

Roads and Highways Department (RHD)

Preparatory Survey for Dhaka-Chaittagong Highway (N-1) Bridge Construction and Rehabilitation Project Kanchpur Bridge and Meghna-Gomti Bridge

Consultation meeting for disclosure of RAP and EIA policy to the affected people and other stakeholders

Date: 01.8.2012 at 2.30 pm
Venue: Kanchpur Bridge (Chittagong end) Senpara, Sonargaon, Narayanganj

A stakeholder meeting (Second Stage) was held on disclosure of the RAP and EIA policy of the project on the August 01, 2012 at 2.30 pm at Kanchpur bridge Chittagong end (under abutment), Senpara, Sonargaon, Narayanganj. The Meeting was presided over by Mr. Md. Ashraful Alam, Superintending Engineer, Bridge Design Division, RHD. Among others Ms. Rowshanara Khanam, Superintending Engineer, Social and Environment Circle, RHD, Md. Rejaul Karim, Executive Engineer, Bridge Design Division, RHD, Dhaka, Mr. Yoshimitsu Hiyama, JICA expert, RHD, Mr. Joshi o Kimura, Economist, JICA Study Team, Takeo SHOJI Japanese Environmental Specialist of the JICA Study Team, Md. Nahid Muniruddin, Natural Environmental Engineer (Local) and Kh. Khairul Matin Social Environmental Engineer (Local) JICA Study Team and more than 71 local people were present in the meeting (list of the participants attached in Appendix-A).

In the consultation meeting the RAP and EIA policy (mitigation measures of the project impacts) were disclosed to the affected people using flip chart. The affected people were informed about the meeting through publishing in the newspaper, personal contact from Union leaders verbally, announcement in the mosque, etc. The issues disclosed in the meeting were project components and revised alignment by which some people who were registered by previous census as affected people, become as not affected, cut off-date declared during the survey (informed as finally revised to 16th March from 08th March 2012), Methodologies adopted during survey, findings of the survey, entitlement matrix as prescribed in the RAP, Grievance redress mechanism, compensation payment procedure, relocation requirements & options, timeline of relocation after payment of compensation, etc. The findings of the environmental survey and proposed mitigation measures of any adverse impacts were also disclosed in the meeting.

Mr. Md. Ashraful Alam, Superintending Engineer welcomed all participants in the discussion session and described the project including its different components. It was disclosed that the Japan Bank for International Cooperation (JICA) will finance the project.

The following issues were disclosed in the meeting

- a. The new bridge will be constructed parallel to the existing bridge within 30 meter to the downstream.
- b. No new land acquisition will be required for any components of this project. All of the project activities will be done in RHD land.
- c. Cut-off date of the census survey was 08 March 2012. It was declared in the first stage consultation meeting.

- d. Methodologies of the survey such as census and socioeconomic survey, inventory of affected assets, video filming and sketch mapping of all affected structures and other properties
- e. Findings of the survey and impact of the project
- f. Compensation package as prescribed in the RAP was also disclosed in the meeting as follows-
 - i. Replacement value of the affected structures, trees and other assets
 - ii. Transfer grants and re-installation grants for structure
 - iii. Grants for alternative housing
 - iv. Grants for loss of business
 - v. Moving assistance for tenants businessmen
 - vi. Grants for vulnerable households
 - vii. Grants for female headed households
 - viii. Grants for wage earners
 - ix. Training on income generating activities for eligible members of vulnerable HHs
 - x. Owners will be allowed to take all salvaged materials free of cost
 - xi. Eligible affected persons will be preferentially employed in civil construction
- g. Grievance redress mechanism and right to submit grievances to the Grievance Redress Committee
- h. Compensation payment procedure and role of PAPs, IA and RHD in making payment



Disclosure meeting at Kanchpur Bridge location

Regarding Environmental impacts and mitigation measures, the Environmental Specialist explained that about 27 major environmental and social concerns have been identified in this project and accordingly mitigation measures have been proposed. It was discussed that the impacts are broadly classified into following 4 categories that will be faced during preconstruction, construction and operation stage:

- Social Environment
- Natural Environment
- Ecological Environment
- Environmental Pollution

The Social Specialist has explained impacts on social environment. The Environmental Specialist explained the impacts on natural and ecological environment and environmental pollution.

Environmental Impact/Issue	Mitigation Measures
• Cultural Heritage	No mitigation measures are required
• Accident	<ul style="list-style-type: none"> • Follow BRTA rules and Regulations • Preparation of Health and Safety Management Plan (HSMP) including prevention of traffic accidents
• River Erosion and Siltation	• Construction of sheet pile steel pipe foundation to encounter scouring
• River Transport	<ul style="list-style-type: none"> • Follow BIWTA navigation rules and regulations • River Traffic control and ensure lighting device
• Hydrology	Not required
• Biota and ecosystem	<ul style="list-style-type: none"> • Prohibit leaking of oils from construction vessels including of emergency removal system of leaked oils • Plantation of 3 times of trees to be cut; Tree planting will be carried out through the RHD Tree-planting Unit, in conformity with their existing guidelines
• Global Warming	• No mitigation measures are required
• Air Pollution	• Implement dust suppress plan and routine mitigation measure shall be taken to emitting equipments during construction
• Surface and Ground Water Pollution	<ul style="list-style-type: none"> • Increase retention time of the outflow hydraulic fills to increase sedimentation, thus, reduce sediment load to the river • Removal of Arsenic from newly constructed Wells
• Soil pollution	• Oil storage shall be with concrete floor and oil fence
• Waste	<ul style="list-style-type: none"> • Contractor will be required to facilitate proper reuse and disposal plan, and manage the construction waste • Dumping of waste at approved dumping sites
• Noise and Vibrations	<ul style="list-style-type: none"> • Enforce noise emission standards • Regulate the construction process • Install barrier if required
• Ground Subsidence	• No action required
• Offensive Odor	Proper treatment of camp waste and proper maintenance of heavy equipment etc
• Bottom sediment	Treatment of liquid waste before discharged
• Landscape	Vegetation of the slope surface of embankment

After disclosing the policy of the RAP and EIA the participants were requested to put comments or question on the project policy. The affected people raised some questions about the policy and impact mitigation measures. All of the questions were on resettlement and compensation issues. There were no questions raised on the environmental issues.

It is noted that most of the affected residents agreed with monetary compensation (self relocation)

Details of the questions and answers are presented below-



The Meeting was closed with a vote of thanks from the Chair.

Appendix-A: Attendance Sheet

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Preparatory Survey for Ohaka-Chittagong National Highway (H-1) Bridge Construction and
Rehabilitation Project Kanchpur, Meghna and Guwah Bridge

সভায় উপস্থিত ব্যক্তিদের তালিকা
(Attendance Sheet)

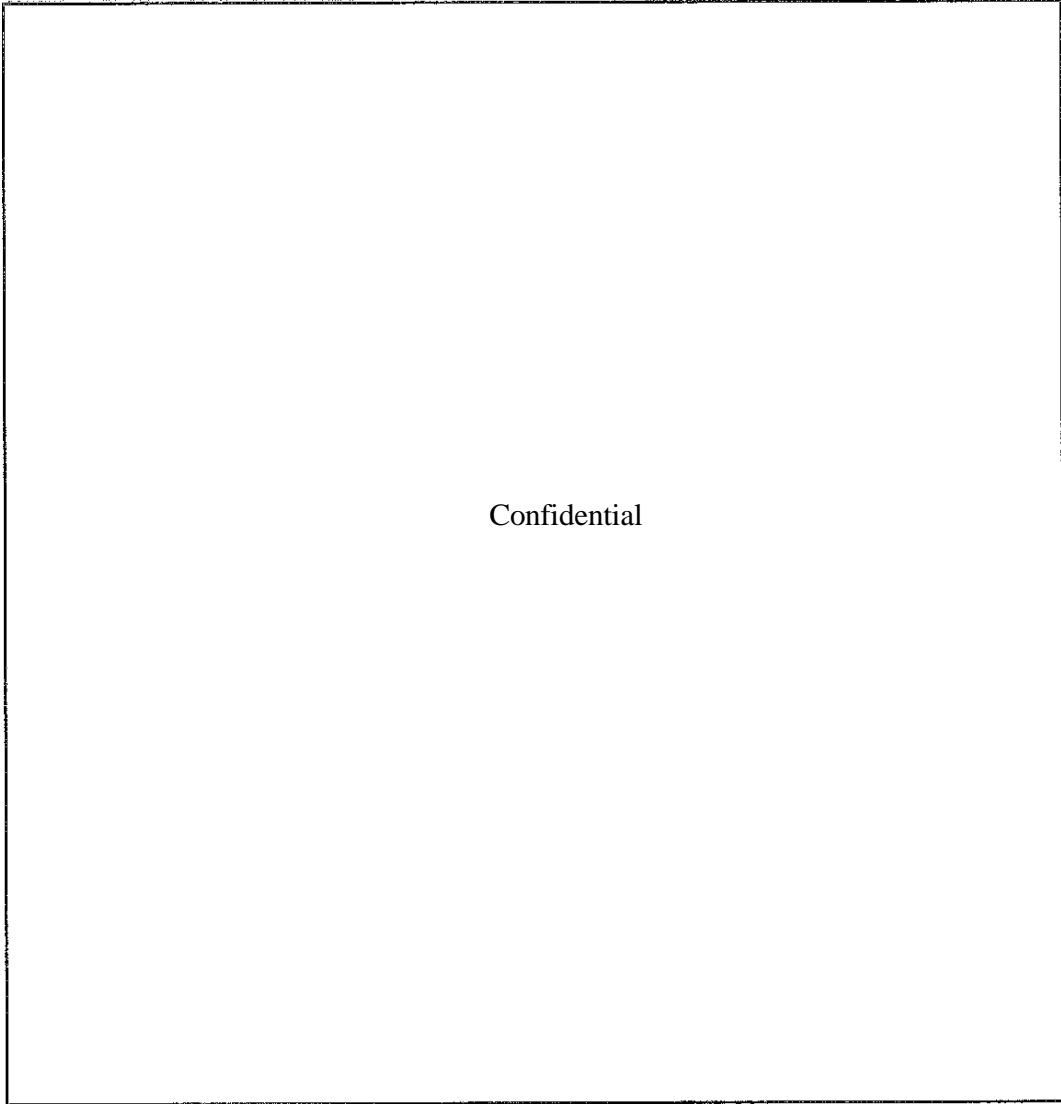
তারিখ: ২০০৮/০৮/০৮

সংখ্যা: ০২/০৬/০০২-১৮

সভার স্থান: কচপুর ব্রিজের ওপর
সি.এম.ও. কার্যালয়

সময়: ১০:৩০-১২:৩০

সভার প্রধান: [স্বাক্ষর]



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Preparatory Survey for Dhaka-Chittagong National Highway (N-1) Bridge Construction and
Rehabilitation Project Kanchpur, Megha and Gomti Bridge

সভার উপস্থিতি তালিকা
(Attendance Sheet)

সভার সূচনা

সভার সমাপ্তি

তারিখ ০৩/০৯/২০১৮

স্বাক্ষর (স্বাক্ষর)

স্বাক্ষর (স্বাক্ষর)

Confidential

Preparatory Survey for Osaka Chittagong National Highway (N-1) Bridge Construction and
Rehabilitation Project Kanchpur, Meghna and Gurni Bridge

সভার উপস্থিতি তালিকা
Attendance Sheet

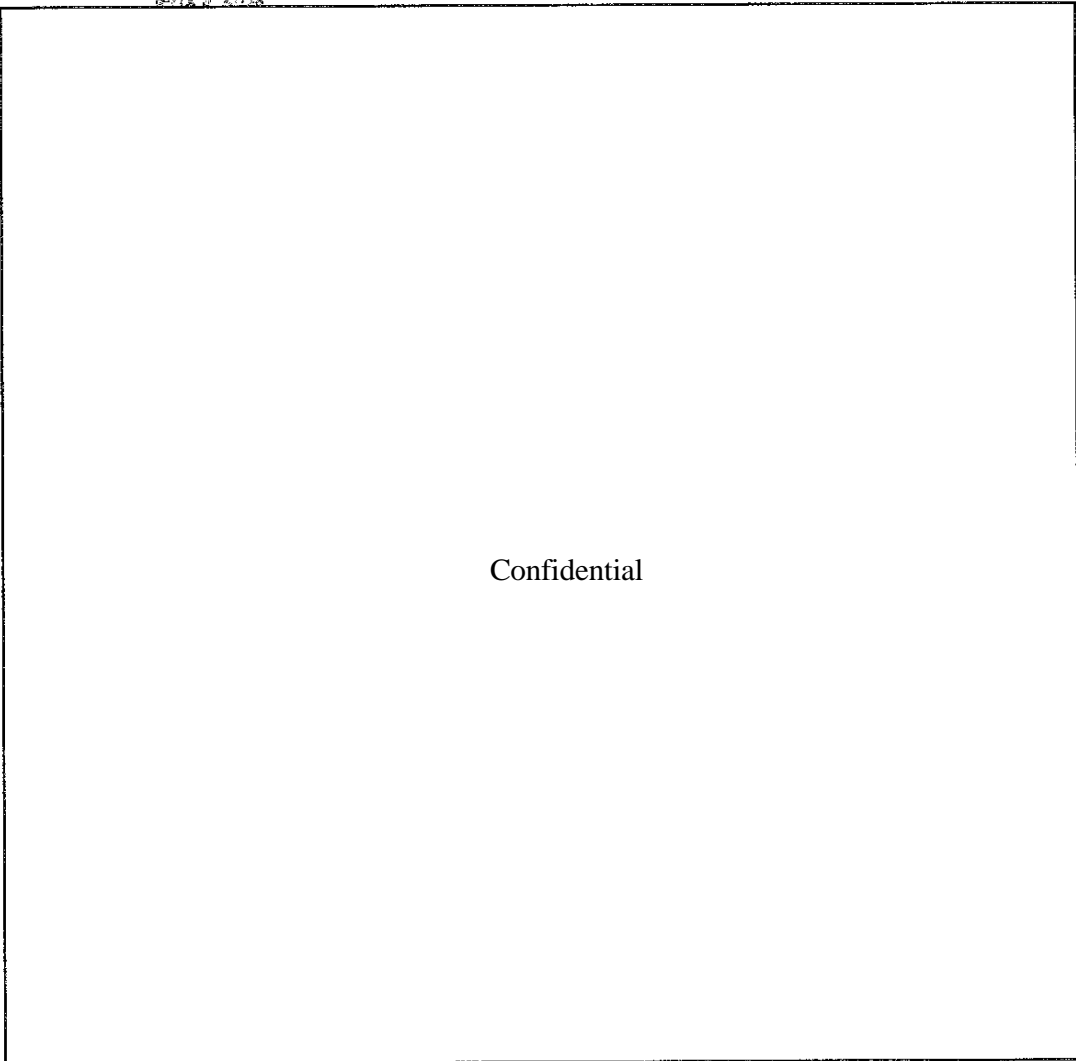
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তারিখ: ০২/০৮/২০২২ খ্রি.

সভার প্রধান: "ডাঃ মোঃ মোস্তাফিজুর রহমান"
সিনিয়র সহকারী প্রকৌশলী

উপস্থিত: মোঃ মাসুদ

সভার প্রধান: "ডাঃ মোঃ মোস্তাফিজুর রহমান"



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Preparatory Survey for Dhaka-Chattogram National Highway (N-1) Bridge Construction and
Renovation Project Kanchpur, Meghna and Gumbi Bridge

অসম উপস্থিতি তালিকা (Attendance Sheet)

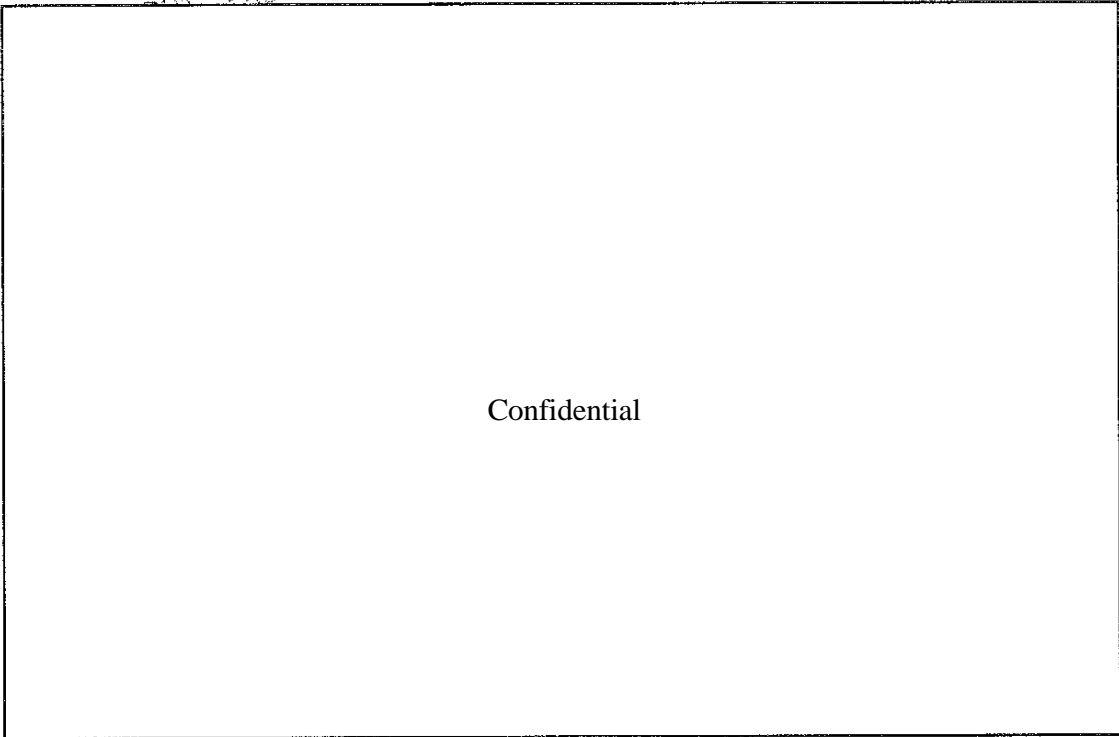
নাম: [Name]

তাৰিখ: ০২/১৬/০২

স্বাক্ষৰ: [Signature]

প্ৰকল্প মন্তব্য: [Comments]

স্বাক্ষৰ: [Signature]



Roads and Highways Department (RHD)

Preparatory Survey for Dhaka-Chaittagong Highway (N-1) Bridge Construction and Rehabilitation Project Kanchpur Bridge and Meghna-Gomti Bridge

Consultation meeting for disclosure of RAP and EIA policy to the affected people and other stakeholders

Date: 01.8.2012 at 12.00 pm
Venue: Meghna Bridge (Chittagong end)
Baluakandi, Gozaria, Munshiganj

A stakeholder meeting (Second Stage) was held on disclosure of the RAP and EIA policy of the project on the August 01, 2012 at 12.00 pm at Meghna bridge Chittagong end (RHD Building), Baluakandi, Gozaria, Munshiganj. The Meeting was presided over by Ms. Rowshanara Khanom, Superintending Engineer, Social and Environment Circle, RHD. Among others, Mr. Md. Ashraful Alam, Superintending Engineer, Bridge Design Division, RHD, Md. Rejaul Karim, Executive Engineer, Bridge Design Division, RHD, Dhaka, Mr. Yoshimitsu Hiyama, JICA expert, RHD, Mr. Joshio Kimura, Economist, JICA Study Team, Takeo SHOJI Japanese Environmental Specialist of the JICA Study Team, Md. Nahid Munirud din, Natural Environmental Engineer (Local) and Kh. Khairul Matin Social Environmental Engineer (Local) JICA Study Team. Md. Shamsuddin Pradhan (Chairman Baluakandi Union Parishad and Mr. Rafiqul Islam (Chairman Pirojpur Union Parishad) were also present in the meeting. A total of 18 affected people were present in the meeting (list of the participants attached in Appendix-A).

In the consultation meeting the RAP and EIA policy (project Impacts and mitigation measures) were disclosed to the affected people using flip chart. The affected people were informed about the meeting through publishing in the newspaper, personal contact, announcement in the mosque, miking, etc. The issues disclosed in the meeting were project components and alignment, cut off-date declared during the survey (15 March 2012), Methodologies adopted during survey, findings of the survey, entitlement matrix as prescribed in the RAP, Grievance redress mechanism, compensation payment procedure, relocation requirements & options, timeline of relocation after payment of compensation, etc. The findings of the environmental survey and proposed mitigation measures of any adverse impacts were also disclosed in the meeting.

Ms. Rowshanara Khanom, Superintending Engineer welcomed all participants in the discussion session and described the project including its different components. It was disclosed that the Japan Bank for International Cooperation (JICA) will finance the project.

The following issues were disclosed in the meeting

- a. The new bridge will be constructed parallel to the existing bridge within 30 meter to the upstream. In this regards 10 meter area will be required within HOLCIM Cement Industries boundary at Dhaka end.
- b. No new land acquisition will be required for any components of this project. All of the project activities will be done in RHD land.

- c. Cut-off date of the census survey was 15 March 2012. It was also declared in the first stage consultation meeting.
- d. Methodologies of the survey such as census and socioeconomic survey, inventory of affected assets, video filming and sketch mapping of all affected structures and other properties
- e. Findings of the survey and impact of the project
- f. Compensation package as prescribed in the RAP was also disclosed in the meeting as follows-
 - i. Replacement value of the affected structures, trees and other assets
 - ii. Transfer grants and re-installation grants for structure
 - iii. Grants for alternative housing
 - iv. Grants for loss of business
 - v. Moving assistance for tenants businessmen
 - vi. Grants for vulnerable households
 - vii. Grants for female headed households
 - viii. Grants for wage earners
 - ix. Training on income generating activities for eligible members of vulnerable HHs
 - x. Owners will be allowed to take all salvaged materials free of cost
 - xi. Eligible affected persons will be preferentially employed in civil construction,
- g. Grievance redress mechanism and right to submit grievances to the Grievance Redress Committee
- h. Compensation payment procedure and role of PAPs, IA and RHD in making payment



Disclosure meeting at Meghna Bridge location

Regarding Environmental impacts and mitigation measures, the Environmental Specialist explained that about 27 major environmental and social concerns have identified in this project and accordingly mitigation measures have been proposed. It was discussed that the impacts are broadly classified into following 4 categories that will be faced during preconstruction, construction and operation stage:

- Social Environment
- Natural Environment
- Ecological Environment
- Environmental Pollution

The Social Specialist has explained impacts on social environment. The Environmental Specialist explained the impacts on natural and ecological environment and environmental pollution.

Environmental Impact/Issue	Mitigation Measures
• Cultural Heritage	No mitigation measures are required
• Accident	<ul style="list-style-type: none"> • Follow BRTA rules and Regulations • Preparation of Health and Safety Management Plan (HSMP) including prevention of traffic accidents
• River Erosion and Siltation	• Construction of sheet pile steel pipe foundation to encounter scouring
• River Transport	<ul style="list-style-type: none"> • Follow BIWTA navigation rules and regulations • River Traffic control and ensure lighting device
• Hydrology	Not required
• Biota and ecosystem	<ul style="list-style-type: none"> • Prohibit leaking of oils from construction vessels including of emergency removal system of leaked oils • Plantation of 3 times of trees to be cut; Tree planting will be carried out through the RHD Tree-planting Unit, in conformity with their existing guidelines
• Global Warming	• No mitigation measures are required
• Air Pollution	• Implement dust suppress plan and routine mitigation measure shall be taken to emitting equipments during construction
• Surface and Ground Water Pollution	<ul style="list-style-type: none"> • Increase retention time of the outflow hydraulic fills to increase sedimentation, thus, reduce sediment load to the river • Removal of Arsenic from newly constructed Wells
• Soil pollution	• Oil storage shall be with concrete floor and oil fence
• Waste	<ul style="list-style-type: none"> • Contractor will be required to facilitate proper reuse and disposal plan, and manage the construction waste • Dumping of waste at approved dumping sites
• Noise and Vibrations	<ul style="list-style-type: none"> • Enforce noise emission standards • Regulate the construction process • Install barrier if required
• Ground Subsidence	• No action required
• Offensive Odor	• Proper treatment of camp waste and proper maintenance of heavy equipment etc
• Bottom sediment	• Treatment of liquid waste before discharged
• Landscape	• Vegetation of the slope surface of embankment

After disclosing of the RAP and EIA policy the participants were requested to put comments or question on the policy. The local Union

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The meeting was closed with a vote of thanks from the chair.

Appendix-A:Attendance Sheet

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Preliminary Survey for Dhaka-Chittagong National Highway (N-1) Bridge Construction and
Rehabilitation Project (Manchpur, Mughna and Guntli Bridge)

সভার উপস্থিতি তালিকা (Attendance Sheet)

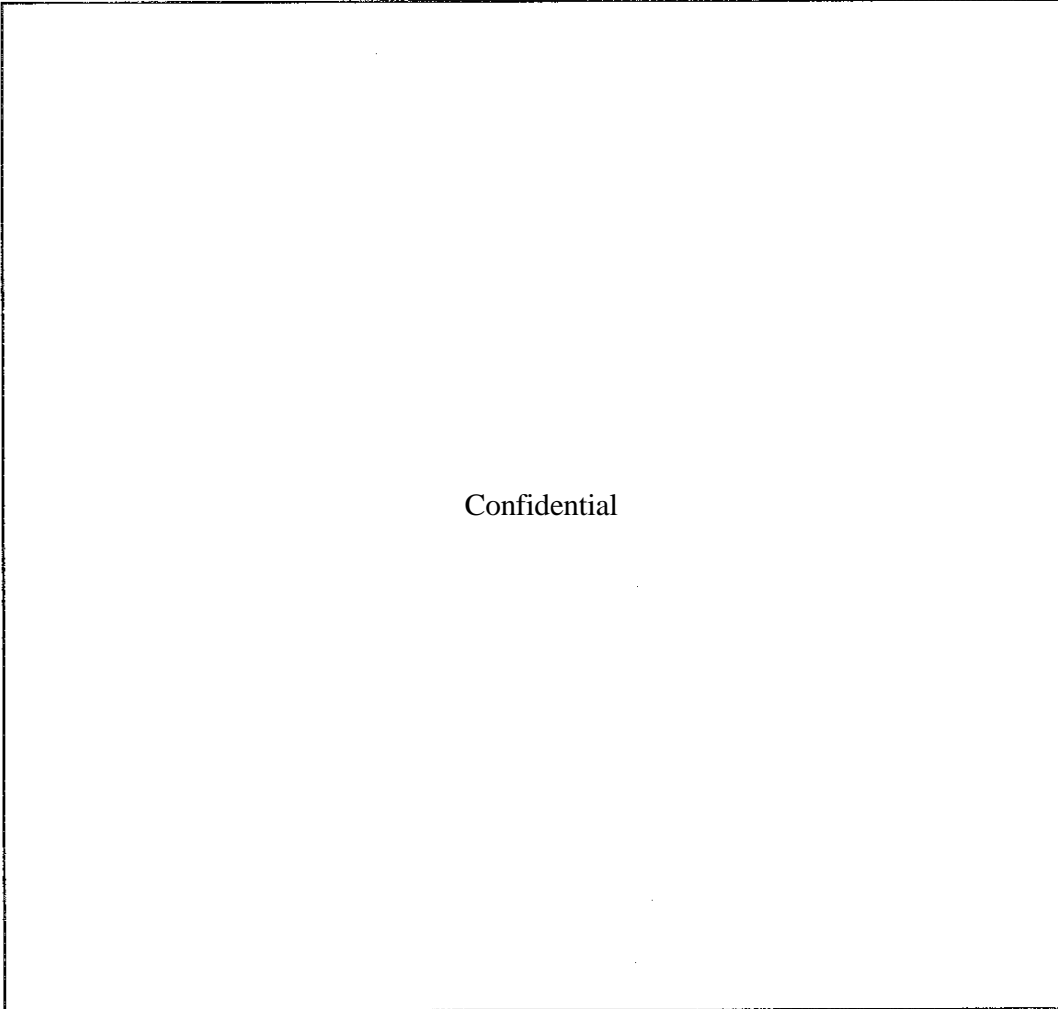
নাম (Name)

স্বাক্ষর (Signature)

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Roads and Highways Department (RHD)

Preparatory Survey for Dhaka-Chaittagong Highway (N-1) Bridge Construction and Rehabilitation Project Kanchpur Bridge and Meghna-Gomti Bridge

Consultation meeting for disclosure of RAP and EIA policy to the affected people and other stakeholders

Date : 01.8.2012 at 10.00 am
Venue : Gumti Bridge (Chittagong end) Doudkandi, Comilla

A stakeholder meeting (Second Stage) was held on disclosure of the RAP and EIA policy of the project on the 1st August 2012 at 10.00 am at Gumti bridge Chittagong end (under abutment), Doudkandi, Comilla. The Meeting was presided over by Mr. Md. Ashraf Alam, Superintending Engineer, Bridge Design Division, RHD. Among others Ms. Rowshanara Khanam, Superintending Engineer, Social and Environment Circle, RHD, Mr. Md. Rejaul Karim, Executive Engineer, Bridge Design Division, RHD, Dhaka, Mr. Yoshimitsu Hiyama, JICA expert, RHD, Mr. Joshio Kimura, Economist, JICA Study Team, Mr. Takeo SHOJI, Japanese Environmental Specialist of the JICA Study Team, Mr. Abu Nahid Muniruddin, Natural Environmental Engineer (Local) and Kh. Khairul Matin Social Environmental Engineer (Local) JICA Study Team and more than 30 local people were present in the meeting (list of the participants attached in Appendix-A).

In the consultation meeting the RAP and EIA policy (mitigation measures of the project impacts) were disclosed to the affected people using flip chart. The affected people were informed about the meeting through publishing in the newspaper, personal contact, announcement in the mosque, etc. The issues disclosed in the meeting were project components and alignment, cut off-date declared during the survey (15 March 2012), Methodologies adopted for conducting survey, findings of the survey, entitlement matrix as prescribed in the RAP, Grievance redress mechanism, compensation payment procedure, relocation requirements & options, timeline of relocation after payment of compensation, etc. The findings of the environmental survey and proposed mitigation measures of any adverse impacts were also disclosed in the meeting.

Mr. Md. Ashraf Alam, Superintending Engineer welcomed all participants in the discussion session and described the project including its different components. It was disclosed that the Japan Bank for International Cooperation (JICA) will finance the project.

The following issues were disclosed in the meeting

- a. The new bridge will be constructed parallel to the existing bridge within 30 meter to the downstream.
- b. No new land acquisition will be required for any components of this project. All of the project activities will be done in RHD land.
- c. Cut-off date of the census survey was 15 March 2012. It was declared in the first stage consultation meeting.

- d. Methodologies of the survey such as census and socioeconomic survey, inventory of affected assets, video filming and sketch mapping of all affected structures and other properties
- e. Findings of the survey and impact of the project
- f. Compensation package as prescribed in the RAP was also disclosed in the meeting as follows-
 - i. Replacement value of the affected structures, trees and other assets
 - ii. Transfer grants and re-installation grants for structure
 - iii. Grants for alternative housing
 - iv. Grants for loss of business
 - v. Moving assistance for tenants businessmen
 - vi. Grants for vulnerable households
 - vii. Grants for female headed households
 - viii. Grants for wage earners
 - ix. Training on income generating activities for eligible members of vulnerable HHs
 - x. Owners will be allowed to take all salvaged materials free of cost
 - xi. Eligible affected people will be preferentially employed in civil work
- g. Grievance redress mechanism and right to submit grievances to the Grievance Redress Committee
- h. Compensation payment procedure and role of PAPs, IA and RHD in making payment



Disclosure meeting at Gumti Bridge location

Regarding Environmental impacts and mitigation measures, the Environmental Specialist explained that that about 27 major environmental and social concerns have identified in this project and accordingly mitigation measures have been proposed. It was discussed that the impacts are broadly classified into following 4 categories that will be faced during preconstruction, construction and operation stage:

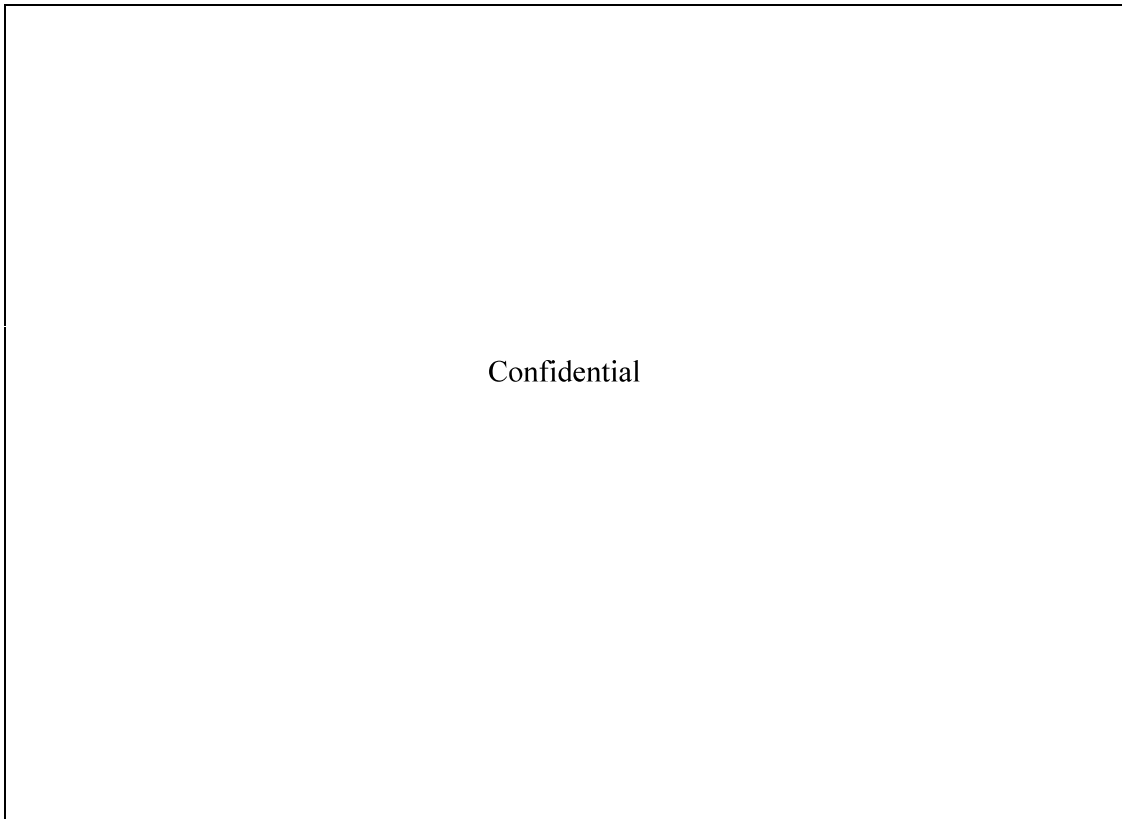
- Social Environment
- Natural Environment
- Ecological Environment
- Environmental Pollution

The Social Specialist has explained impacts on social environment. The Environmental Specialist explained the impacts on natural and ecological environment and environmental pollution.

Environmental Impact/Issue	Mitigation Measures
• Cultural Heritage	No mitigation measures are required
• Accident	<ul style="list-style-type: none"> • Follow BRTA rules and Regulations • Preparation of Health and Safety Management Plan (HSMP) including prevention of traffic accidents
• River Erosion and Siltation	• Construction of sheet pile steel pipe foundation to enclose scouring
• River Transport	<ul style="list-style-type: none"> • Follow BIWTA navigation rules and regulations • River Traffic control and ensure lighting device
• Hydrology	Not required
• Biota and ecosystem	<ul style="list-style-type: none"> • Prohibit leaking of oils from construction vessels including of emergency removal system of leaked oils • Plantation of 3 times of trees to be cut down; Tree planting will be carried out through the RHD Tree-planting Unit, in conformity with their existing guidelines
• Global Warming	• No mitigation measures are required
• Air Pollution	• Implement dust suppress plan and routine mitigation measure shall be taken to emitting equipments during construction
• Surface and Ground Water Pollution	<ul style="list-style-type: none"> • Increase retention time of the outflow hydraulic fills to increase sedimentation, thus, reduce sediment load to the river • Removal of Arsenic from newly constructed Wells
• Soil pollution	• Oil storage shall be with concrete floor and oil fence
• Waste	<ul style="list-style-type: none"> • Contractor will be required to facilitate proper reuse and disposal plan, and manage the construction waste • Dumping of waste at approved dumping sites
• Noise and Vibrations	<ul style="list-style-type: none"> • Enforce noise emission standards • Regulate the construction process • Install barrier if required
• Ground Subsidence	• No action required
• Offensive Odor	• Proper treatment of camp waste and proper maintenance of heavy equipment etc
• Bottom sediment	• Treatment of liquid waste before discharged
• Landscape	• Vegetation of the slope surface of embankment

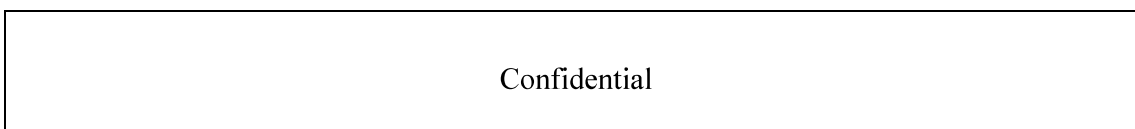
After disclosure of the RAP and EIA policy the participants were requested to raise comments/questions on the policy. At least 3 affected people raised their voices on the compensation payment process and project facilities

The issues so far raised by the participants are presented below-



The meeting was closed with a vote of thanks from the chair.

Appendix-A: Attendance Sheet



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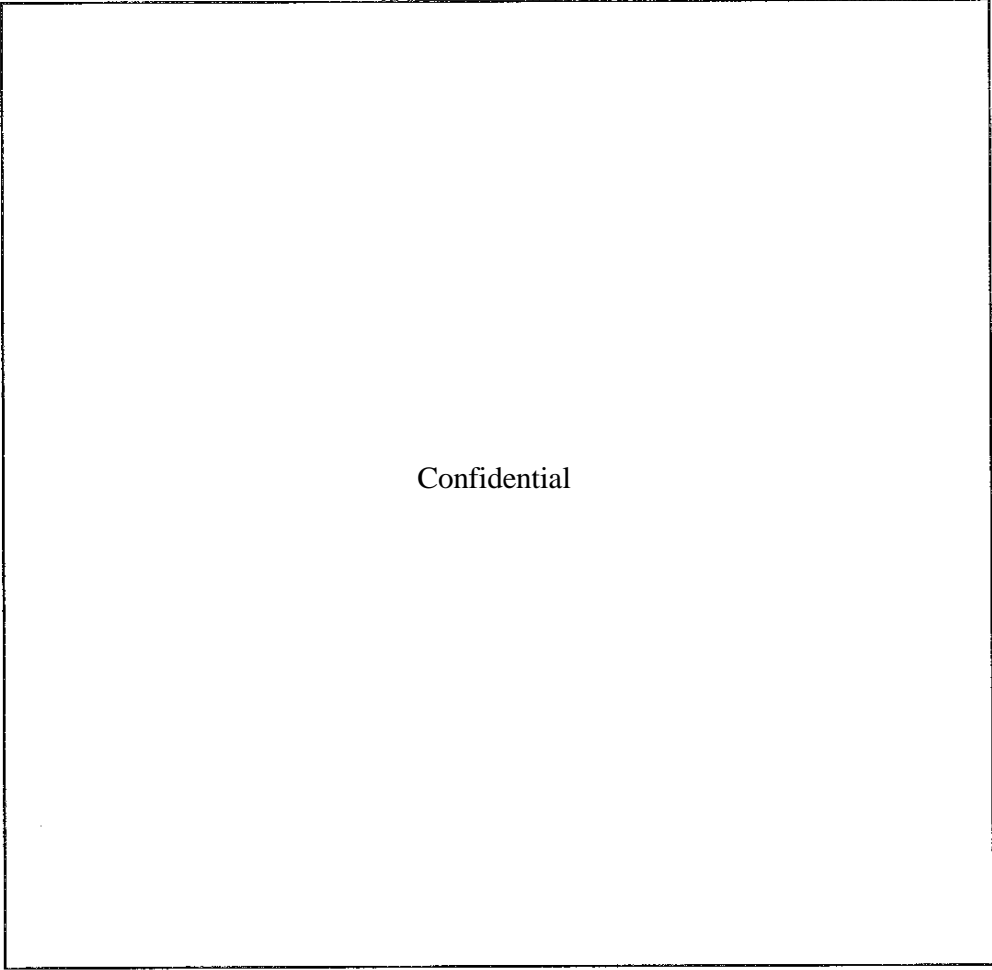
Preparatory Survey for GJARA-Distrajong National Highway (N-1) Bridge Construction and
Rehabilitation Project Kathapur, Meghna and Guroi Bridge

নগর বসন্তের জন্য নগর
, Attendance Sheet.

নগর বসন্তের জন্য -

নগর ০২/০৪/০২২

নগর বসন্তের জন্য নগর, নগর বসন্তের জন্য, নগর বসন্তের জন্য



Confidential

Preparatory Survey for Dhaka-Chattogram National Highway (N-1) Bridge Construction and
Rehabilitation Project (Kandapur, Magura and Gauri Bridge)

সভার উপস্থিতি তালিকা (Attendance Sheet)

নাম: [Handwritten Name]

তারিখ: ০২/০৬/১৯

স্বাক্ষর: [Handwritten Signature]

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