

## 8. Other Activities Achievements

8-1. Capacity Assessment

8-2. Building Inventory

8-3. Test Work

8-4. Structural Experiment

8-5. RMG Project

8-6. Domestic Training Materials and Syllabus

8-7. Handout of Work Shop/ Seminar

8-8. Publicity materials

## 8-1. Capacity Assessment

1<sup>st</sup> year

1 st year (Base line Data)

Individual Aspect (Working Team 1)

**Name of the C/P and his/her position : Mr. Ali Newaj, Team Leader of Component 1 (Executive Engineer, Survey Division, Project Circle 1)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The ‘Work Item Number’ corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience in GIS operation. We do not have any GIS software. Training is needed.	1	1
1.1.2	6,18,32	Vulnerability assessment of the existing buildings	No	Not at all. Training is needed	1	1
1.1.3	8	Further study of BNBC for vulnerability assessment	No	Not at all. Study of BNBC is needed	1	1
1.1.4	8	Further study of foreign codes for vulnerability assessment	No	Not at all. Study of BNBC is need	1	1
1.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Not at all. Training is needed.	1	1
1.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Not at all. Training is needed.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Studied about the section of building construction in BNBC. Study is needed for improving knowledge.	2	2
1.2.2	9	Further study of current methods for designing (planning) for new buildings against retrofitting the existing buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
1.2.3	9	Further study of current methods for designing (planning ) for retrofitting the existing buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
1.2.4	10.1	Development of new method for designing the public buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
1.2.5	10.1	Development of new method for retrofitting the public buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
1.2.6	11, 19, 21	Preparation of design manual for designing the public buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
1.2.7	11, 19, 21	Preparation of design manual for retrofitting the public buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1

1.2.8	20,34	Preparation of design documents including drawing for retrofitting the existing buildings against natural disasters	No	Not at all. Study is needed for improving knowledge	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.3.1	10-1,10-2	Material test such as strength test of concrete core	Yes	Have experience in concrete slump test. More training is needed	2	2
1.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Not at all. Never prepared any manuals. Training is needed	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.4.1	12	Further study of quality assurance system	Yes	Not know about ACI. Through working. Material test. Concrete test. More study is needed	3	3
1.4.2	12.24	Preparation of checklist for ensuring quality assurance during designing (planning ) for new building	No	Have not seen such checklist. More study is needed	1	1
1.4.3	12, 24	Preparation of checklist for ensuring quality assurance during construction for new building	No	Have not seen such checklist. More study is needed	1	1
1.4.4	12,24	Preparation of checklist for ensuring quality assurance during designing (planning) for retrofitting	No	Have not seen such checklist. More study is needed	1	1
1.4.5	12,24	Preparation of checklist for ensuring quality assurance during the retrofitting work	No	Have not seen such checklist. More study is needed	1	1
1.4.6	24	Guidelines for ensuring quality assurance during construction for new building	Yes	Have experience in construction management. Have tried to prepare such guidelines to some extent. Further training is needed	2	2
1.4.7	24	Guidelines for ensuring quality assurance during construction for new building	Yes	Have experience in construction management. Have tried to prepare such guidelines to some extent. Further training is needed	2	2
1.4.8	24	Guidelines for ensuring quality assurance during designing (planning) for retrofitting	No	No experience in preparation of such manuals. Training is needed	1	1
1.4.9	24	Guidelines for ensuring quality assurance during retrofitting work.	No	No experience in preparation of such manuals. Training is needed	1	1
1.4.10	25-1	Preparation of materials for the training on quality assurance	No	Never. Training is needed	1	1
1.4.11	25-1, 25-2,	Monitoring of the retrofitting works done in order to assure	No	Never. Training is needed	1	1

	35-1, 35-2	quality				
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### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.5.1	13,27,37,41,43	Conduct of seminar / workshop for the PWD works to be disseminated to other relevant organizations.	No	No Experience	1	1
1.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
1.5.3	26,36,40	Lecture on vulnerability assessment of the existing building	No	No Experience	1	1
1.5.4	26,36,40	Lecture on designing (planning ) of the new public buildings against natural disasters	No	No Experience	1	1
1.5.5	26,36,40	Lecture on designing (planning ) of the existing public buildings against natural disasters	No	No Experience	1	1
1.5.6	26,36,40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “ Assessment Aspects on 1 to 5 Scale for Format 2 “ when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
1.6.1	I am (this C/P is ) willing to prepare/hold the project-related meetings such as JCC, seminar/workshop.	Yes	After gathering experience I am able to do this to some extent.	4	4
1.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	After gathering experience I am able to do this to some extent.	4	4
1.6.3	I am (this C/P is ) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is ) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	After gathering experience I am able to do this to some extent.	4	4
1.6.4	I am (this C/P is) willing to use experience of C/P training in Japan” for daily work.	Yes	After gathering experience I am able to do this to some extent.	4	4





**Name of the C/P and his/her position: Mr. Md. Akhsanul Islam. Component 1 (Executive Engineer, Design Division II Design Circle -1, appointed in January 2011, was originally the staff at Bangladesh Water Development Board: BWDB**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	Have used Arcview 3.2 for irrigation work. Have used for irrigation works when in BWDB. No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	NO experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	NO experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	NO experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	NO experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	NO experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Self-study. Have some idea on EQ resistant building in BNBC. Need more training and guidance	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Self-study. Need more training and guidance	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need more training and guidance	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience. Need more training and guidance	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need more training and guidance	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience. Need more training and guidance	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need more training and guidance	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need more training and guidance	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Not much experience. Need more training and guidance	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Need more training and guidance	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1

I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1
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#### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Have other duties	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Much concern. If I can work for this activity with someone, I do.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Much concern, with someone	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position : Ms. Humaera Binte Reza Memberm, Component 1 (working under Executive Engineer, Survey Division, Project Circle 1, PWD. Current Division is the PWD’s Electrical/Mechanical Planning & Design Division 2**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The ‘Work Item Number’ corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience in GIS. Training is needed	1	1
1.1.2	6,18,32	Vulnerability assessment of the existing buildings	No	No experience. Training is needed	1	1
1.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience. Study of BNBC is needed	1	1
1.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience. Study of BNBC is need	1	1
1.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience. Training is needed	1	1
1.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience. Training is needed	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.2	9	Further study of current methods for designing (planning) for new buildings against retrofitting the existing buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.3	9	Further study of current methods for designing (planning ) for retrofitting the existing buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.4	10.1	Development of new method for designing the public buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.5	10.1	Development of new method for retrofitting the public buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.6	11, 19, 21	Preparation of design manual for designing the public buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
1.2.7	11, 19, 21	Preparation of design manual for retrofitting the public buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1

1.2.8	20,34	Preparation of design documents including drawing for retrofitting the existing buildings against natural disasters	No	No experience. Study is needed for improving knowledge	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.3.1	10-1,10-2	Material test such as strength test of concrete core	No	No experience. Training is needed	1	1
1.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Training is needed	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.4.1	12	Further study of quality assurance system	No	No experience. More study is needed	1	1
1.4.2	12,24	Preparation of checklist for ensuring quality assurance during designing (planning ) for new building	No	No experience. More study is needed	1	1
1.4.3	12, 24	Preparation of checklist for ensuring quality assurance during construction for new building	No	No experience. More study is needed	1	1
1.4.4	12,24	Preparation of checklist for ensuring quality assurance during designing (planning) for retrofitting	No	No experience. More study is needed	1	1
1.4.5	12,24	Preparation of checklist for ensuring quality assurance during the retrofitting work	No	No experience. More study is needed	1	1
1.4.6	24	Guidelines for ensuring quality assurance during construction for new building	No	No experience. More study is needed	1	1
1.4.7	24	Guidelines for ensuring quality assurance during construction for new building	No	No experience. More study is needed	1	1
1.4.8	24	Guidelines for ensuring quality assurance during designing (planning) for retrofitting	No	No experience. More study is needed	1	1
1.4.9	24	Guidelines for ensuring quality assurance during retrofitting work.	No	No experience. More study is needed	1	1
1.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience. More study is needed	1	1
1.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience. More study is needed	1	1

### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
1.5.1	13,27,37,41,43	Conduct of seminar / workshop for the PWD works to be disseminated to other relevant organizations.	No	No experience. More study is needed	1	1
1.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience. More study is needed	1	1
1.5.3	26,36,40	Lecture on vulnerability assessment of the existing building	No	No experience. More study is needed	1	1
1.5.4	26,36,40	Lecture on designing (planning ) of the new public buildings against natural disasters	No	No experience. More study is needed	1	1
1.5.5	26,36,40	Lecture on designing (planning ) of the existing public buildings against natural disasters	No	No experience. More study is needed	1	1
1.5.6	26,36,40	Lecture on retrofitting work of the existing public buildings	No	No experience. More study is needed	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
1.6.1	I am (this C/P is ) willing to prepare/hold the project-related meetings such as JCC, seminar/workshop.	Yes	After gathering experience I am able to do this	4	4
1.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	After gathering experience I am able to do this	4	4
1.6.3	I am (this C/P is ) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is ) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	After gathering experience I am able to do this	4	4
1.6.4	I am (this C/P is) willing to use experience of C/P training in Japan” for daily work.	Yes	After gathering experience I am able to do this	4	4

**Name of the C/P and his/her position: MD. Shanoor Alam Khan, WT-1, Executive Engineer, Survey Division, Project Circle I**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

1) The PDM Output 1-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	yes	Have not practically used. Have used Arcview software.	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	yes	Need more experience	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

2) The PDM Output 2-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	yes	Need more experience.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	yes	Need more experience.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	yes	Involved in preparation of “Design Criteria and Minimum Requirements”	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for	No	No experience	1	1

		retrofitting the existing buildings against natural disasters				
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	No experience	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Conducted the seminar on construction management	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Involved in the preparation of training on subsoil investigation	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	

1 st year (Base line Data)

Individual Aspect (Working Team 2)

**Name of the C/P and his/her position:** Md. Rafiqul Islam, Executive Engineer, PWD Design Division–3 & Team Leader, Component-2, Executive Engineer, Design Division –III, Design Circle I

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no scope of vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	No experience. Studied about FEMA-356	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Have studied about EQ-matter: i.e. Retrofitting, Seismic Evaluation, and FEMA-356 (ASCE)-related matter. But, lack in practicality. Therefore, it was rated 3	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more practical experience	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Same as I.2.1. Lack in practicality.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for	No	No experience.	1	1

		retrofitting the existing buildings against natural disasters				
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Just once or twice	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Self-study.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared individually.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have prepared presentation materials in power point presentation software about 10 times	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Have given lectures about 10 times in total.	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Have given lectures about 10 times in total.	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Not very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Very much	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Not very much	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: ANUP KUMAR HALDER (Team member, Component-2), Design Division-V, Design Circle-II, became a staff at PWD in 2005, worked for a developer company (private company) for three years and some experience in site management**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	A little bit of experience in Arcview operation	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assessed three buildings. Not enough experience	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Very little	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied about FEMA code to some extent	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	As shown in I.1.4	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Attended some conferences and training courses at IEB, BUET three times	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Attended some conferences and training courses at IEB, BUET three times	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have not done all kinds of tests. Lack in practicality	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have worked as site manager/engineer before becoming the PWD staff.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have worked as site manager/engineer before becoming the PWD staff.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Assisted lecturer in preparation of training on foundation, liquefaction.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Same as I.5.2	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Very much	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Particularly, very much	5	5



**Name of the C/P and his/her position: MD. EMDADUL HUQ (Team member, Component-2), Assistant Engineer, Design Division-1, Design Circle I**

(\*absent in the PWD office in June 2011 due to training)

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box.

The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	2	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	2	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes		2	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes		3	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes		2	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1

I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes		3	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience.	2	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	2	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	2	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	3	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	3	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	2	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	2	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	2	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	2	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	3	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	3	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: MD. MOMINUR RAHMAN, TEAM MEMBER, COMPONENT-2, SUB-DIVISIONAL ENGINEER, Sub-Division III, Design Circle-I, became the PWD staff in 2003, concern in foundation and structural design**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	No	No experience.	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	No experience.	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings	No	No experience.	1	1

		against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Concrete core test, not much experience	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Quality of construction, material	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Informally, have prepared original checklists on liquefaction, building of strong column with beam	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: MD. JAHIDUL ISLAM KHAN (Nick Name-JAHID), ASSISTANT ENGINEER, PWD DESIGN DIVISION-II,**

**Design Circle-II**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	There is no scope to do such in our department.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Not done before but studied the guide line of FEMA.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Not such guide line in the BNBC	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied codes, literature and tended in trainings.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	There was no scope	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	There was no scope	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	BNBC, ACI, ATC	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters.	Yes	BNBC, ACI	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have knowledge from Training and Literature but no practical experience.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Do not have experience at all	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No	No experience.	1	1

		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Directly did not do but seen the process to perform.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Invited site engineer from IDB in 2001. Have experience to some extent. Need much advice	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have used checklists. IDB assisted in preparation of check sheet form in 2001.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have used checklists. IDB assisted in preparation of check sheet form in 2001.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

1 st year (Base line Data)

Individual Aspect (Working Team 3)

**Name of the C/P and his/her position : Mr. Sohel Rahman (WT3 Team Lear on 20 March 2011), Executive Engineer, Design Division IV, Design Circle II**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No provision in BNBC regarding of vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some experience.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	For new buildings	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have done once. A few experience at the time of vertical extension of an existing building	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience.	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared original checklists. No records.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have prepared original checklists. No records.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Not much experience. Except budget plan	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Have instructed to 30 new engineers in PWD. Have instructed as lecturer about eight times.	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	If I get the experience	3	3

**Name of the C/P and his/her position: MD. SHAFIUL ISLAM, TEAM MEMBER, Component-3 (Assistant for Superintending Eng. Design Circle I, joined in PWD in 2008, was the staff at Bangladesh Water Development Board (BWDB)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Need more experience.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Self-study. BNBC does not cover vulnerability assessment.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	FEMA codes	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Have attended some seminars organized by ESCB.	3	
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC guidelines	2	
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have tried. But, have not produced outputs.	2	
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No	No experience.	1	

		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience.	3	
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Construction phase	2	
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Indirectly involved.	1	
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Indirectly involved.	1	
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Indirectly involved.	2	
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some seminars on technical seminars, interlocution seminar for freshman, etc.	2	
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Preparation of the seminars on technical seminars, interlocution seminar for freshman, etc.	2	
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Some experiences	2	
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Some experiences	2	
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		3	
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	



**Name of the C/P and his/her position: MD. SHAMSUL ISLAM, MEMBER, TEAM-3, Design Division IV Design Circle II (entered PWD in Nov. 2008, have worked for a private contractor as civil engineer (site engineer) for 6 months**

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	NO	No experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	NO	No experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES	Read FEMA guidelines (Rapid Visual Screening part)	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO	No experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	YES	Beside BNBC, ACI, IBC, AISC, FEMA guidelines are studied for structural design of new buildings only.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	FEMA guidelines are studied for structural design of new buildings.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	NO	No experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings	NO	No experience	1	1

		against natural disasters				
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	<i>YES</i>	<i>Done during academic study only</i>	<i>2</i>	<i>2</i>
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.10	25-1	Preparation of materials for the training on quality assurance	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	<i>YES</i>		<i>2</i>	<i>2</i>
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	<i>YES</i>		<i>3</i>	<i>3</i>
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	<i>YES</i>		<i>3</i>	<i>3</i>
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	<i>YES</i>		<i>4</i>	<i>4</i>

**Name of the C/P and his/her position: ZAHID HASAN KHAN, Team Member, Component-3, Assistant Engineer, Design Division V, Design Circle II (joined in PWD in Dec. 2011, was the staff at Bangladesh Export Processing Zones Authority (BEPZA))**

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box.

The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	NO experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	NO experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	BNBC does not cover vulnerability assessment. Self-study	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	NO experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	NO experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	NO experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Just joined in PWD, Dec. 2010. Need more training and guidance	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Need more training and guidance	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need more training and guidance	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need more training and guidance	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need more training and guidance	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Several times. Need more training and guidance	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need more training and guidance	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Not much experience. Need more training and guidance	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

1 st year (Base line Data)

Individual Aspect (Working Team 4)

**Name of the C/P and his/her position: Mr. Ziaul Hafiz (WT4 Team Leader) on 20 March 2011 (Superintending Engineer, Monitoring & Audit, 26 years experience in PWD)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience. No provision in BNBC	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	No experience.	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	No experience.	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No	No experience.	1	1



		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	No experience.	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience.	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	If I am selected to get training in Japan	3	3

**Name of the C/P and his/her position: K.M Mostafa Hasan Team Member, Component 4, Monitoring & Audit Circle (since October 2009, have 10 years experience at Design Circle I)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Have gone through ATC 40 and other related on line literature.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Before joining Audit Subdivision, I worked for nearly 10 years as sub-design engineer, PWD Design Circle I. I had to study prevailing methods for designing new buildings. Still I am very much eager to take further study on methods for designing new buildings.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have seen the procedure for testing concrete strength in the laboratory.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	I have studied Q/A through ATC 40. I want to update my knowledge regarding Q/A.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Usually BNBC is followed for Q/A at design phase.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	“Minimum Design Criteria and Minimum Requirements” of PWD and book of Code of Practice of PWD are used as guidelines at construction phase.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1

I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

#### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: Kazi Md. Firoze Hassan Team Member, Component 4 (Executive Engineer, PECU Division, PECU Circle)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	No	No experience.	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	No experience.	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1

I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have seen the procedure for testing	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have studied about QM in the construction phase	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1

I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1
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**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	As a course manager of PWD training academy, I engaged in preparation of training curriculum, budgeting & schedule, etc.	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5



**Name of the C/P and his/her position: ABDULLAH MOHAMMOD ZUBAIR ; SUB-DIVISIONAL ENGINEER ; DESIGN DIVISION-5, Design Circle II**

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	YES	A few buildings (by observation only)	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	NO	No experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	NO	No experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO	No experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	NO	No experience	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	Considering soil erosion beside the river, filling of ditch area, earth quack, salinity problem etc in a very limited knowledge.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	NO	No experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO	No experience	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	NO	No experience	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience to test Re-bar and concrete from laboratory. Not much experience.	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	NO	No experience	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	YES	Through Online articles, and sharing from others experience.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	YES	In designing phase, earthquake, wind effect and such type other factors considered.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	YES	In construction phase, earthquake detailing, material testing, pile load test and such type other factors considered.	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	NO	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	As a guideline BNBC is used. Have not directly involved in preparation of such guidelines.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	NO	As a guideline "BOOK OF SPECIFICATION AND CODE OF PRACTICE-PWD" is used. Have not directly involved in preparation of such guidelines.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO	No experience.	1	1
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	NO	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	NO	No experience.	1	1

I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	NO	No experience.	1	1
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### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	NO	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	NO	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	NO	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	YES		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	YES		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES		4	4

1 st year (Base line Data)

Individual Aspect (Working Team 5)

**Name of the C/P and his/her position: Sardar Mainul Islam, Team Leader, Unit -5 (Deputy Director, PWD Training Academy, Resource Division)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Little bit of experience.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Attended about two related-seminars.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Attended about two related-seminars.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experience	3	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Self-study, and have participated in about symposium/seminars.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared some checklist.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have prepared some checklist.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need more experience.	3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have conducted the trainings on technical matters (soil testing, quality assurance, etc.)	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Need more experience.	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: Survey items from the “**awareness**” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: Md. Morshed Hossain, Team Member, Unit -5, Sub-divisional Engineer, PWD Resource Division, PECU Circle (7 years experience as a site engineer in PWD)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no scope of vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Studied not much.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Studied not much.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1



I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Many times. Have experience as site manager.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Much interest in quality assurance system. Want to introduce better QA system.	4	
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Some experience.	3	
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience.	1	
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience.	1	
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Partly related to this work.	2	

I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	
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**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Related to conduct of about eleven seminars, need more experience.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Related to preparation for about eleven seminars, need more experience.	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

**Name of the C/P and his/her position:** MOHAMMAD ABUL KALAM AZAD, Sub-Divisional Engineer (Civil), PWD Design Division-VI, Design Circle II, Dhaka (since June 2005, has experience as campus engineer at Bangladesh National University, worked at the private sector (contractor) from 2002 to 2003.)

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	Studied a 3.0 Credit theory course on GIS	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	NO experience, Need advice	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Studied on design point of view	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	NO experience, Need advice	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	NO experience, Need advice	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	NO experience, Need advice	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Participated a 7 ( seven) day long Training course on " Earthquake Resistant Design & Retrofitting of Buildings.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Need advice	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need advice	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need advice	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need advice	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Has done when I worked at a contractor. Need more advice	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need advice	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have joined in some seminars sometimes at IDB. Need more advice	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need more advice	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need more advice	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need advice	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Need advice	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Need more advice	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Need advice	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need advice	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Need advice	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Need advice	1	1
I.4.11	25-1, 25-2,	Monitoring of the retrofitting works done in order to assure quality	No	Need advice	1	1

35-1, 35-2				
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**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	Need advice	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	Need advice	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need advice	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	yes	Have done in-house trainings. Need advice	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need advice	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Need advice	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

1 st year (Base line Data)

Organizational Aspect

## Organizational Aspect

Code	Indicator	Survey Result			
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey	
<b>PWD's management</b>					
O.1	PWD's staff	1) Number of the Class 1 staff 2) Ratio of the Class 1 staff to all PWD staff 3) Number of staff who is engaged in the Project-related activities (i.vulnerability assessment of the existing building using GIS, ii. designing (planning) for new buildings against natural disasters, iii. designing (planning) for retrofitting the existing buildings against natural disasters, iv. supervising/ management of the retrofitting work, v. quality assurance, vi. training management)	1) 667 Persons 2) 0.11apx. 3) i. Nil ii. 26 persons (Engineers of different level) iii. Nil iv. Nil v. All Executive Engineers posted in field divisions are primarily responsible for quality assurance. vi. Nil (Presently 3 part time officers are on additional charge)		
O.2	Coordination	Does PWD coordinate with other related organizations such as MHPW, ERD, DMB, MoFDM, DoA, BUET, BRI, HBRI, other donors in order to achieve the PDM's Overall Goal?	Yes. Initiative has been taken for this co-ordination with almost all the related organizations.		
O.3	Concern of the PWD's top leaders in the Project activities	1) Concern in retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. 2) Concern in issuance of the official license to the engineers completing training programme introduced by the Project 3) Concern in the incorporation of the manuals prepared through the Project into the future edition of BNBC 4) Future prospect of the retrofitting works being financed by the Bangladesh side	1) Yes. PWD is aware and concerned in retrofitting of public buildings. A 4-year capacity building project has been taken up with JICA Funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM. 2) Not much. But, PWD does not have authority to issue such license. PWD can issue certificates to the participants of such trainings, if offered. Final decision maker on this matter is RAJUK, MoHPW. 3) Yes. PWD shall try to disseminate the prepared manuals to concerned professionals and incorporate the provisions of the manuals in the future-edition of BNBC. Final decision maker on this matter is HBRI. 4) Yes. PWD shall prepare a roadmap for retrofitting of important vulnerable government buildings and submit it to the government for funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM.		

<b>PWD's Financial Status</b>					
O.4	Financial Status	1) PWD's income (i. incomes from the government or budget allocated by the government, ii. business income if any, etc.) 2) PWD's expenditure (i. subcontracting cost, if any, ii. expenditure for retrofitting works, etc.)	1) i. Budget allocated by the Government (For FY 2010- 2011)- Tk.15,540.00 (million) ii. Nil. 2) i. Expenditure-(For FY-2010- 2011)- Tk.15,540.00 (million) i) Nil. ii) Nil		
<b>PWD's Equipment and Maintenance</b>					
O.5	Equipment and Maintenance	1) Vehicles, equipment necessary for material test, etc. How much equipment does PWD own? 2) Status of maintenance of the above equipment	1) No vehicle for carrying out testing operation is available. 15 items of equipments for material testing are in the stock of PWD testing laboratory. 2) Have maintenance record.		
<b>PWD's Intellectual Resource</b>					
O.6	Intellectual Resource	1) Volume of building inventory data 2) Vulnerability assessment 3) Roadmap for retrofitting 4) Design manual for designing the building against natural disasters 5) Design manual for retrofitting the building against natural disasters 6) Design documents for retrofitting 7) Manual for retrofitting works 8) Checklist for quality assurance 9) Judgment guidelines for quality assurance 10) Training materials on quality assurance 11) Monitoring database for ensuring quality 12) Training materials for the Project activities to be disseminated to other engineers	1) Not yet undertaken 2) Not yet undertaken 3) Not yet undertaken 4) BNBC/ACI/IBC is followed 5) Not yet undertaken 6) Nil 7) Nil 8) Nil 9) Nil 10) Yes but not adequate 11) Not adequate 12) Nil		



1 st year (Base line Data)

Institutional Aspect

### Institutional Aspect

Code	Indicator	Survey Result			
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey	
<b>Legal system at National Level</b>					
IS.1	How does the related laws/act or national plan/policy state about <u>retrofitting</u> ?	1) Disaster Management Act (DMA) 2) National Plan for Disaster Management (NPDM) (2008-2015) 3) Standing Order on Disaster (SOD)	1) Not yet promulgated 2) In 'Action Agenda for 2010-2015', which is a part of (NPDM), the articles related to the Project are as follows: Art 12. Action Agenda: -5.3.1.4 Use of earthquake risk maps in urban planning and development -5.3.1.5 Update and ensure compliance of BNBC -5.3.1.6 Review and revise building safety codes on evacuation of people with emphasis on persons with disabilities -5.3.1.7 Develop and implement retrofitting programs for vulnerable critical infrastructure. (Lead agency: MoHPW) 3) Art.4.2.2.2, 4.2.2.6, 4.2.3.2, 4.2.8, 4.2.13.1, 4.2.13.2		
<b>Institution</b>					
IS.2	Statements of the PDM's Overall Goal	1) Is any institution on retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. established? 2) Is any institution on the issuance of license to the engineers completing training programme introduced by the Project established? 3) Are any manuals prepared through the Project incorporated into BNBC?	No No No		
IS.3	Public awareness on retrofitting	Is any institution on promotion of public awareness activities on retrofitting of the existing buildings built?	No		

2<sup>nd</sup> year

2<sup>nd</sup> year

Individual Aspect (Working Team 1)

**Name of the C/P and his/her position: Mr. Ali Newaz Ahmed, Team Leader of Component. 1 (executive Engineer, Survey Division, Project Circle-1)**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	More Training is needed about GIS	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	More Training needed	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	More Training needed	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	More Training needed	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	More Training needed	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	More Training needed	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	More Training needed	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	More Training needed	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	More Training needed	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	More Training needed	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	More Training needed. Have learned new method through CNCRP	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	More Training needed	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	More Training needed	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	More Training needed	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	More Training needed, Have new experience through CNCRP.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	More Training needed	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	More Training needed	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	More Training needed	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	More Training needed	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	More Training needed	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	More Training needed	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	More Training needed	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have experience in construction management. Have tried to prepare such guidelines to some extent.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	More Training needed	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	More Training needed	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	More Training needed	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	More Training needed	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No Experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am gathering few experience & I am able to do it	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am gathering few experience & I am able to do it	3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am gathering few experience & I am able to do it	3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I am gathering few experience & I am able to do it	3	3

**Name of the C/P and his/her position: Mr. Md. Akhsanul Islam, Assistant Engineer, Design Div 2, PWD**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Learned Arc GIS 10 under CNCRP. Small scale inventory is prepared	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Learning from lectures of CNCRP. Need more guidance	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Learning from lectures of CNCRP. Further study itself was not implemented.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Learning from lectures of CNCRP. Further study itself was not implemented.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	Yes	Learning from lectures of CNCRP. Need more guidance	2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some experience. Need more study and guidance	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have some experience. Need more study and guidance	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience. Need more study and guidance	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1



I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Learned from CNCRP. Need more guidance.	2	2

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Learned from CNCRP. Need more guidance.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Little experience. Need more study.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Little experience. Need more study.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some experience trough workshops of CNCRP	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have some experience trough CNCRP	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I now work for seminars, meetings and workshops of CNCRP	5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Much concerned.	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Concerned. I am willing to work in this field.	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I got training in Japan and sharing my experience with others	5	5

**Name of the C/P and his/her position: Ms. Humaera Binte Reza Memberm, Component 1 (working under Executive Engineer, Survey Division, Project Circle 1, PWD. Current Division is the PWD's Electrical/Mechanical Planning & Design Division 2**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Learned Arc GIS 10 from training under CNCRP. Small scale inventory is prepared	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	Small learning from lectures . Need more guidance	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Small learning from lectures . Need more guidance	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Small learning from lectures . Need more guidance	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience at all	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Small learning from lectures . Need more guidance	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	Need study and proper guidance.	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Need study and proper guidance	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience at all	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience at all	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience at all	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience at all	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience at all	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience at all	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	No experience	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some experience through two workshops of CNCRP	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Much concerned about this issue.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Much concerned about this issue.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Much concerned about this issue.	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Have’nt get training in JAPAN Yet. After getting experience I am able to do this	4	4

**Name of the C/P and his/her position: Rafia Begum, Sub-Divisional Engineer, PWD E/M Planning and design Circle & Team Member, Working Team 1 of CNCRP project**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	Since don't know GIS, Training is required	1	
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience, Training is required	1	
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience, study of BNBC regarding vulnerability assessment is required	1	
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience, study of Foreign codes for vulnerability assessment is required	1	
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Have no experience, training is required	1	
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Have no experience, training is required	1	

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	Study/training is required.	1	
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Study/training is required	1	
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Study/training is required	1	
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Study/training is required	1	
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No	Study/training is required	1	

		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Study/training is required	1	

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	Training is required	1	
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Training is required	1	

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Study is required	1	
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Study is required	1	
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Study is required	1	
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Study is required	1	
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Study is required	1	

### 5) The PDM Output 5-related items

Code	Work	Assessment Item	Experience	Comments	Rating
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	Item No.		(Yes or No)		C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	Study is required	1	
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	Study is required	1	
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Study is required	1	
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Study is required	1	
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Study is required	1	
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Study is required	1	

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	yes	After having experience, I will be able to do.	4	
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	yes	After having experience, I will be able to do.	4	
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	yes	After having experience, I will be able to do.	4	
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	yes	After having experience, I will be able to do.	4	



**Name of the C/P and his/her position: Muhammad Mostafijur Rahman, Sub-Divisional Engineer, Team Member, WT-1.**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	ArcGIS 10 has been learned and process of Building Inventory is going on with the software.	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Learned something from lectures, seminars and workshop of CNCRP. Need more guidance.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience. Need training and guidance.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience. Need training and guidance.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience. Need training and guidance.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience. Need training and guidance.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need training and guidance.	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Need training and guidance.	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No experience. Need training and guidance.	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience. Need training and guidance.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience. Need training and guidance.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some knowledge by attending lectures, seminars, workshop under CNCRP.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am involved with the seminars, workshops of CNCRP	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am concerned to prepare the project report.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am willing to promote the awareness program.	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I got training in Japan and I am willing to use the experience.	4	4

2<sup>nd</sup> year

Individual Aspect (Working Team 2)

**Name of the C/P and his/her position:** Md. Rafiqul Islam, Executive Engineer, PWD Design Division-3 & Team Leader, Component-2, Executive Engineer, Design Division –III, Design Circle I

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Some experience.	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Some experience on Japanese standard and ASCE	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provisions for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need more study and exercise	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Some experience	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs enough exercise for confidence.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more experience.	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs enough exercise for confidence.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.8	20, 34	Preparation of design documents including drawing for	Yes	Some experience	2	2

		retrofitting the existing buildings against natural disasters				
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience. Need further experience.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience	2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Self study	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Some experience	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Some experience	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Some experience	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Some experience	3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Some experience	3	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Not very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Very much	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: ANUP KUMAR HALDER (Team member, Component-2), Design Division-V, Design Circle-II, became a staff at PWD in 2005, worked for a developer company (private company) for three years and some experience in site management**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Learnt method by lectures	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assessed using Japanese standard	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Have learned methods by lectures and training courses	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied ASCE-31	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Checked draft manual	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	As shown in 1.1.4	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have learned methods by lectures and training courses.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have learned methods by lectures and training courses.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have lectures	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Checked draft manual	2	2



I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Through test work and lectures	2	2
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Done two core test in the test work	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Checked draft manual	2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Test work and previous working experience before joining PWD.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Test work and previous working experience before joining PWD.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Test work and lecture	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Test work and lecture	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Test work and lecture	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Test work and lecture	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Participated two seminars. Organized by CNCRP	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes		2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes		2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes		3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes		2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes		2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: MD. MOMINUR RAHMAN, TEAM MEMBER, COMPONENT-2, SUB-DIVISIONAL ENGINEER**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Some experience on Japanese standard and ASCE	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provisions for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	More study is needed	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Some experience	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs more exercise	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more study	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs more exercise	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Some experience	2	2

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Need more experience	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience	2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Basic knowledge by CNCRP	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Some experience	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Some experience	3	3
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Some experience	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Some experience	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	very much	5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	very much	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	very much	5	5

**Name of the C/P and his/her position: Md. Emdadul Huq, Member, Working Team-2 (Assistant Engineer, PWD Design Division-I)**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No Experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Assessing 1 building under this project	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Do not have much in BNBC about vulnerability assessment	3	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	ASCE-31	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Working with JET team(Assessment Part)	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes		3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	From JET training	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	From JET training	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes		2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Getting knowledge from working with JET	3	3

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	We learnt from JET and also practiced our self	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No		1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No		1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No		1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes		3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes		3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes		2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have some experience(Working With JET for Siesmic assessment Part)	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes		2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5



**Name of the C/P and his/her position: Md. Jahidul Islam Khan, Member, Working Team-2 (Assistant Engineer, PWD Design Division-II)**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Got knowledge from JET training session	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Assessing 1 building under this project	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Do not have much about vulnerability assessment	3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Have experience to some extent. Need much advice	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Working with JET team on manual preparation	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Did not done before	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes		3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes		3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	From JET training session	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes		2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes		2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Getting knowledge from working wit JET	2	2

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	We learnt from JET and also practiced our self	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes		2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes		3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes		3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes		2	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No		1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes		2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have prepared for this project (New Design Part)	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes		2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: MONIRUZZAMAN MONI, MEMBER, Assistant Engineer, Design Div. 3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO	Have no experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	YES	Have some experience but need practical implementation.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	NO	BNBC has no guideline for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES	Have some experience but need practical execution.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	YES	Have some experience.	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO	Have no experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	YES	Have a few experiences.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	Have a few experiences.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	YES	Have a few experiences.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO	Have no experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	YES	Have a few experiences.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	YES	Have some experience.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	YES	Have some experience.	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	YES	Have some experience.	2	2

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	YES	Performed core cutting and also tested the core	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	YES	Have some experience.	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	NO	Have no experience	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	Have no experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	NO	Have no experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO	Have no experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	NO	Have no experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	YES	Have some experience.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	YES	Have some experience.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES	Have some experience.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	YES	Have some experience.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	NO	Have no experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES	Have some experience.	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	YES	Have some experience.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	NO	Have no experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO	Have no experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO	Have no experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO	Have no experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	NO	Have no experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	YES	I am interested	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	YES	I am interested	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES	I am interested	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES	I am interested	4	4

2<sup>nd</sup> year

Individual Aspect (Working Team 3)

**Name of the C/P and his/her position:** MD. SOHEL RAHMAN, TEAM LEADER, COMPONENT-3

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No provision in BNBC regarding vulnerability assessment.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some experience.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	For new buildings	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some experience.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience.	1	1



## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experience.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Preparation of Guideline for retrofitting works is started (Just beginning) by the component 3	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Have some experience.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared checklists. No records.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have prepared checklists. No records.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have prepared checklists.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have some experience.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No experience.	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Not much experience. Except budget plan.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Have instructed to 30 new engineers in PWD. Have instructed as lecturer about eight times.	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Have experience to describe the “Test Work” of CNCRP.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

**Name of the C/P and his/her position: MD. SHAFIUL ISLAM, ASSISTANT ENGINEER, PWD DESIGN CIRCLE -1, MEMBER, CNCRP WORKING TEAM-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have some experience, need more advice	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have some experience, need more advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Self-study, BNBC does not cover vulnerability assessment	3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have Attended some seminar organized by ESCB, JICA	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Need More Experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Need More Experience	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience and need more advice	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Having some knowledge and need more advice	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Having some knowledge, Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Need improvement	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some seminar on technical seminar	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Need Improvement and training	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Need Improvement and training	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Need Improvement and training	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position:** *MD. SHAMSUL ISLAM, MEMBER, TEAM-3, Design Division IV Design Circle II*

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	NO	No experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	NO	No experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES	Read FEMA, ASCE guidelines for seismic retrofitting	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO	No experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	YES	Studied ACI code, IBC code, AISC, FEMA, ATC for structural design of new buildings and also to find out suitable retrofit methods for Bangladesh	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	ACI, IBC codes.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	YES	Studied JASS guideline and FEMA guidelines	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO	No experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	NO	No experience	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	YES	Done during academic study	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	YES	Reading JASS guidelines , FEMA guidelines for preparation of manual for retrofitting works	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system			1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	NO	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES	Experience gained through test work of the project CNCRP	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	YES	Experience gained through test work of the project CNCRP	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	NO	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES	Experience gained through test work of the project CNCRP	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	YES	Experience gained through test work of the project CNCRP	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	NO	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES	Experience gained through test work of the project CNCRP	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	YES	<i>A little experience</i>	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	NO	<i>No experience</i>	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO	<i>No experience</i>	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO	<i>No experience</i>	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO	<i>No experience</i>	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	YES	<i>A little experience</i>	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	YES		2	2
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	YES		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES		3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES		4	4



**Name of the C/P and his/her position: Zahid Hasan Khan, Assistant Engineer, PWD Design Division-5, Team Member, CNCRP Working Team-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	Need much advice & Training	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have attended lectures. Need much advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	BNBC does not cover vulnerability assessment. Self Study	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need much advice	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Attended seminars & classes, studied codes and lecture materials provided by JET	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience, but still need more advice & guidance	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need Experience	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Need improvement	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need improvement	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Need improvement	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Need improvement	3	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	Need Experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have experience to some extent. Need much advice	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Need Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Need Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: Nur-E-Kawonine, Assistant Engineer, PWD Design Division-1, Team Member, CNCRP Working Team-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have experience to some extent. Need much advice	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have attended lectures. Need much advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC does not cover vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Attended seminars, studied codes and lecture materials provided by JET	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience, but still need more advice	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need Experience	1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Need improvement	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need improvement	2	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Need improvement	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Need improvement	3	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	Need Experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have experience to some extent. Need much advice	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Need Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Need Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: A.S.M. SHAHRIAR JAHAN, ASSISTANT ENGINEER , PWD DESIGN DIVISION -1**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No Experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No Experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No Experience	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No Experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Self study. Have some idea on earthquake resistant building from BNBC. Need more training and guidance.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Self study. Need more training and guidance	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No Experience. Need more training and guidance.	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Need more training and guidance	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No Experience. Need more training and guidance.	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No Experience	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No Experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No Experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No Experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No Experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No Experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No Experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No Experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No Experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No Experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No Experience	1	1



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No Experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

2<sup>nd</sup> year

Individual Aspect (Working Team 4)

**Name of the C/P and his/her position: Mr. Ziaul Hafiz (WT4 Team Leader) on 20 March 2011 (Superintending Engineer, Monitoring & Audit, 26 years experience in PWD)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No		1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Familiar with BNBC	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No		1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No		1	1

		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Such test is very Common in field work.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Gained some experience during 1 <sup>st</sup> years activity.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Associated in preparation of Checklis.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Associated in preparation of Checklist	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Familiar with PWD Booklet on design Criteria.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Familiar with PWD Book of specification and code of practice.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Observed different methods of retrofitting works during display at PWD E/M Building, under CNCRP	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No		1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: K.M Mostafa Hasan Team Member, Component 4, Monitoring & Audit Circle (since October 2009, have 10 years experience at Design Circle I)**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have some knowledge how to prepare inventory	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	Have some knowledge how to implement the assessment	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have further study on BNBC, ATC40 and related online articles.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	I worked as Sub-Divisional Engr. in Design Division-2 for almost 10 years and I had to study different design methods for new buildings. I am very much interested to have further study on design methods for new buildings against natural disasters.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Have strong interest.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Retrofitting & retrofitting methods are new here. I have visualized the demonstration work of different retrofitting methods carried out by WT3 and have	1	1

				strong interest in it.		
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have observed the concrete cylinder strength test procedure in the laboratory.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	I have studied online relevant literatures and papers supplied by JET member.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	I am involved in preparation of checklist.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	I am involved in preparation of checklist.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	BNBC is usually followed as guidelines during design phase of new buildings.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Code of Practice & Design criteria Minimum requirements of PWD are followed as guidelines during construction phase.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1

I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1
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### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	I was unofficially involved in the preparation of PWD Training Curriculum.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5



**Name of the C/P and his/her position: Kazi Md. Firoze Hassan, Executive Engineer, PWD PECU Division, Purta Bhaban, Dhaka**

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No		1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No		1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	As a Civil Engineer I had to study different design methods for new buildings. I have the interest to have further study on design methods for new buildings against natural disasters.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	I have strong interest.	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Retrofitting and retrofitting methods are new here. I have strong interest in it.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have observed the concrete cylinder strength test procedure in the laboratory.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No		1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	I am involved in preparation of checklist.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	I am involved in preparation of checklist.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	BNBC is usually followed as guidelines during designing for new buildings.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	PWD Book of Specification and Code of Practice are followed as guidelines during construction phase.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/workshop for the PWD works to be disseminated to other relevant organizations	No		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	As a co-ordinator of PWD Training Academy I am involved in the preparation of PWD Training Curriculum, materials, budget plan and course schedule.	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: ABDULLAH MOHAMMOD ZUBAIR ; SUB-DIVISIONAL ENGINEER ; DESIGN DIVISION-5, PWD**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	YES	by observation only	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	YES	Not in detail.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	NO		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	NO		1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	Considering soil erosion beside the river, filling of ditch area, earth quack, salinity problem etc.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	NO		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	YES	Have some experience with CNCRP	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	YES	Have some experience with CNCRP	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	NO		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	NO		1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	NO	Have experience to test Re-bar and concrete from laboratory.	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	NO		1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	YES	Through Online articles, and sharing from others experience.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	YES	I have the checklist (myself only) for ensuring quality assurance during designing (planning) for new building.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	YES	I can make the checklist for ensuring quality assurance during construction for new building.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	NO		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	YES	As a guideline BNBC is used.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	YES	As a guideline "BOOK OF SPECIFICATION AND CODE OF PRACTICE-PWD" is used	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	NO		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	YES		2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES		2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	NO		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	NO		1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	NO		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	YES		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	YES		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES		4	4

2<sup>nd</sup> year

Individual Aspect (Working Team 5)

**Name of the C/P and his/her position: Sardar Mainul Islam, Executive Engineer, PWD Resource Division and Deputy Director PWD Training Academy, Team Leader, Working Team -5, CNCRP**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	no	no experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	no	no experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	yes	little experience	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	no	no experience	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	no	no experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	no	no experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	yes	attended 2 related seminars	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	yes	attended 2 related seminars related retrofitting	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	no	no experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	no	no experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	no	no experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	no	no experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	no	no experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	no	no experience	1	1



## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	yes	have some experience	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	no	no experience	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	yes	have participates in seminars & training	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	yes	have prepared some check list	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	yes	have prepared some check list	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	no	no experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	no	no experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	no	no experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	no	no experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	no	no experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	no	no experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	yes	no experience	3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	no	no experience	1	1

## 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	yes	have conducted training programs on technical matters, quality control etc	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	yes	need more experience	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	no	no experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	no	no experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	no	no experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	no	no experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	yes		5	5

**Name of the C/P and his/her position: Md. Morshed Hossain, Team Member, Unit – 5 & Sub-divisional Engineer, PWD Resource Division, Dhaka.**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	no	no experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	no	no experience	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	yes	Have a little experience to study BNBC	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	yes	Have a little experience to study ACI Code	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	no experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	no experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	yes	Have participated in two nos related seminars & several related classes in PWD conference room.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	yes	Have participated in two nos related seminars & several related classes in PWD conference room.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	no	no experience	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	no	no experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	no	no experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	no	no experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	no	no experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	no	no experience	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	yes	Have experience on strength test of concrete core	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	no	no experience	1	1

#### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	yes	have participated in seminars & related various trainings	4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	yes	have prepared a check list for ensuring quality assurance	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	yes	have prepared a check list for ensuring quality assurance	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	no	no experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	no	no experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	no	no experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	yes	have some experience on guidelines for ensuring quality assurance during <u>construction for new building</u>	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	no	no experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	no	no experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	yes	have experience on preparation of materials for training	3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	have some experience on monitoring of retrofitting works at the retrofitting workshop in PWD.	2	2

## 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	have conducted training programs on quality control, construction management & other technical matters etc.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	have experience on preparation of training materials, budget plan and schedule but also need more experience	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	no experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	no experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	no	no experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	no	no experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	yes		4	4

**Name of the C/P and his/her position:** MOHAMMAD ABUL KALAM AZAD, Sub-Divisional Engineer (Civil), PWD Design Division-VI, Design Circle II, Dhaka (since June 2005, has experience as campus engineer at Bangladesh National University, worked at the private sector (contractor) from 2002 to 2003.)

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

### 1) The PDM Output 1-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	Studied a 3.0 Credit theory course on GIS	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have some idea through CNCRP. Need advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Studied on design point of view	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	NO experience, Need advice	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	NO experience, Need advice	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	NO experience, Need advice	1	1

### 2) The PDM Output 2-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to designing as well as the retrofitting design for the buildings against natural disasters	Yes	Participated a 7 ( seven) day long Training course on " Earthquake Resistant Design & Retrofitting of Buildings.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Need advice	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need advice	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need advice	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need advice	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need advice	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Has done when I worked at a contractor. Need more advice	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need advice	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have joined in some seminars sometimes at IEB. Need more advice	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need more advice	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need more advice	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need advice	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Need advice	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Need more advice	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Need advice	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need advice	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Need advice	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Need advice	1	1
I.4.11	25-1, 25-2,	Monitoring of the retrofitting works done in order to assure quality	No	Need advice	1	1

35-1, 35-2				
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### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have conducted 2 seminars	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have some idea.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need advice	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	yes	Have done in-house trainings. Need advice	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need advice	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Need advice	1	1

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4



2<sup>nd</sup> year

Organizational Aspect

## Organizational Aspect

Code	Indicator	Survey Result		
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey
<b>PWD's management</b>				
O.1	PWD's staff	1) Number of the Class 1 staff 2) Ratio of the Class 1 staff to all PWD staff 3) Number of staff who is engaged in the Project-related activities (i.vulnerability assessment of the existing building using GIS, ii. designing (planning) for new buildings against natural disasters, iii. designing (planning) for retrofitting the existing buildings against natural disasters, iv. supervising/ management of the retrofitting work, v. quality assurance, vi. training management)	1) 667 Persons 2) 0.11apx. 3) i. Nil ii. 26 persons (Engineers of different level) iii. Nil iv. Nil v. All Executive Engineers posted in field divisions are primarily responsible for quality assurance. vi. Nil (Presently 3 part time officers are on additional charge)	1) 667 Persons, some new post has been created but not filled yet. Total nos of post for Class1 staff is now 823. 2) 0.11. Expected 0.147apx (w/823). 3) i. Same as 2011 ii. 26 persons (Engineers of different level), another 6 post has been created but not filled yet. iii. same as 2011 iv. same as 2011 v. same as 2011 vi. Nil (Presently 3 part time officers are on additional charge), A proposal for 24 new staff of different levels has been submitted to the Govt.
O.2	Coordination	Does PWD coordinate with other related organizations such as MHPW, ERD, DMB, MoFDM, DoA, BUET, BRI, HBRI, other donors in order to achieve the PDM's Overall Goal?	-Yes. Initiative has been taken for this co-ordination with almost all the related organizations.	-Yes. The co-ordination with all the related organization is getting strong.
O.3	Concern of the PWD's top leaders in the Project activities	1) Concern in retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. 2) Concern in issuance of the official license to the engineers completing training programme introduced by the Project 3) Concern in the incorporation of the manuals prepared through the Project into the future edition of BNBC 4) Future prospect of the retrofitting works being financed by the Bangladesh side	1) Yes. PWD is aware and concerned in retrofitting of public buildings. A 4-year capacity building project has been taken up with JICA Funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM. 2) Not much. But, PWD does not have authority to issue such license. PWD can issue certificates to the participants of such trainings, if offered. Final decision maker on this matter is RAJUK, MoHPW. 3) Yes. PWD shall try to disseminate the prepared manuals to concerned professionals and incorporate the provisions of the manuals in the future-edition of BNBC. Final decision maker on this matter is HBRI. 4) Yes. PWD shall prepare a roadmap for retrofitting of important vulnerable government buildings and submit it to the government for funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM.	1) Same as 2011. 2) Same as 2011. 3) Same as 2011. 4) Same as 2011.

PWD's Financial Status				
O.4	Financial Status	1) PWD's income (i. incomes from the government or budget allocated by the Government, ii. business income if any, etc.) 2) PWD's expenditure (i. subcontracting cost, if any, ii. expenditure for retrofitting works, etc.)	1) i. Budget allocated by the Government (For FY 2010- 2011)- Tk.15,540.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2010- 2011)- Tk.15,540.00 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2011- 2012)- Tk.65,884.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2011- 2012)- Tk. 65,884.00 (million) i) Nil. ii) Nil
PWD's Equipment and Maintenance				
O.5	Equipment and Maintenance	1) Vehicles, equipment necessary for material test, etc. How much equipment does PWD own? 2) Status of maintenance of the above equipment	1) No vehicle for carrying out testing operation is available. 15 items of equipments for material testing are in the stock of PWD testing laboratory. 2) Have maintenance record.	1) 1 Vehicle for carrying out testing operation is now available. 92 set equipments of 37 items are in stock of PWD testing laboratory. 2) Have maintenance record for some equipment.
PWD's Intellectual Resource				
O.6	Intellectual Resource	1) Volume of building inventory data 2) Vulnerability assessment 3) Roadmap for retrofitting 4) Design manual for designing the building against natural disasters 5) Design manual for retrofitting the building against natural disasters 6) Design documents for retrofitting 7) Manual for retrofitting works 8) Checklist for quality assurance 9) Judgment guidelines for quality assurance 10) Training materials on quality assurance 11) Monitoring database for ensuring quality 12) Training materials for the Project activities to be disseminated to other engineers	1)Not yet undertaken 2) Not yet undertaken 3) Not yet undertaken 4) BNBC/ACI/IBC is followed 5) Not yet undertaken 6) Nil 7) Nil 8) Nil 9) Nil 10) Yes but not adequate 11) Not adequate 12) Nil	1) building inventory data of 2020 nos public building of Dhaka city has been taken. 2) Same as 2011 3) Same as 2011 4) Same as 2011 5) Preparation of design manual for retrofitting of building has been started and in process. 6) A few design documents for retrofitting is collected. 7) A draft copy of "Guideline for retrofitting works" has been completed. 8) Draft checklist for design has been completed. 9) Same as 2011 10) Same as 2011 11) Same as 2011 12) Same as 2011

2<sup>nd</sup> year

Institutional Aspect

### Institutional Aspect

Code	Indicator	Survey Result			
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey	
<b>Legal system at National Level</b>					
IS.1	How does the related laws/act or national plan/policy state about <u>retrofitting</u> ?	1) Disaster Management Act (DMA) 2) National Plan for Disaster Management (NPDM) (2008-2015) 3) Standing Order on Disaster (SOD)	1) Not yet promulgated 2) In 'Action Agenda for 2010-2015', which is a part of (NPDM), the articles related to the Project are as follows: Art 12. Action Agenda: -5.3.1.4 Use of earthquake risk maps in urban planning and development -5.3.1.5 Update and ensure compliance of BNBC -5.3.1.6 Review and revise building safety codes on evacuation of people with emphasis on persons with disabilities -5.3.1.7 Develop and implement retrofitting programs for vulnerable critical infrastructure. (Lead agency: MoHPW) 3) See Art.4.2.13.1	1) Same as 2011 2) Same as 2011 3) Same as 2011	
<b>Institution</b>					
IS.2	Statements of the PDM's Overall Goal	1) Is any institution on retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. established? 2) Is any institution on the issuance of license to the engineers completing training programme introduced by the Project established? 3) Are any manuals prepared through the Project incorporated into BNBC?	No No No	1) Same as 2011 2) Same as 2011 3) Same as 2011	
IS.3	Public awareness on retrofitting	Is any institution on promotion of public awareness activities on retrofitting of the existing buildings built?	No	3) Same as 2011	

3<sup>rd</sup> year

3<sup>rd</sup> year

Individual Aspect (Working Team 1)

**Name of the C/P and his/her position: Mr. Ali Newaz Ahmed, Team Leader of Component. 1 (executive Engineer, Survey Division, Project Circle-1)Format 1:**  
**Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	More Training is needed	4	4
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	More Training needed	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Training needed	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Training needed	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Training needed	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Training needed	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Training needed	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Training needed	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Training needed	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Training needed	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	More Training needed	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Training needed	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	More Training needed	1	1
12.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	More Training needed	1	1



## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	More Training & practice is needed	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Training needed	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Training is needed	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Training is needed	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Training is needed	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Training is needed	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Training is needed	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Training is needed	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Training is needed	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Training is needed	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Training is needed	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Training is needed	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Training is needed	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	No Experience	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am gathered same experience & able to do it.	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am gathered same experience & able to do it.	3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am gathered same experience & able to do it.	3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I am gathered same experience & able to do it.	3	3

**Name of the C/P and his/her position: Muhammad Mostafijur Rahman, Sub-Divisional Engineer, Team Member, WT-1.**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	ArcGIS 10 and MS Access have been learned and process of Building Inventory is going on with the softwares.	4	4
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Learned from lectures, seminars and workshop of CNCRP. Need more guidance.	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Learned something from lectures, seminars and workshop of CNCRP. Need more guidance.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Learned something from lectures, seminars and workshop of CNCRP. Need more guidance.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience. Need training and guidance.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience. Need training and guidance.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need training and guidance.	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Need training and guidance.	1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience. Need training and guidance.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience. Need training and guidance.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some knowledge by attending lectures, seminars, workshop under CNCRP.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Have some experience by attending lectures, seminars, workshop under CNCRP.	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am involved with the seminars, workshops of CNCRP	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am concerned to prepare the project report.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am willing to promote the awareness program.	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I got training in Japan and I am willing to use the experience.	5	5

**Name of the C/P and his/her position: Rafia Begum, Sub-Divisional Engineer, PWD E/M Planning and design Circle & Team Member, Working Team 1 of CNCRP project**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Attended training for ARC GIS 10 and MS ACCESS and involved with the preparation of building inventory database.	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Got some idea by attending some meetings held during the work, More study is required.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience, study of BNBC regarding vulnerability assessment is required	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience, study of Foreign codes for vulnerability assessment is required	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Have no experience, training is required	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Have no experience, training is required	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Study/training is required	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Study/training is required	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	Training is required	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Training is required	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Study is required	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Study is required	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Study is required	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Study is required	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Study is required	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Got Some Experience by attending seminar/workshop. More study is required.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	Study is required	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Got Some Experience by attending seminar/workshop. More study is required.	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Study is required	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Study is required	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Study is required	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willin gness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attended a seminar and a workshop and feel very well about it and after having more experience I will able to do.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Yes, I want to prepare progress/completion report.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I want to promote awareness of retrofitting of existing buildings as well as seeking cooperation of other related organization in promoting such activity	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I want to apply experience of training in Japan in daily work	5	5



**Name of the C/P and his/her position: A.K.M. Sajadur Rahman, Assistant Engineer, Team Member, WT-1.**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have been trained in GIS and MS Access	4	4
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No practical experience. Learned from lectures but need further guidance	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	Training obtained.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Training obtained.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience. Need training and guidance.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience. Need training and guidance.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	No practical experience. Need guidance.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	No practical experience. Need guidance.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	No practical experience. Need guidance.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Have some knowledge. But no practical experience.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No practical experience. Need guidance.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience. Need guidance.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need guidance.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need guidance.	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some knowledge by observing core test in field.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Need training and guidance.	1	1

#### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	No practical experience. Need guidance.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No practical experience. Need guidance.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No practical experience. Need guidance.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No practical experience. Need guidance.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during <u>the retrofitting work</u>	No	No practical experience. Need guidance.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No practical experience. Need guidance.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No practical experience. Need guidance.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No practical experience. Need guidance.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No practical experience. Need guidance.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience. Need training and guidance.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience. Need training and guidance.	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Attended some seminars.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Training obtained.	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Training obtained.	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am concerned to prepare the project report.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am willing to promote the awareness program.	3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	4	4

3<sup>rd</sup> year

Individual Aspect (Working Team 2)

Name of the C/P and his/her position: Md. Rafiqul Islam, Executive Engineer, PWD Design Division-3 & Team Leader, Working Team-2

Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

1) The PDM Output 1-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Some experience	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provision for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need more study and experience	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Some experience	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

2) The PDM Output 2-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs enough exercise for confidence	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more experience	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs enough exercise for confidence	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Some experience	2	2

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience. Need more exercise.	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience.	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Some experience	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience. But no formal check list.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

## 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct two training program for the designer.	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct two training program for the designer.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Delivered some lectures	4	4
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Have experience	3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	No experience of deliver lecture on retrofitting works. Have some experience of demonstration.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Not very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Very much	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: ANUP KUMAR HALDER (Team member, Working Team-2), Design Division-V, PWD**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Learnt method by lectures	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assessed using Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied some foreign codes	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Checked draft manual	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	As shown in 1.1.4	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have learned methods by lectures and training courses.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have learned methods by lectures and training courses.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Checked draft manual	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Through test work and lectures	2	2



**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have practical experience	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Checked draft manual	2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		1	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Test work and previous working experience before joining PWD.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Test work and previous working experience before joining PWD.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Test work and lecture	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Test work and lecture	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Test work and lecture	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Test work and lecture	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Some experience. Conduct two training as trainer	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Delivered lecture in two training sessions	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes		3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes		2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Delivered lecture on retrofitting works	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position:** Md. Emdadul Huq, Assistant Engineer, PWD Design Division–1, Working Team-2

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provision for vulnerability assessment	1	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need more study and experience	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Some experience	2	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs enough exercise for confidence	2	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more experience	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs enough exercise for confidence	2	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Currently I am involved to prepare the new design manual.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	I am involved to prepare the retrofitting manual.	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Already I have completed one building(Retrofit design drawing)	3	3

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience.	2	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	No experience.	1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Some experience	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct two training program for the designer.	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct two training program for the designer.	3	3
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	I attained lectures on design of the new public buildings against natural disasters.	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Some experience	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	I attained lectures on retrofit work of the existing public buildings	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attained all projects related meetings where I have access to attain.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am willing to prepare project related reports	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very Much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very Much	5	5

**Name of the C/P and his/her position: MD. JAHIDUL ISLAM KHAN, Member WT-2, CNCRP**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	There is no scope of such works in our Department	1	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assess one building under CNCRP	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC do not have such guidelines	1	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied codes, literatures and in attended training courses	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Assisting to manual preparation for CNCRP	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	Yes	Getting knowledge through CNCRP	3	3

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	BNBC, ACI, FEMA	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	BNBC, ACI	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Learning through working with CNCRP and relevant study. Need much exercise on real buildings.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Not such experiences	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Not such experiences	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Learning through working with manual preparation works of CNCRP	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Learning through working with manual preparation works of CNCRP	2	2

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Learning through working CNCRP building assessment	3	3
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have taken column cores and tested for assessment	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Learning through CNCRP.	2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have experience of site visit and quality inspection	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have got some experience through the building assessment and retrofitting design under CNCRP	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Did not get such scope of works	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have got some experiences need more.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Did not get such scope of works	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Did not get such scope of works	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Did not get such scope of works	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Did not get such scope of works	1	1

## 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Prepared lecture sheet and provided lecture in the CNCRP Training Sessions for other departments this year	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	Did not get such scope of works	1	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Lecture on Level-01 provided in PWD	3	3
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Did not get such scope of works	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Did not get such scope of works	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Did not get such scope of works	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Little Experiences	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Little Experiences	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Little Experiences	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Little Experiences	5	5



**Name of the C/P and his/her position: MD. MOMINUR RAHMAN, TEAM MEMBER, COMPONENT-2, EXECUTIVE ENGINEER**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Some experience	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	In BNBC, no provisions for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	More study is needed	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Some experience	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs more study	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Needs more exercise	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs more exercise	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs more exercise	2	2

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Need more exercise	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience	2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct two training program for the designer.	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct two training program for the designer.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Some lectures are delivered	4	4
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Some experience	3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Some experience on demonstration	2	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	very much	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	very much	5	5

**Name of the C/P and his/her position:** Moniruzzaman Moni, Assistant Engineer, PWD Design Division-3, Member Working Team-2.

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	I don't have any experience regarding the preparation of GIS inventory.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Vulnerability Assessment of the existing building by using Japanese method by using 1 <sup>st</sup> level and 2 <sup>nd</sup> level screening and ASCE 41	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC has no guideline for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	I have gone through FEMA 356, ASCE-41, ATC-40, and also performed Pushover analysis for seismic vulnerability assessment of the existing building.	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	I am a member of working team-2. As a member of working team-2 I am involved with the preparation of vulnerability assessment manual.	3	3
I.1.6	16, 33	Preparation of road map for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	The technology is changing every day so there is no alternative to update with rest of the world.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Bangladesh is country of natural disaster so for designing new building we need to consider all natural disaster.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	I don't have much practical experience for retrofitting design so more work need to be done to gather more knowledge.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1

I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	In my MSc I used steel jacketing for retrofitting of multi column bridge bent.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Currently I am working to prepare the new design manual.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	I am involved to prepare the retrofitting manual.	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Although I did not it alone but as a member of working team two I know how can it has to be prepared.	2	2

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I was involved to take core from the existing building and testing of the core in the PWD laboratory.	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	I have knowledge about the preparation of manual for the retrofitting works.	2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Although I am not involved in the working team for quality assurance system but I have knowledge about quality assurance system.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	As I am designing hospital buildings, residential building, hostel building so I need to check all criteria as per code.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Since I am not working in the field I don't have much knowledge about construction but I have basic knowledge about the quality assurance during construction.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	I need more knowledge in this regard.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	In Bangladesh I have only visited the site that we did for exhibition at ground floor of EM building in	2	2

				PWD head quarter. But I have visited different sites at Japan. I have gathered knowledge from this visits.		
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for new building	Yes	As I am designing hospital buildings, residential building, hostel building so I need to check all criteria as per code.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction</u> for new building	No	I need more knowledge in this regard.	1	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for retrofitting	Yes	I have knowledge about the guide line required during designing for retrofitting.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance</u> during retrofitting work	Yes	I have knowledge but need more	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	I don't have any experience regarding this issue.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	I gathered experience both in Japan and Bangladesh.	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	I took one class on pushover analysis.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	I have some knowledge regarding this issue but need more knowledge.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	I attained lectures on vulnerability assessment and I also took class on the topic pushover analysis to assess seismic vulnerability.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	I attained lectures on design of the new public buildings against natural disasters.	4	4
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	I attained lectures on design of the existing public buildings against natural disasters	4	4
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	I attained lectures on design of the existing public buildings against natural disasters.	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attained all projects related meetings where I have access to attain.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am willing to prepare project related reports	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am doing this.	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I have already used this experience in my daily work.	5	5

**Name of the C/P and his/her position:** *Ahmed Abdullah Noor, Sub Divisional Engineer, Sir Salimullah Medical College PWD Sub Division & Member, Working Team-2*

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provision for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Need to study	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Some experience under this project	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs more study	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Little experience	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Little experience	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for	Yes	Little experience	2	2



		retrofitting the existing buildings against natural disasters				
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience.	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Little experience	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Some experience. But no formal check list.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct two training program for the designer.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct two training program for the designer.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Little experience	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience of delivering lecture on retrofitting works.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Very much	5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: Sk. Toufiqur Rahman, Assistant Engineer, PWD Design Division-3 & Team Member, Working Team-2**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Participated in a training course on GIS & MS Access	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	Participated in a training but no assessment on existing building yet	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	I haven't seen any topics on vulnerability assessment in New & existing BNBC	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Not yet	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No, I have been involved in New Building Design Manual.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Not yet	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No	I have study some portion of Japanese standard for seismic assessment and retrofitting, lecture sheets but no practical experience.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Needs more study	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Needs to study & practical experience	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	I have been involved in New Building Design Manual	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Not involved	1	1

I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Not yet	1	1
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experience	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Not involved	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Needs more study & practical training	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Not yet	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Not yet	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Not yet	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	2	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	But participated	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	No	Interested	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	No	Very much Ineterested	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Interested	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	No	Very much interested	4	4

3<sup>rd</sup> year

Individual Aspect (Working Team 3)

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No provision in BNBC regarding vulnerability assessment.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience.	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some experience.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	For new buildings	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience.	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	yes	Have some experience.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience.	2	2

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experiences.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Preparation of Manual (Draft) for retrofitting works near to complete	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	yes	Have some experience.	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared checklists. No records.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have prepared checklists. No records.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	yes	No experience.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience.	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	yes	Have some experience.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience.	1	1



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	yes	Have some experience.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Not much experience. Except budget plan.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Have instructed to 30 new engineers in PWD. Have instructed as lecturer about eight times.	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Have experiences to describe the “Test Work” of CNCRP and to conduct lecture on retrofitting works during short training courses.	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

**Name of the C/P and his/her position: MD. SHAFIUL ISLAM, ASSISTANT ENGINEER, PWD DESIGN CIRCLE -1, MEMBER, CNCRP WORKING TEAM-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have some experience, need more advice	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	yes	In BNBC, no provision for vulnerability assessment	3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Have some Experience	2	2
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Have some Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have Attended some seminar organized by ESCB, JICA	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Have some experience, need more advice	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Have some experience, need more advice	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Have some experience, need more advice	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience, need more advice	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some experience, need more advice	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	yes	Have experience and need more advice	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	yes	Having some knowledge and need more advice	3	3

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Having some knowledge, Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	yes	Having some knowledge, Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Having some knowledge, Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Having some knowledge, Need improvement	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some seminar on technical seminar	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Need Improvement and training	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Need Improvement and training	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Need Improvement and training	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attained all projects related meetings where I have access to attain.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am willing to prepare project related reports	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO	No Experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	YES	Studied the assessment material supplied by JET	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	YES	Read BNBC for vulnerability Purpose	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES	Read FEMA, ASCE 41, Documents supplied by JET	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO	No Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO	No Experience but can envisage the issues related to Roadmap for Retrofitting	2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	YES	Studied ACI code, IBC code, AISC, FEMA, ATC for structural design of new buildings and also to find out suitable retrofit methods for Bangladesh	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES	ACI, IBC codes.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	YES	Studied JASS guideline and FEMA guidelines	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	NO		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	YES		3	3

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	YES	<i>In the CNCRP project</i>	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	YES	<i>A draft manual is prepared by WT-3 of this project</i>	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	NO	<i>No experience</i>	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	<i>No experience</i>	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	YES	<i>Experience gained through test work of the project CNCRP</i>	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES	<i>Experience gained through test work of the project CNCRP</i>	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	NO	<i>No experience</i>	1	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	NO	<i>No experience</i>	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	YES	<i>Experience gained through test work of the project CNCRP</i>	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES	<i>Experience gained through test work of the project CNCRP</i>	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	<i>Experience gained through test work of the project CNCRP</i>	1	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	NO		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES	<i>Experience gained through test work of the project CNCRP</i>	1	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>2</i>
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>1</i>
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	<i>NO</i>	<i>No experience</i>	<i>1</i>	<i>2</i>

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	<i>YES</i>		<i>2</i>	<i>2</i>
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	<i>YES</i>		<i>3</i>	<i>3</i>
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	<i>YES</i>		<i>3</i>	<i>3</i>
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	<i>YES</i>		<i>4</i>	<i>4</i>

**Name of the C/P and his/her position: Nur-E-Kawonine, Assistant Engineer, PWD Design Division-1, Team Member, CNCRP Working Team-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have experience to some extent. Need much advice	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have attended lectures. Need much advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC does not cover vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Attended seminars, studied codes and lecture materials provided by JET	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Attended short training on vulnerability assessment and retrofitting design arranged by CNCRP. Need much Experience and further advice	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need much advice	2	2



## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience, but still need more advice	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need much advice	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	2	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	2	2
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have experience to some extent. Need much advice	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have experience to some extent. Need much advice	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Need Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Need Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: ZAHID HASAN KHAN, Assistant Engineer ( Civil), Design Division-5, PWD, Dhaka & Team Member of Team-03**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	NO experience	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	NO experience	1	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes		1	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	NO experience	1	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	NO experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	NO experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Need more training and guidance	1	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Need more training and guidance	1	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Need more training and guidance	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Need more training and guidance	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need more training and guidance	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need more training and guidance	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Need more training and guidance	2	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Need more training and guidance	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need more training and guidance	1	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning)</u> for new building	Yes	Need more training and guidance	1	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction</u> for new building	Yes	Need more training and guidance	1	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning)</u> for retrofitting	No	No experience	1	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for new building	Yes	Need more training and guidance	1	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction</u> for new building	No	No experience	1	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for retrofitting	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	No experience	1	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Need more training and guidance	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience	1	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Need more guidance	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Need more guidance	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Need more guidance	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Need more guidance	3	3

3<sup>rd</sup> year

Individual Aspect (Working Team 4)

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No		2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No		2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have further study of BNBC, ATC 40 and related literatures on internet.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Before joining Audit Division, I worked for nearly 10 years as sub-divisional engineer in PWD Design Division II. I had to study prevailing methods for designing new buildings. Still I am very much interested to take further study on the methods for designing new buildings.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Retrofitting & Retrofitting methods are new here. Have seen the demonstration works of retrofitting methods.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1

I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have observed the procedures for testing concrete cylinder for concrete strength.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	I have studied Q/A in ACI manuals and other related documents given by JET. I want to update my knowledge on it.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	I am involved with the preparation of checklists.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	I am involved with the preparation of checklists.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	BNBC is usually followed as guidelines during designing new buildings.	1	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	“Design criteria and minimum requirements” of PWD & Code of practice and book of specification is followed as guidelines during construction phase.	1	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1



I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	I was initially involved in the preparation of PWD Training Curriculum.	1	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Attended a Short Training Course on “Seismic Assessment, Retrofit Design and Construction of RC Buildings”.	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Attended a Short Training Course on “Seismic Assessment, Retrofit Design and Construction of RC Buildings”.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	NO	Have experience to observe the assessment work.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	YES		3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES		2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	YES		3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES		3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	YES		3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO		1	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO		1	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	YES	Have few experience, regarding design guide line.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	NO		1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	YES	I have seen a test work.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	YES	I have seen the draft copy.	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	YES		4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	YES		3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	YES	Need feedback.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	YES	A few experience.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	YES		2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	YES		3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	YES		2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	NO	A few experience.	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES		2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	NO	A few experience.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	NO	A few experience.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	NO		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	NO		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	NO		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES		5	5

3<sup>rd</sup> year

Individual Aspect (Working Team 5)

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS			2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings			2	2
I.1.3	8	Further study of BNBC for vulnerability assessment			3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment			1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings			1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings			1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters			2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters			2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters			2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters			2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters			2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters			2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters			2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters			2	2

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core			3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works			2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system			3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>			3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>			3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>			3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>			2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>			2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>			2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>			2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>			2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance			3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality			1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations			4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule			3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings			2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters			2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters			1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings			2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.			4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.			4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.			4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.			5	5



**Name of the C/P and his/her position: Rashed Ahsan, Assistant Engineer, PWD Design Div-6, WT-5**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes		2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	Yes		2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	No		1	1
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No		1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes		3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No		1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No		1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No		1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No		1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No		1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No		1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes		2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		3	3
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

3<sup>rd</sup> year

Organizational Aspect

## Organizational Aspect

Code	Indicator	Survey Result			
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey	
<b>PWD's management</b>					
O.1	PWD's staff	1) Number of the Class 1 staff 2) Ratio of the Class 1 staff to all PWD staff 3) Number of staff who is engaged in the Project-related activities (i.vulnerability assessment of the existing building using GIS, ii. designing (planning) for new buildings against natural disasters, iii. designing (planning) for retrofitting the existing buildings against natural disasters, iv. supervising/ management of the retrofitting work, v. quality assurance, vi. training management)	1) 667 Persons 2) 0.11apx. 3) i. Nil ii. 26 persons (Engineers of different level) iii. Nil iv. Nil v. All Executive Engineers posted in field divisions are primarily responsible for quality assurance. vi. Nil (Presently 3 part time officers are on additional charge)	1) 667 Persons, some new post has been created but not filled yet. Total nos of post for Class1 staff is now 823. 2) 0.11. Expected 0.147apx (w/823). 3) i. Same as 2011 ii. 26 persons (Engineers of different level), another 6 post has been created but not filled yet. iii. same as 2011 iv. same as 2011 v. same as 2011 vi. Nil (Presently 3 part time officers are on additional charge), A proposal for 24 new staff of different levels has been submitted to the Govt.	1) 829 Persons. 2) 0.12 apx. 3) i. Same as 2012 ii. 32 persons (Engineers of different level. iii. same as 2012 iv. same as 2012 v. same as 2012 vi. 24 persons of different levels are working at training academy.
O.2	Coordination	Does PWD coordinate with other related organizations such as MHPW, ERD, DMB, MoFDM, DoA, BUET, BRI, HBRI, other donors in order to achieve the PDM's Overall Goal?	-Yes. Initiative has been taken for this co-ordination with almost all the related organizations.	-Yes. The co-ordination with all the related organization is getting strong.	
O.3	Concern of the PWD's top leaders in the Project activities	1) Concern in retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. 2) Concern in issuance of the official license to the engineers completing training programme introduced by the Project 3) Concern in the incorporation of the manuals prepared through the Project into the future edition of BNBC 4) Future prospect of the retrofitting works being financed by the Bangladesh side	1) Yes. PWD is aware and concerned in retrofitting of public buildings. A 4-year capacity building project has been taken up with JICA Funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM. 2) Not much. But, PWD does not have authority to issue such license. PWD can issue certificates to the participants of such trainings, if offered. Final decision maker on this matter is RAJUK, MoHPW. 3) Yes. PWD shall try to disseminate the prepared manuals to concerned professionals and incorporate the provisions of the manuals in the future-edition of BNBC. Final decision maker on this matter is HBRI. 4) Yes. PWD shall prepare a roadmap for retrofitting of important vulnerable government buildings and submit it to the government for funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM.	1) Same as 2011. 2) Same as 2011. 3) Same as 2011. 4) Same as 2011.	1) Same as 2012. 2) Same as 2012. 3) Same as 2012. 4) Same as 2012.

<b>PWD's Financial Status</b>					
O.4	Financial Status	1) PWD's income (i. incomes from the government or budget allocated by the Government, ii. business income if any, etc.) 2) PWD's expenditure (i. subcontracting cost, if any, ii. expenditure for retrofitting works, etc.)	1) i. Budget allocated by the Government (For FY 2010- 2011)- Tk.15,540.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2010- 2011)- Tk.15,540.00 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2011- 2012)- Tk.65,884.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2011- 2012)- Tk. 65,884.00 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2012- 2013)- Tk.71,468.46 (million) ii. Nil. 2)i. Expenditure-(For FY-2012- 2013)- Tk.71,468.46 (million) i) Nil. ii) Nil
<b>PWD's Equipment and Maintenance</b>					
O.5	Equipment and Maintenance	1) Vehicles, equipment necessary for material test, etc. How much equipment does PWD own? 2) Status of maintenance of the above equipment	1) No vehicle for carrying out testing operation is available. 15 items of equipments for material testing are in the stock of PWD testing laboratory. 2) Have maintenance record.	1) 1 Vehicle for carrying out testing operation is now available. 92 set equipments of 37 items are in stock of PWD testing laboratory. 2) Have maintenance record for some equipment.	1) Same as 2012. 2) Same as 2012.
<b>PWD's Intellectual Resource</b>					
O.6	Intellectual Resource	1) Volume of building inventory data 2) Vulnerability assessment 3) Roadmap for retrofitting 4) Design manual for designing the building against natural disasters 5) Design manual for retrofitting the building against natural disasters 6) Design documents for retrofitting 7) Manual for retrofitting works 8) Checklist for quality assurance 9) Judgment guidelines for quality assurance 10) Training materials on quality assurance 11) Monitoring database for ensuring quality 12) Training materials for the Project activities to be disseminated to other engineers	1)Not yet undertaken 2) Not yet undertaken 3) Not yet undertaken 4) BNBC/ACI/IBC is followed 5) Not yet undertaken 6) Nil 7) Nil 8) Nil 9) Nil 10) Yes but not adequate 11) Not adequate 12) Nil	1) building inventory data of 2020 nos public building of Dhaka city has been taken. 2) Same as 2011 3) Same as 2011 4) Same as 2011 5) Preparation of design manual for retrofitting of building has been started and in process. 6) A few design documents for retrofitting is collected. 7) A draft copy of "Guideline for retrofitting works" has been completed. 8) Draft checklist for design has been completed. 9) Same as 2011 10) Same as 2011 11) Same as 2011 12) Same as 2011	1) Same as 2012. 2) Vulnerability assessment of 3 nos building has been prepared by WT2 of CNCRP project. 3) Same as 2012 4) BNBC/ACI/IBC is followed, but a draft version of design manual has been prepared by WT2 5) Same as 2012. 6) Same as 2012. 7) A draft copy of "Guideline for retrofitting works" has been completed and the draft version of 'Manual of retro fitting works' is near to completed. 8) Draft checklist for design has been completed. 9) Draft checklist for design has been completed 10) Same as 2012 11) Same as 2012 12) Training materials for short course on retrofit design has been prepared by WT2 and WT3.

3<sup>rd</sup> year

Institutional Aspect

### Institutional Aspect

Code	Indicator	Survey Result			
		Status (March 2011) at the First Survey	Status at the Second Survey	Status at the Third Survey	
<b>Legal system at National Level</b>					
IS.1	How does the related laws/act or national plan/policy state about <u>retrofitting</u> ?	1) Disaster Management Act (DMA) 2) National Plan for Disaster Management (NPDM) (2008-2015) 3) Standing Order on Disaster (SOD)	1) Not yet promulgated 2) In 'Action Agenda for 2010-2015', which is a part of (NPDM), the articles related to the Project are as follows: Art 12. Action Agenda: -5.3.1.4 Use of earthquake risk maps in urban planning and development -5.3.1.5 Update and ensure compliance of BNBC -5.3.1.6 Review and revise building safety codes on evacuation of people with emphasis on persons with disabilities -5.3.1.7 Develop and implement retrofitting programs for vulnerable critical infrastructure. (Lead agency: MoHPW) 3) See Art.4.2.13.1	1) Same as 2011 2) Same as 2011 3) Same as 2011	1) Same as 2012 2) Same as 2012 3) Same as 2012
<b>Institution</b>					
IS.2	Statements of the PDM's Overall Goal	1) Is any institution on retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. established? 2) Is any institution on the issuance of license to the engineers completing training programme introduced by the Project established? 3) Are any manuals prepared through the Project incorporated into BNBC?	No No No	1) Same as 2011 2) Same as 2011 3) Same as 2011	1) Same as 2012 2) Same as 2012 3) Part of draft manuals has been prepared. However, it is not incorporated into BNBC.
IS.3	Public awareness on retrofitting	Is any institution on promotion of public awareness activities on retrofitting of the existing buildings built?	No	3) Same as 2011	Same as 2012



4<sup>th</sup> year

4<sup>th</sup> year (End line Data)

Individual Aspect (Working Team 1)

**Name of the C/P and his/her position: Mr. Ali Newaz Ahmed, Team Leader of Component. 1 (executive Engineer, Survey Division, Project Circle-1)** **Format 1:** Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes		5	5
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	More Training needed	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Training needed	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Training needed	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Training needed	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Training needed	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Training needed	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	No	Training needed	1	1
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Training needed	1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Training needed	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	More Training needed	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Training needed	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	More Training needed	1	1
12.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	More Training needed	1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	More Training & practice is needed	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Training needed	1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Training is needed	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Training is needed	1	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Training is needed	1	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Training is needed	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Training is needed	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Training is needed	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Training is needed	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Training is needed	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Training is needed	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Training is needed	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Training is needed	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Training is needed	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No Experience	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No Experience	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am gathered same experience & able to do it.	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am gathered same experience & able to do it.	3	3
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am gathered same experience & able to do it.	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I am gathered same experience & able to do it.	4	4

**Name of the C/P and his/her position: Muhammad Mostafijur Rahman, Sub-Divisional Engineer, Team Member, WT-1.**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	ArcGIS 10 and MS Access have been learned and process of Building Inventory is going on with the softwares.	5	5
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Learned from lectures, seminars and workshop of CNCRP. Need more guidance.	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	Learned something from lectures, seminars and workshop of CNCRP. Need more guidance.	2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Learned something from lectures, seminars and workshop of CNCRP. Need more guidance.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience. Need training and guidance.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience. Need training and guidance.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience. Need training and guidance.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	No experience. Need training and guidance.	1	1

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	No experience. Need training and guidance.	1	1

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have some knowledge by attending lectures and trainings under CNCRP.	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience. Need training and guidance.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	No experience. Need training and guidance.	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some knowledge by attending lectures, seminars, workshop under CNCRP.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Have some experience by attending lectures, seminars, workshop under CNCRP.	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Have some knowledge by attending lectures, seminars, workshop under CNCRP.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I am involved with the seminars, workshops of CNCRP	5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am concerned to prepare the project report.	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am willing to promote the awareness program.	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I got training in Japan and I am willing to use the experience.	5	5



**Name of the C/P and his/her position: Rafia Begum, Sub-Divisional Engineer, PWD E/M Planning and design Circle & Team Member, Working Team 1 of CNCRP project**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Attended training for ARC GIS 10 and MS ACCESS and involved with the preparation of building inventory database.	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Got some idea by attending some meetings held during the work, More study is required.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No experience, study of BNBC regarding vulnerability assessment is required	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	No experience, study of Foreign codes for vulnerability assessment is required	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Have no experience, training is required	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Have no experience, training is required	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Got some idea by attending lectures and trainings under CNCRP project. More study is required	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Study/training is required	1	1

I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Study/training is required	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Study/training is required	1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	No	Training is required	1	1
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Training is required	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Study is required	1	1
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Study is required	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	Study is required	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	Study is required	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Study is required	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	Study is required	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Study is required	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No	Study is required	1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Got Some Experience by attending seminar/workshop. More study is required.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	Study is required	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Got Some Experience by attending seminar/workshop. More study is required.	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Study is required	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Study is required	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Study is required	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Willin gness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attended a seminar and a workshop and feel very well about it and after having more experience I will able to do.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Yes, I want to prepare progress/completion report.	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I want to promote awareness of retrofitting of existing buildings as well as seeking cooperation of other related organization in promoting such activity	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I want to apply experience of training in Japan in daily work	5	5

4<sup>th</sup> year (End line Data)

Individual Aspect (Working Team 2)

**Name of the C/P and his/her position:** *Md. Rafiqul Islam, Executive Engineer, PWD Design Division-3 & Team Leader, Working Team-2*\_\_\_\_\_

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Some experience	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	5	5
I.1.3	8	Further study of BNBC for vulnerability assessment	No	In BNBC, no provision for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need more study and experience	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Some experience on editing	4	4
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs enough exercise for confidence	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have ample experience	5	5
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs enough exercise for confidence	3	4
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have experience on new building design manual	4	4
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	3	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Some experience, need more exercise	3	3

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience. Need more exercise.	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience.	2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Some experience	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience. But no formal check list.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	4	5
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct some training program for the designer.	4	5
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct some training program for the designer.	5	5
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Delivered some lectures	5	5
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Have experience	4	4
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	No experience of deliver lecture on retrofitting works. Have some experience of demonstration.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Not very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Very much	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: ANUP KUMAR HALDER (Team member, Working Team-2), Design Division-V, PWD**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Learnt method by lectures	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assessed using Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied some foreign codes	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Checked draft manual	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	As shown in 1.1.4	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Have learned methods by lectures and training courses.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have learned methods by lectures and training courses.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Checked draft manual	3	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Through test work and lectures and pilot project	3	3



## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have practical experience	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Checked draft manual	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Go through the draft version of quality control manual	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Test work and previous working experience before joining PWD. Working with pilot project	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Test work and previous working experience before joining PWD. Have some observations and comments	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Test work and previous working experience before joining PWD. Have some observations and comments	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Test work and lecture	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Test work and lecture	3	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Test work and lecture	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Test work and lecture	3	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience and present a paper on Rana Plaza	4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Some experience. Conduct two training as trainer	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Delivered lecture in two training sessions	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes		3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes		3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Delivered lecture on retrofitting works	5	5

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Willing to work in this project actively	5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Already prepared reports on assessment of DK Knit Wear regarding building status and retrofitting plan	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I have participated in awareness program in two schools with parents and students to promote awareness among them	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I have already using the idea of axial force ratio in column design and try to keep it 0.4 as suggested by Japanese Code for trail section of column. Understanding different codes actually help me in my daily design. Now I can use AISC and AIJ and compare to get better design.	5	5

**Name of the C/P and his/her position: MD. JAHIDUL ISLAM KHAN, Member WT-2, CNCRP**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	There is no scope of such works in our Department	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have assess some building under CNCRP	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC do not have such guidelines	3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Studied codes, literatures and in attended training courses	4	4
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	Assisting to manual preparation for CNCRP	4	4
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	Yes	Getting knowledge through CNCRP	3	3

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	BNBC, ACI, FEMA, ASCE, RMG building assessment guideline in Bangladesh	4	4
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	BNBC, ACI	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Learning through working with CNCRP and relevant study. Need much exercise on real buildings.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Not such experiences	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Not such experiences	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Learning through working with manual preparation works of CNCRP	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Learning through working with manual preparation works of CNCRP	3	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Learning through working CNCRP building assessment	4	4

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have taken column cores and tested for assessment	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Learning through CNCRP.	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have experience of site visit and quality inspection	4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have got some experiences need more.	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have got some experience through the building assessment and retrofitting design under CNCRP	3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Have got some experiences need more.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have got some experiences need more.	3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have got some experiences from pilot project	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have got some experiences from pilot project	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	Did not get such scope of works	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Have got some experiences from pilot project	2	2

## 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Prepared lecture sheet and provided lecture in the CNCRP Training Sessions for other departments this year	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Experience is gathering by CNCRP	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Lecture on Level-01 provided in PWD	3	3
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Did not get such scope of works	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Did not get such scope of works	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Did not get such scope of works	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Little Experiences	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I have prepared some reports on BNBC compliance, assessment and retrofitting design for RMG project.	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	These types of awareness activities on retrofitting of the existing buildings will be helpful for reduce disaster.	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I am trying to apply the experience and knowledge gather from CP training in Japan in our daily work.	5	5

**Name of the C/P and his/her position: MD. MOMINUR RAHMAN, TEAM MEMBER, COMPONENT-2, EXECUTIVE ENGINEER**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Some experience	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	In BNBC, no provisions for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	More study is needed	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Some experience	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Needs more study	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Needs more exercise	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs more exercise	2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Some experience	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Some experience	3	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Some experience	2	2

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Some experience	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Some experience	2	2

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	No experience	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Some experience	2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	No experience	1	1
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some experience	4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Conduct two training program for the designer.	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Conduct two training program for the designer.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Some lectures are delivered	4	4
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Some experience	3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Some experience on demonstration	2	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	very much	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	very much	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	very much	5	5



**Name of the C/P and his/her position:** Moniruzzaman Moni, Assistant Engineer, PWD Design Division-3, Member Working Team-2.

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	I don't have any experience regarding the preparation of GIS inventory.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Vulnerability Assessment of the existing building by using Japanese method by using 1 <sup>st</sup> level and 2 <sup>nd</sup> level screening and ASCE 41	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC has no guideline for vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	I have gone through FEMA 356, ASCE-41, ATC-40, and also performed Pushover analysis for seismic vulnerability assessment of the existing building.	3	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	Yes	I am a member of working team-2. As a member of working team-2 I am involved with the preparation of vulnerability assessment manual.	3	3
I.1.6	16, 33	Preparation of road map for retrofitting the public buildings	No	No experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	The technology is changing every day so there is no alternative to update with rest of the world.	3	4
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Bangladesh is country of natural disaster so for designing new building we need to consider all natural disaster.	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	I don't have much practical experience for retrofitting design so more work need to be done to gather more knowledge.	3	3

I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	In my MSc I used steel jacketing for retrofitting of multi column bridge bent.	3	3
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Currently I am working to prepare the new design manual.	3	4
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	I am involved to prepare the retrofitting manual.	2	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Although I did not it alone but as a member of working team two I know how can it has to be prepared.	2	3

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I was involved to take core from the existing building and testing of the core in the PWD laboratory.	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	I have knowledge about the preparation of manual for the retrofitting works.	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Although I am not involved in the working team for quality assurance system but I have knowledge about quality assurance system.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	As I am designing hospital buildings, residential building, hostel building so I need to check all criteria as per code.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No	Since I am not working in the field I don't have much knowledge about construction but I have basic knowledge about the quality assurance during construction.	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	I need more knowledge in this regard.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	In Bangladesh I have only visited the site that we did for exhibition at ground floor of EM building in PWD head quarter. But I have visited different sites at Japan. I have gathered knowledge from this visits.	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	As I am designing hospital buildings, residential building, hostel building so I need to check all criteria as per code.	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	I need more knowledge in this regard.	1	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	I have knowledge about the guide line required during designing for retrofitting.	2	3
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	I have knowledge but need more	2	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	I don't have any experience regarding this issue.	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	I gathered experience both in Japan and Bangladesh.	2	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	I took one class on pushover analysis.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	I have some knowledge regarding this issue but need more knowledge.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	I attained lectures on vulnerability assessment and I also took class on the topic pushover analysis to assess seismic vulnerability.	4	4
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	I attained lectures on design of the new public buildings against natural disasters.	4	4
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	I attained lectures on design of the existing public buildings against natural disasters	4	4
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	I attained lectures on design of the existing public buildings against natural disasters.	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attained all projects related meetings where I have access to attain.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am willing to prepare project related reports	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	I am doing this.	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	I have already used this experience in my daily work.	5	5

**Name of the C/P and his/her position: Sk. Toufiqur Rahman, Assistant Engineer, PWD Design Division-3 & Team Member, Working Team-2**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Participated in a training course on GIS & MS Access	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No	Participated in a training	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	No	I haven't seen any topics on vulnerability assessment in New & existing BNBC	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Not yet	1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No, I have been involved in New Building Design Manual.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Some Experience	2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	I have study some portion of Japanese standard for seismic assessment and retrofitting, lecture sheets and practical experience.	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Needs more study	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Needs more study and experience	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	No experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	No experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	I have been involved in New Building Design Manual	4	4
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Not involved	1	1
I.2.8	20, 34	Preparation of design documents including drawing for	No	Some experience through pilot project	2	2

		<u>retrofitting</u> the existing buildings against natural disasters				
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experience	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No	Not involved	1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	No	Needs more study & practical training	2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning)</u> for new building	Yes	Some experience	2	2
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction</u> for new building	No	Some experience	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning)</u> for retrofitting	No	Not yet	1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No	Not yet	1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for new building	Yes	Some experience	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction</u> for new building	Yes	Some experience	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning)</u> for retrofitting	No	No experience	1	1
I.4.9	24	Guidelines for ensuring quality assurance during <u>retrofitting work</u>	No	No experience	1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No	No experience	1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Some experience	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No	But participated	1	1
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No	No experience.	1	1
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	No experience. Needs more study & training & practical experience to have that confidence.	1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	No	Interested	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	No	Very much Interested	5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Interested	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	No	Very much interested	4	4

4<sup>th</sup> year (End line Data)

Individual Aspect (Working Team 3)



**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No	No experience.	1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have some experience.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	No provision in BNBC regarding vulnerability assessment.	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No	Have some knowledge.	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	No experience.	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	No experience.	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have some experience.	4	4
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	For new buildings	4	4
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience.	3	3
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some experience.	2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	No experience.	1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have some experience.	3	3

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have some experiences.	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Preparation of Manual (Draft) for retrofitting works near to complete	4	4

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Have some experience.	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Have prepared checklists. No records.	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Have prepared checklists. No records.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Have some experience.	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have some experience.	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	No experience.	1	1
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Have some experience.	2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	No experience.	1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have some experience.	4	4
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Have some experience.	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Have some experience.	2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have some experience.	4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Not much experience. Except budget plan.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	No experience.	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Have instructed to 30 new engineers in PWD. Have instructed as lecturer about eight times.	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	No experience.	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Have experiences to describe the “Test Work” of CNCRP and to conduct lecture on retrofitting works during short training courses.	4	4

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

**Name of the C/P and his/her position: MD. SHAFIUL ISLAM, ASSISTANT ENGINEER, PWD DESIGN CIRCLE -1, MEMBER, CNCRP WORKING TEAM-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have some experience, need more advice	3	3
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Experience on Japanese standard and ASCE	4	4
I.1.3	8	Further study of BNBC for vulnerability assessment	yes	In BNBC, no provision for vulnerability assessment	4	4
I.1.4	8	Further study of foreign codes for vulnerability assessment	yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Have some Experience	3	3
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Have some Experience	2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have Attended some seminar organized by ESCB, JICA	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No	Have some experience, need more advice	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Have some experience, need more advice	3	3
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Have some experience, need more advice	3	3
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Have some experience, need more advice	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Have some experience, need more advice	2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No	Need Experience	2	2

**3) The PDM Output 3-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	yes	Have experience and need more advice	4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	yes	Having some knowledge and need more advice	4	4

**4) The PDM Output 4-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Having some knowledge, Need improvement	4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	yes	Having some knowledge, Need improvement	2	2
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Having some knowledge, Need improvement	4	4
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Having some knowledge, Need improvement	4	4
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Having some knowledge, Need improvement	2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Having some knowledge, Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Having some knowledge, Need improvement	4	4

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Some seminar on technical seminar	4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Need Improvement and training	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Need Improvement and training	2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Need Improvement and training	2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Need Improvement and training	2	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	I attained all projects related meetings where I have access to attain.	4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	I am willing to prepare project related reports	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Very much	5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Very much	5	5

**Name of the C/P and his/her position: Nur-E-Kawonine, Assistant Engineer, PWD Design Division-1, Team Member, CNCRP Working Team-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Have experience to some extent. Need much advice	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have attended lectures. Need much advice	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No	BNBC does not cover vulnerability assessment	1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	yes	FEMA	2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Experience	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Attended seminars, studied codes and lecture materials provided by JET	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Attended short training on vulnerability assessment and retrofitting design arranged by CNCRP. Need much Experience and further advice	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No	Need Experience	1	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No	Need Experience	1	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need much advice	3	3

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience, but still need more advice	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need much advice	3	3

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need improvement	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	2	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement	2	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement	2	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement	2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement	2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Have experience to some extent. Have worked as a member of WT-3 of CNCRP. Need improvement	3	3



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Have experience to some extent. Need much advice	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have experience to some extent. Need much advice	2	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No	Need Experience	1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Need Experience	1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No	Need Experience	1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No	Have experience of giving lecture as a member of WT-3 of CNCRP. Need improvement	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position: Zahid Hasan Khan, Assistant Engineer, PWD Design Division-5, Team Member, CNCRP Working Team-3**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes	Need much advice & Training	2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes	Have attended lectures. Need much advice & Study	3	3
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes	BNBC does not cover vulnerability assessment. Self Study	3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	Yes	Need to study on foreign codes	2	3
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No	Need Opportunity & guidance	1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No	Need Opportunity & guidance	1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Attended seminars & classes, studied codes and lecture materials provided by JET	3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Through BNBC	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Need Opportunity & guidance	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	Yes	Need Opportunity & guidance	3	3
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	Yes	Need Opportunity & guidance	3	3
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	Yes	Need Opportunity & guidance	3	3
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	Yes	Need Opportunity & guidance	3	3
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	Yes	Need Opportunity & guidance	3	3

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	Have experience, but still need more advice & guidance	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes	Need Opportunity & guidance	3	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	Need improvement & guidance	3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement & guidance	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement & guidance	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	Yes	Need improvement & guidance	3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	Yes	Need improvement & guidance	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	Need improvement & guidance	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	Need improvement & guidance	3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No	Need improvement & guidance	3	3
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	Yes	Need improvement & guidance	3	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	Yes	Need improvement & guidance	3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Need improvement & guidance	3	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes	Need Experience & guidance	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	Have experience to some extent. Need much advice	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	Yes	Need Experience & guidance	3	3
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	Yes	Need Experience & guidance	3	3
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	Yes	Need Experience & guidance	3	3
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Need Experience & guidance	3	3

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes	Need Opportunity & guidance	3	3
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes	Need Opportunity & guidance	4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes	Need Opportunity & guidance	4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes	Need Opportunity & guidance	5	5

4<sup>th</sup> year (End line Data)

Individual Aspect (Working Team 4)

**Name of the C/P and his/her position: Mr. Ziaul Hafiz (WT4 Team Leader) on 20 March 2011 (Superintending Engineer, Monitoring & Audit, 26 years experience in PWD)**

Format 1: Survey items from the “**knowledge**” and “**skill**” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	No		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	No		1	1
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes		3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes		3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes		3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for	No		2	2

		retrofitting the existing buildings against natural disasters			
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### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes		4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes		3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes		3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No		2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No		2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		2	2
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	No		2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	No		2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		2	2
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		2	2

Format 2: **Survey items from the “awareness” aspect:** Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.

Code	Assessment Item	Willingness (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5



**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes		2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes		2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes	Have further study of BNBC, ATC 40 and related literatures on internet.	2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	Before joining Audit Division, I worked for nearly 10 years as sub-divisional engineer in PWD Design Division II. I had to study prevailing methods for designing new buildings. Still I am very much interested to take further study on the methods for designing new buildings.	3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Retrofitting & Retrofitting methods are new here. Have seen the demonstration works of retrofitting methods.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1

I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have observed the procedures for testing concrete cylinder for concrete strength, as well as steel strength.	3	3
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	Yes		2	2

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes	I have studied Q/A in ACI manuals and other related documents given by JET. I want to update my knowledge on it.	4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	I am involved with the preparation of checklists.	4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	I am involved with the preparation of checklists.	4	4
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No	BNBC is usually followed as guidelines during designing new buildings.	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No	“Design criteria and minimum requirements” of PWD & Code of practice and book of specification is followed as guidelines during construction phase.	3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting</u>	No		1	1

		work				
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes		2	2

### 5) The PDM Output 5-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes		2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	I was initially involved in the preparation of PWD Training Curriculum.	2	2
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No	Attended a Short Training Course on “Seismic Assessment, Retrofit Design and Construction of RC Buildings”.	2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	Yes	Attended a Short Training Course on “Seismic Assessment, Retrofit Design and Construction of RC Buildings”.	2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		5	5

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	NO		1	1
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	NO	Have experience to observe the assessment work.	2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	YES		3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment	YES		2	2
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	NO		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	NO		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	YES		3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	YES		3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	YES		3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	NO		2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	NO		2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	YES	Have few experience, regarding design guide line.	2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	NO		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	NO		1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	YES	I have seen a test work.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	YES	I have seen the draft copy.	2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	YES		4	4
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	YES		4	4
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	YES	Need feedback.	4	4
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	YES		2	2
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	YES	A few experience.	3	3
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	YES		3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	YES		4	4
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	NO		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	YES		3	3
I.4.10	25-1	Preparation of materials for the training on quality assurance	YES	A few experience.	3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	YES		3	3

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	YES	A few experience.	2	2
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	YES	A few experience.	3	3
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	NO		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	NO		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	NO		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	NO		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	YES		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	YES		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	YES		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	YES		5	5

**Name of the C/P and his/her position: Kazi Md. Firoze Hassan, Executive Engineer, PWD PECU Division, Purta Bhaban, Dhaka**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes		2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes		2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	No		1	1
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	No		1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes		2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes	As an Engineer I had to study different design methods for new buildings. I have the interest to have further study on design methods for new buildings against natural disasters.	2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	Yes	During training program in Japan, I acquire little bit knowledge on retrofitting designing methods.	3	3
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No	Retrofitting and retrofitting methods are new here. I have strong interest in it.	1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public	No		1	1

		buildings against natural disasters				
I.2.8	20, 34	Preparation of design documents including drawing for retrofitting the existing buildings against natural disasters	No		1	1

### 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes	I have observed the concrete cylinder strength test procedure in the laboratory.	2	2
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

### 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	I am involved in preparation of checklist.	3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	Yes	I am involved in preparation of checklist.	3	3
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	Yes	BNBC is usually followed as guidelines during designing for new buildings.	3	3
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	Yes	PWD Book of Specification and Code of Practice are followed as guidelines during construction phase.	3	3
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	Yes	Observed retrofitting works during construction	2	2



**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/workshop for the PWD works to be disseminated to other relevant organizations	Yes	Participated in seminar/workshop under CNCRP.	3	3
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes	As a co-ordinator of PWD Training Academy I am involved in the preparation of PWD Training Curriculum, materials, budget plan and course schedule.	4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4

4<sup>th</sup> year (End line Data)

Individual Aspect (Working Team 5)

**Name of the C/P and his/her position:**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS			2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings			2	2
I.1.3	8	Further study of BNBC for vulnerability assessment			3	3
I.1.4	8	Further study of foreign codes for vulnerability assessment			1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings			1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings			1	1

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters			3	3
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters			2	2
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters			2	2
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters			2	2
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters			2	2
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters			2	2
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters			2	2
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters			2	2

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core			4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works			2	2

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system			3	3
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>			3	3
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>			4	4
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>			3	3
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>			2	2
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>			2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>			2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>			2	2
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>			2	2
I.4.10	25-1	Preparation of materials for the training on quality assurance			3	3
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality			2	2

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations			5	5
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule			5	5
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings			2	2
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters			2	2
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters			1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings			2	2

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.			5	5
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.			5	5
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.			5	5
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.			5	5

**Name of the C/P and his/her position: Rashed Ahsan, Assistant Engineer, PWD Design Div-6, WT-5**

**Format 1: Survey items from the “knowledge” and “skill” aspects: Use the above “Assessment Aspects on 1 to 5 Scale for Format 1” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your experience on every survey item as much as possible in the comment box. The “Work Item Number” corresponds to the item or section number shown in the “Inception Report or Work Plan Report”.**

**1) The PDM Output 1-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.1.1	3, 5, 17, 30	Preparation of inventory for the public buildings using GIS	Yes		2	2
I.1.2	6, 18, 32	Vulnerability assessment of the existing buildings	Yes		2	2
I.1.3	8	Further study of BNBC for vulnerability assessment	Yes		2	2
I.1.4	8	Further study of foreign codes for vulnerability assessment	No		1	1
I.1.5	31-1	Preparation of manual for doing vulnerability assessment of the existing buildings	No		1	1
I.1.6	16, 33	Preparation of roadmap for retrofitting the public buildings	Yes		2	2

**2) The PDM Output 2-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.2.1	8	Further study of BNBC, foreign codes, manuals and other existing literatures related to construction as well as the retrofitting design for the buildings against natural disasters	Yes		2	2
I.2.2	9	Further study of current methods for designing (planning) for <u>new buildings</u> against natural disasters	Yes		3	3
I.2.3	9	Further study of current methods for designing (planning) for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1
I.2.4	10-1	Development of <u>new method</u> for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.5	10-1	Development of <u>new method</u> for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.6	11, 19, 21	Preparation of design manual for <u>designing</u> the public buildings against natural disasters	No		1	1
I.2.7	11, 19, 21	Preparation of design manual for <u>retrofitting</u> the public buildings against natural disasters	No		1	1
I.2.8	20, 34	Preparation of design documents including drawing for <u>retrofitting</u> the existing buildings against natural disasters	No		1	1

## 3) The PDM Output 3-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.3.1	10-1, 10-2	Material test such as strength test of concrete core	Yes		4	4
I.3.2	21, 22-1, 31-2	Preparation of manual for the retrofitting works	No		1	1

## 4) The PDM Output 4-related items

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.4.1	12	Further study of quality assurance system	Yes		2	2
I.4.2	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for new building</u>	No		1	1
I.4.3	12, 24	Preparation of checklist for ensuring quality assurance during <u>construction for new building</u>	No		1	1
I.4.4	12, 24	Preparation of checklist for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.5	12, 24	Preparation of checklist for ensuring quality assurance during the <u>retrofitting work</u>	No		1	1
I.4.6	24	Guidelines for ensuring quality assurance during <u>designing (planning) for new building</u>	No		2	2
I.4.7	24	Guidelines for ensuring quality assurance during <u>construction for new building</u>	No		2	2
I.4.8	24	Guidelines for ensuring quality assurance during <u>designing (planning) for retrofitting</u>	No		1	1
I.4.9	24	Guidelines for ensuring <u>quality assurance during retrofitting work</u>	No		1	1
I.4.10	25-1	Preparation of materials for the training on quality assurance	No		1	1
I.4.11	25-1, 25-2, 35-1, 35-2	Monitoring of the retrofitting works done in order to assure quality	No		1	1

**5) The PDM Output 5-related items**

Code	Work Item No.	Assessment Item	Experience (Yes or No)	Comments	Rating	
					C/P	E
I.5.1	13, 27, 37, 41, 43	Conduct of seminar/ workshop for the PWD works to be disseminated to other relevant organizations	Yes		4	4
I.5.2	26	Preparation of training curriculum, materials, budget plan and schedule	Yes		4	4
I.5.3	26, 36, 40	Lecture on vulnerability assessment of the existing buildings	No		1	1
I.5.4	26, 36, 40	Lecture on designing (planning) of the new public buildings against natural disasters	No		1	1
I.5.5	26, 36, 40	Lecture on designing (planning) of the existing public buildings against natural disasters	No		1	1
I.5.6	26, 36, 40	Lecture on retrofitting work of the existing public buildings	No		1	1

**Format 2: Survey items from the “awareness” aspect: Use the above “Assessment Aspects on 1 to 5 Scale for Format 2” when you rate. Fill your rating in “C/P” of the right side column. And, your comments are very helpful. Please note your thoughts on every survey item as much as possible in the comment box.**

Code	Assessment Item	Experience (Yes or No)	Comments	Rating	
				C/P	E
I.6.1	I am (this C/P is) willing to prepare/ hold the Project-related meetings such as JCC, seminar/workshop.	Yes		4	4
I.6.2	I am (this C/P is) willing to prepare the Project-related reports such as progress report, completion report.	Yes		4	4
I.6.3	I am (this C/P is) willing to do promote public awareness activities on retrofitting of the existing buildings. I am (this C/P is) willing to ask for other related organizations’ cooperation in promotion of such activity.	Yes		4	4
I.6.4	I am (this C/P is) willing to use experience of “C/P training in Japan” for daily work.	Yes		4	4



4<sup>th</sup> year (End line Data)

Organizational Aspect

Code	Indicator		Survey Result			
			Status at the First Survey	Status at the Second Survey	Status at the Third Survey	Status at the Forth Survey
<b>PWD's management</b>						
O.1	PWD's staff	<p>1) Number of the Class 1 staff</p> <p>2) Ratio of the Class 1 staff to all PWD staff</p> <p>3) Number of staff who is engaged in the Project-related activities (i.vulnerability assessment of the existing building using GIS, ii. designing (planning) for new buildings against natural disasters, iii. designing (planning) for retrofitting the existing buildings against natural disasters, iv. supervising/ management of the retrofitting work, v. quality assurance, vi. training management)</p>	<p>1) 667 Persons</p> <p>2) 0.11apx.</p> <p>3) i. Nil ii. 26 persons (Engineers of different level) iii. Nil iv. Nil v. All Executive Engineers posted in field divisions are primarily responsible for quality assurance. vi. Nil (Presently 3 part time officers are on additional charge)</p>	<p>1) 667 Persons, some new post has been created but not filled yet. Total nos of post for Class1 staff is now 823.</p> <p>2) 0.11. Expected 0.147apx (w/823).</p> <p>3) i. Same as 2011 ii. 26 persons (Engineers of different level), another 6 post has been created but not filled yet. iii. same as 2011 iv. same as 2011 v. same as 2011 vi. Nil (Presently 3 part time officers are on additional charge) A proposal for 24 new staff of different levels has been submitted to the Govt.</p>	<p>1) 829 Persons.</p> <p>2) 0.12 apx.</p> <p>3) i. Same as 2012 ii. 32 persons (Engineers of different level. iii. same as 2012 iv. same as 2012 v. same as 2012 vi. 24 persons of different levels are working at training academy.</p>	<p>1) 834 Persons.</p> <p>2) 0.12 apx.</p> <p>3) i. Same as 2013 ii. 32 persons (Engineers of different level. iii. same as 2013 iv. 3 officers of different level is supervising the 'pilot work'. v. same as 2013 vi. same as 2013.</p>

O.2	Coordination	Does PWD coordinate with other related organizations such as MHPW, ERD, DMB, MoFDM, DoA, BUET, BRI, HBRI, other donors in order to achieve the PDM's Overall Goal?	-Yes. Initiative has been taken for this co-ordination with almost all the related organizations.	-Yes. The co-ordination with all the related organization is getting strong.	-Yes. The co-ordination with all the related organization is getting strong.	-Yes. The co-ordination with all the related organization is getting strong.
O.3	Concern of the PWD's top leaders in the Project activities	<p>1) Concern in retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc.</p> <p>2) Concern in issuance of the official license to the engineers completing training programme introduced by the Project</p> <p>3) Concern in the incorporation of the manuals prepared through the Project into the future edition of BNBC</p> <p>4) Future prospect of the retrofitting works being financed by the Bangladesh side</p>	<p>1) Yes. PWD is aware and concerned in retrofitting of public buildings. A 4-year capacity building project has been taken up with JICA Funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM.</p> <p>2) Not much. But, PWD does not have authority to issue such license. PWD can issue certificates to the participants of such trainings, if offered. Final decision maker on this matter is RAJUK, MoHPW.</p> <p>3) Yes. PWD shall try to disseminate the prepared manuals to concerned professionals and incorporate the provisions of the manuals in the future-edition of BNBC. Final decision maker on this matter is HBRI.</p> <p>4) Yes. PWD shall prepare a roadmap for retrofitting of important vulnerable government buildings and submit it to the government for funding. Final decision maker on this matter is MoHPW, Min. of Planning and MoFDM.</p>	<p>1) Same as 2011.</p> <p>2) Same as 2011.</p> <p>3) Same as 2011.</p> <p>4) Same as 2011.</p>	<p>1) Same as 2012.</p> <p>2) Same as 2012.</p> <p>3) Same as 2012.</p> <p>4) Same as 2012.</p>	<p>1) Same as 2013.</p> <p>2) Same as 2013.</p> <p>3) Same as 2013.</p> <p>4) Same as 2013.</p>

<b>PWD's Financial Status</b>						
O.4	Financial Status	1) PWD's income (i. incomes from the government or budget allocated by the Government, ii. business income if any, etc.) 2) PWD's expenditure (i. subcontracting cost, if any, ii. expenditure for retrofitting works, etc.)	1) i. Budget allocated by the Government (For FY 2010-2011)- Tk.15,540.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2010-2011)- Tk.15,540.00 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2011-2012)- Tk.65,884.00 (million) ii. Nil. 2)i. Expenditure-(For FY-2011-2012)- Tk. 65,884.00 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2012-2013)- Tk.71,468.46 (million) ii. Nil. 2)i. Expenditure-(For FY-2012-2013)- Tk.71,468.46 (million) i) Nil. ii) Nil	1) i. Budget allocated by the Government (For FY 2013-2014)- Tk.77364.83(million) ii. Nil. 2)i. Expenditure-(For FY-2013-2014)- Tk.75626.05 (million) i) Nil. ii) Tk. 1.6 (million)
<b>PWD's Equipment and Maintenance</b>						
O.5	Equipment and Maintenance	1) Vehicles, equipment necessary for material test, etc. How much equipment does PWD own? 2) Status of maintenance of the above equipment	1) No vehicle for carrying out testing operation is available. 15 items of equipments for material testing are in the stock of PWD testing laboratory. 2) Have maintenance record.	1) 1 Vehicle for carrying out testing operation is now available. 92 set equipments of 37 items are in stock of PWD testing laboratory. 2) Have maintenance record for some equipment.	1) Same as 2012. 2) Same as 2012.	1) 1 Vehicle for carrying out testing operation is now available. 94 set equipments of 37 items are in stock of PWD testing laboratory. 2) Same as 2013.

PWD's Intellectual Resource						
O.6	Intellectual Resource	1) Volume of building inventory data	1) Not yet undertaken	1) building inventory data of 2020 nos public building of Dhaka city has been taken.	1) Same as 2012.	1) building inventory data of 2193 nos public building of Dhaka city and 251 nos of Sylhet city have been taken.
		2) Vulnerability assessment	2) Not yet undertaken	2) Same as 2011	2) Vulnerability assessment of 32 nos building has been prepared by WT2 of CNCRP project.	2) Vulnerability assessment of 4 nos building has been prepared by WT2 of CNCRP project.
		3) Roadmap for retrofitting	3) Not yet undertaken	3) Same as 2011	3) Same as 2012	3) Same as 2013
		4) Design manual for designing the building against natural disasters	4) BNBC/ACI/IBC is followed	4) Same as 2011	4) BNBC/ACI/IBC is followed but a draft version of design manual has been prepared by WT2	4) Draft version has been submitted to Editorial Advisory Board.
		5) Design manual for retrofitting the building against natural disasters	5) Not yet undertaken	5) Preparation of design manual for retrofitting of building has been started and in process.	5) Same as 2012.	5) Same as 2013.
		6) Design documents for retrofitting	6) Nil	6) A few design documents for retrofitting is collected.	6) Same as 2012.	6) Design Documents for pilot project has been prepared.
		7) Manual for retrofitting works	7) Nil	7) A draft copy of "Guideline for retrofitting works" has been completed.	7) A draft copy of "Guideline for retrofitting works" has been completed and the draft version of 'Manual of retro fitting works' is near to completed.	7) Same as 2013.
		8) Checklist for quality assurance	8) Nil	8) Draft checklist for design has been completed.	8) Draft checklist for design has been completed.	8) Same as 2013.
		9) Judgment guidelines for quality assurance	9) Nil	9) Same as 2011	9) Draft checklist for design has been completed	9) Same as 2013.
		10) Training materials on quality assurance	10) Yes but not adequate	10) Same as 2011	10) Same as 2012	10) Training materials for short course on quality assurance of retrofit work has been prepared by WT4.
		11) Monitoring database for ensuring quality	11) Not adequate	11) Same as 2011	11) Same as 2012	11) Same as 2013.
		12) Training materials for the Project activities to be disseminated to other engineers	12) Nil	12) Same as 2011	12) Training materials for short course on retrofit design has been prepared by WT2 and WT3.	12) Training materials for short course on retrofit design has been prepared by WT2, WT3 and WT4.

4<sup>th</sup> year (End line Data)

Institutional Aspect



Institution						
IS.2	Statements of the PDM's Overall Goal	<p>1) Is any institution on retrofitting of the public buildings including government building, hospital, fire station, school, shelter, etc. established?</p> <p>2) Is any institution on the issuance of license to the engineers completing training programme introduced by the Project established?</p> <p>3) Are any manuals prepared through the Project incorporated into BNBC?</p>	<p>1) No</p> <p>2) No</p> <p>3) No</p>	<p>1) Same as 2011</p> <p>2) Same as 2011</p> <p>3) Same as 2011</p>	<p>1) Same as 2012</p> <p>2) Same as 2012</p> <p>3) Part of draft manuals has been prepared. However, it is not incorporated into BNBC.</p>	<p>1) Same as 2013</p> <p>2) Same as 2013</p> <p>3) Same as 2013</p>
IS.3	Public awareness on retrofitting	Is any institution on promotion of public awareness activities on retrofitting of the existing buildings built?	No	Same as 2011	Same as 2012	Same as 2013