

KEY PLAN (N.T.S.)

NOTES:
 1. ALL DIMENSIONS & LEVELS ARE IN METERS

LEGEND:-

- 1. PROPOSED
- 2. EXISTING FACILITY NEEDING UPGRADATION / MODIFICATION
- 3. EXISTING EQUIPMENT / STRUCTURE NOT REQUIRING ANY CHANGE

REFERENCE DRAWING:
 REFER DRAWING NO. LUKER GANJ PUMPING STATION (ALD-PS-B-LG-2)

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: D SARKAR
APPROVED BY: A G SIRCAR

DRAWN: S.K.BENIWAL
SCALE: 1:250

DESIGNED: S SEN
DATE: 18-01-05

SURVEYED: S.Sharma

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

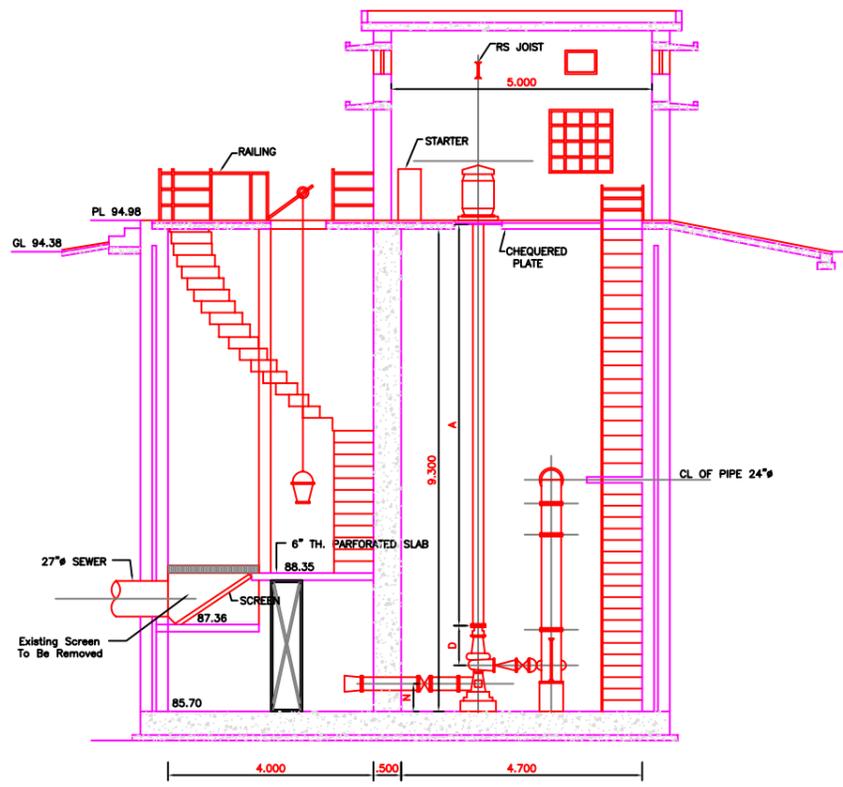
CORRIDOR: District : B
 LUKER GANJ PUMPING STATION (EXISTING) (1/3)

SHEET CONTENTS:
 LAYOUT & GENERAL ARRANGEMENT OF EXISTING PUMPING STATION & PROPOSED AUGMENTATION

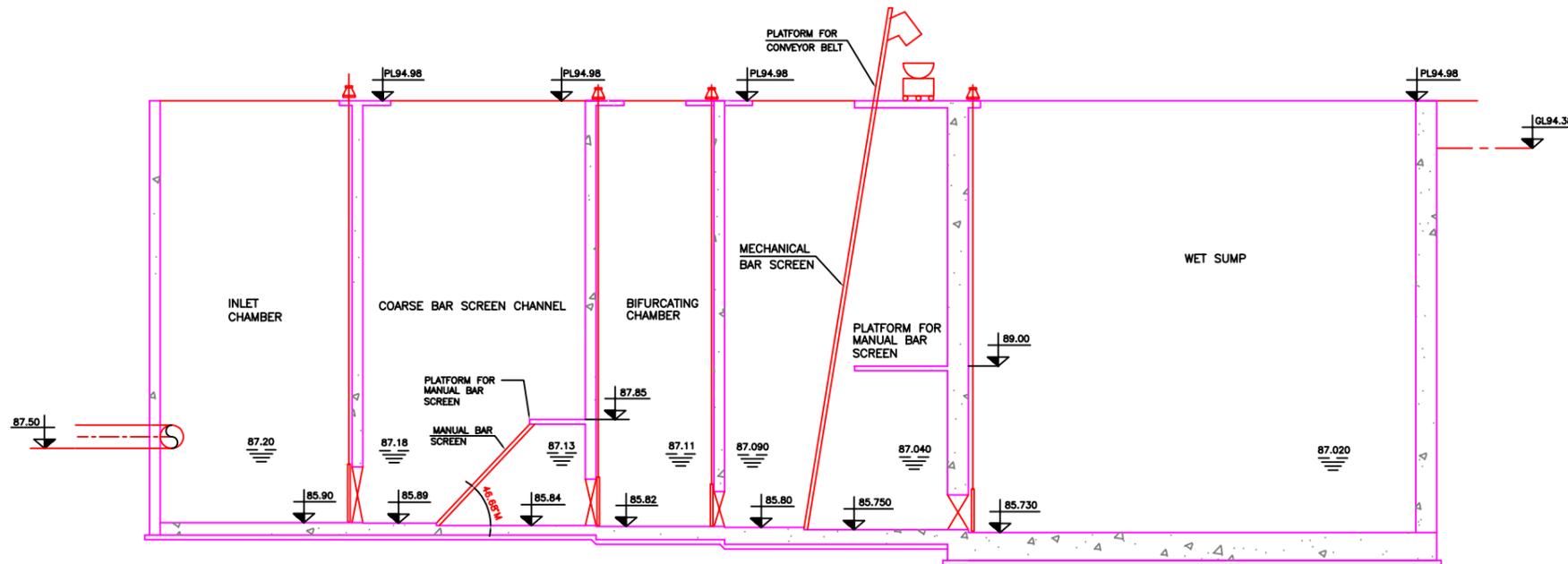
DRAWING NO. ALD-PS-B-LG-1	SHT. NO. 118
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Bench Mark N 14
 On Pillar
 RL 95.392 m

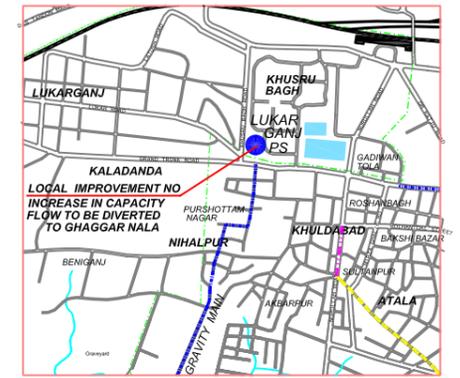
PLAN



SECTION A-B
(SECTION EXISTING PUMP HOUSE)



SECTION C-D
(HYDRAULIC FLOW DIAGRAM FOR PROPOSED AUGMENTATION)



KEY PLAN (N.T.S.)

NOTES:

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LEGEND:-

- 1. PROPOSED
- 2. EXISTING FACILITY NEEDING UPGRADATION / MODIFICATION
- 3. EXISTING EQUIPMENT / STRUCTURE NOT REQUIRING ANY CHANGE

REFERENCE DRAWING:
REFER DRAWING NO. LUKER GANJ PUMPING STATION (ALD-PS-B-LG-1)

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: D SARKAR		APPROVED BY: A G SIRCAR	
DRAWN S.SEN	CHECK S.K.BENIWAL	SCALE 1:250	APPROVE
SURVEYED S.Sharma	DATE 18-01-05		

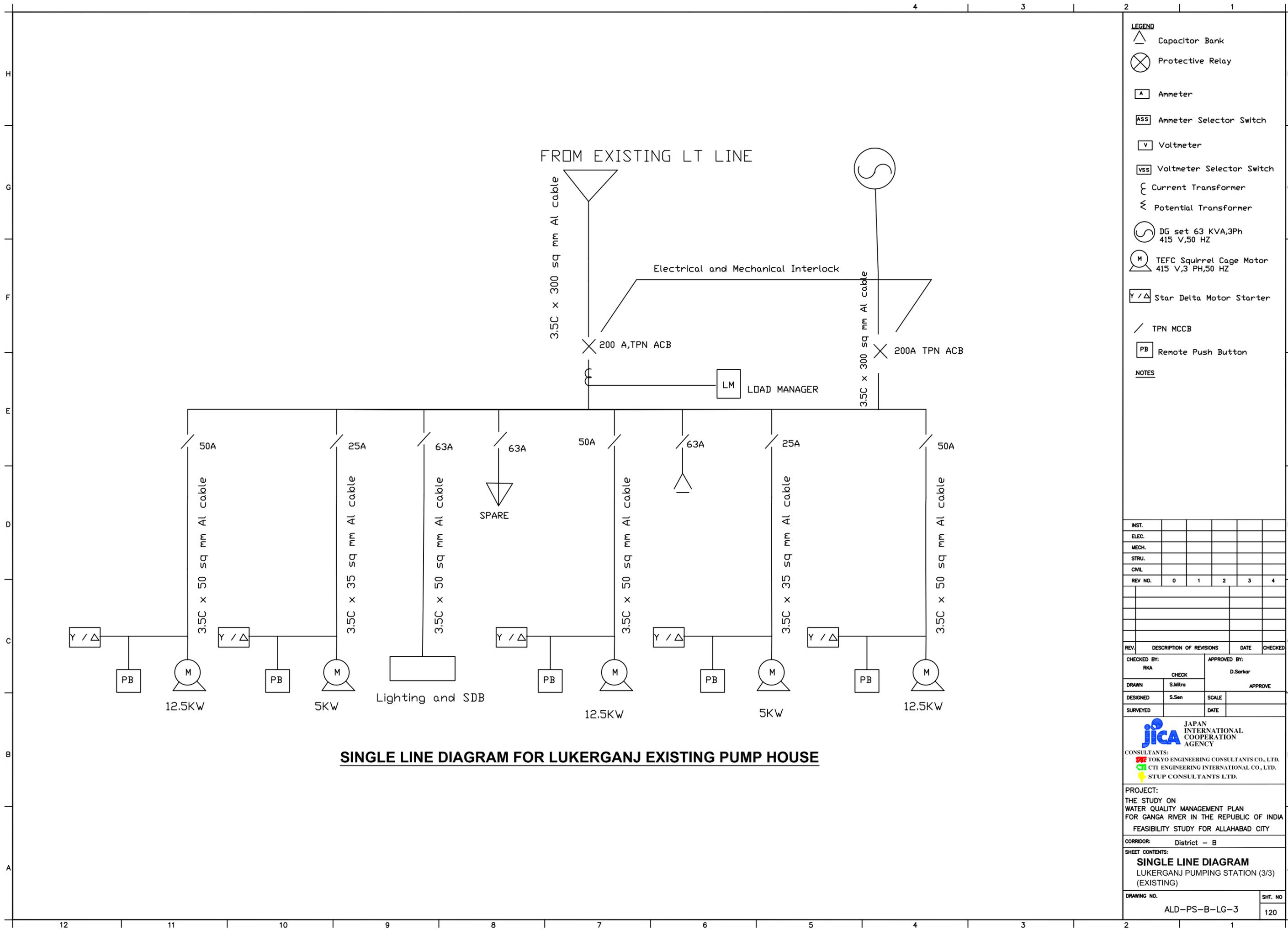
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District : B
LUKER GANJ PUMPING STATION (EXISTING) (2/3)

SHEET CONTENTS:
HYDRAULIC FLOW DIAGRAM

DRAWING NO. ALD-PS-B-LG-2 SHT. NO. 119



SINGLE LINE DIAGRAM FOR LUKERGANJ EXISTING PUMP HOUSE

- LEGEND**
- Capacitor Bank
 - Protective Relay
 - Ammeter
 - Ammeter Selector Switch
 - Voltmeter
 - Voltmeter Selector Switch
 - Current Transformer
 - Potential Transformer
 - DG set 63 KVA,3Ph
415 V,50 HZ
 - TEFC Squirrel Cage Motor
415 V,3 PH,50 HZ
 - Star Delta Motor Starter
 - TPN MCCB
 - Remote Push Button

NOTES

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	RKA	CHECK	APPROVED BY: D.Sarkar
DRAWN	S.Mitra	SCALE	APPROVE
DESIGNED	S.Sen	SCALE	
SURVEYED		DATE	

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

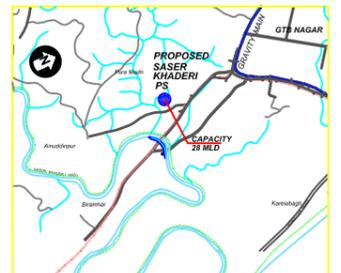
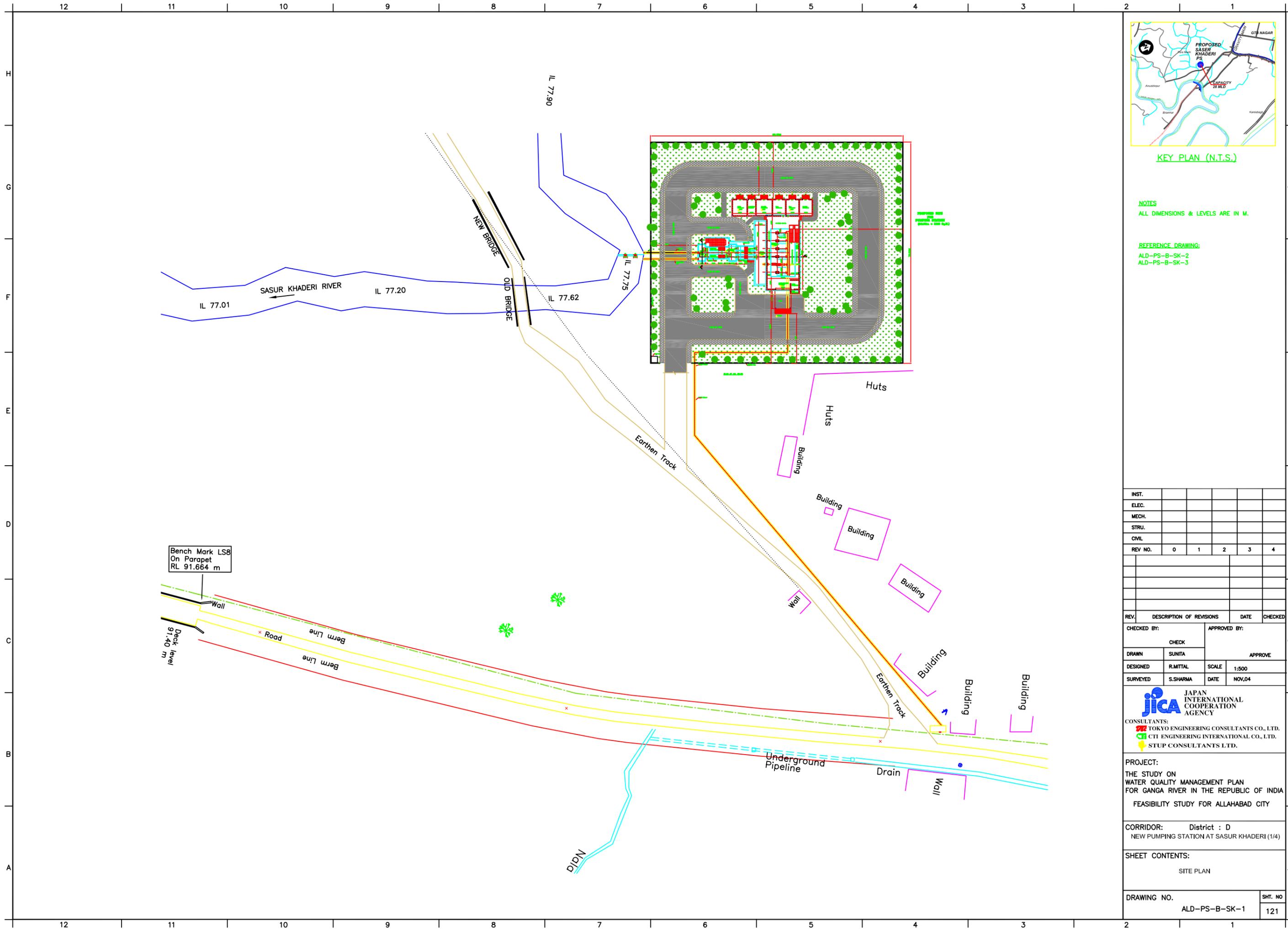
- TOKYO ENGINEERING CONSULTANTS CO., LTD.
- CEI ENGINEERING INTERNATIONAL CO., LTD.
- STUP CONSULTANTS LTD.

PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - B

SHEET CONTENTS:
SINGLE LINE DIAGRAM
LUKERGANJ PUMPING STATION (3/3)
(EXISTING)

DRAWING NO.	SHT. NO.
ALD-PS-B-LG-3	120



KEY PLAN (N.T.S.)

NOTES
ALL DIMENSIONS & LEVELS ARE IN M.

REFERENCE DRAWING:
ALD-PS-B-SK-2
ALD-PS-B-SK-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4
REV.	DESCRIPTION OF REVISIONS			DATE	CHECKED
CHECKED BY:			APPROVED BY:		
DRAWN: SUNITA			APPROVE:		
DESIGNED: R.MITTAI			SCALE: 1:500		
SURVEYED: S.SHARMA			DATE: NOV,04		

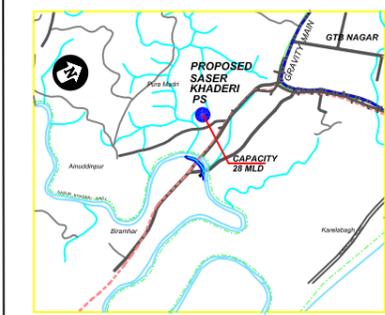
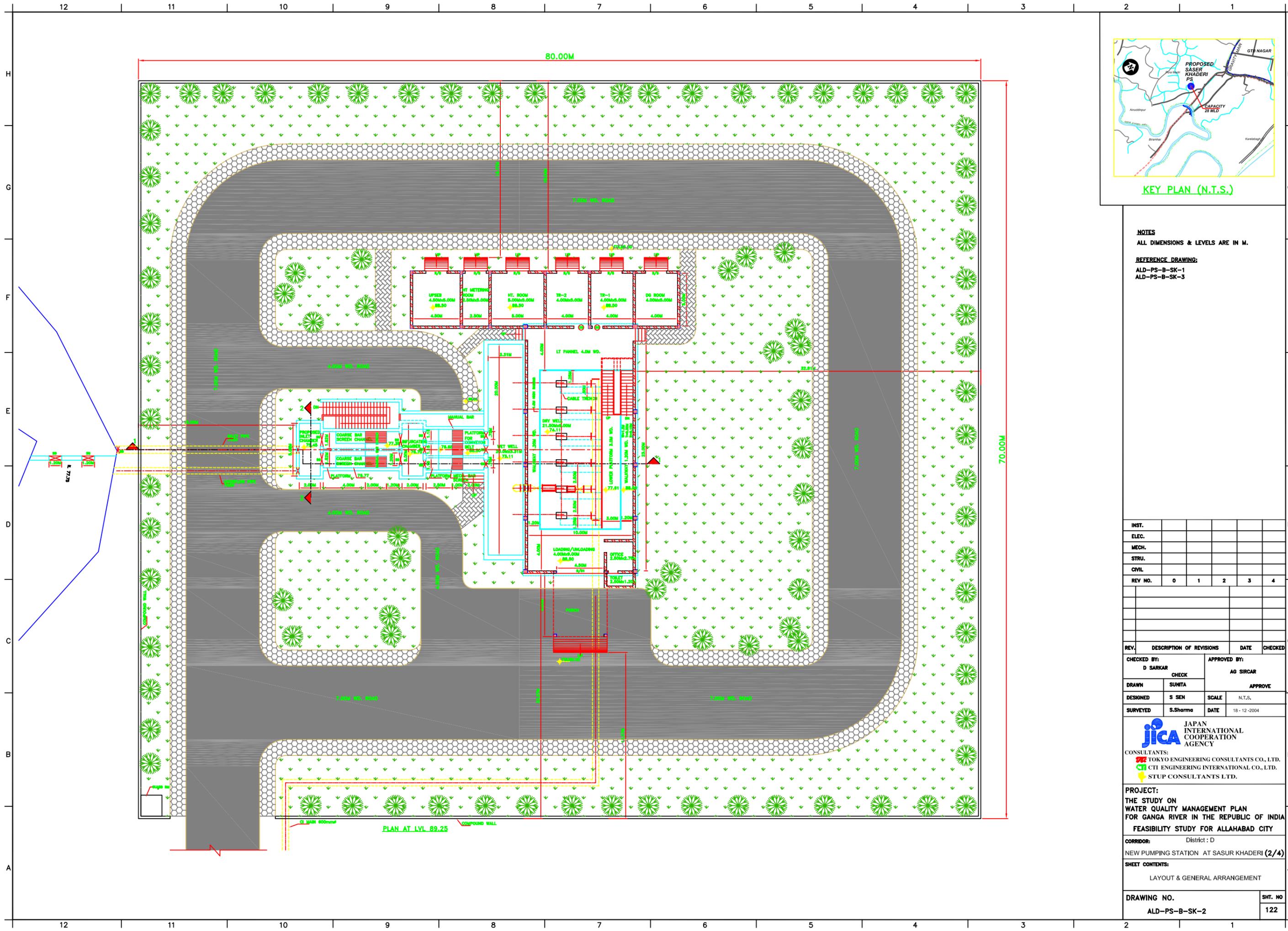
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District : D
 NEW PUMPING STATION AT SASUR KHADERI (1/4)

SHEET CONTENTS:
 SITE PLAN

DRAWING NO. ALD-PS-B-SK-1 SHT. NO. 121



KEY PLAN (N.T.S.)

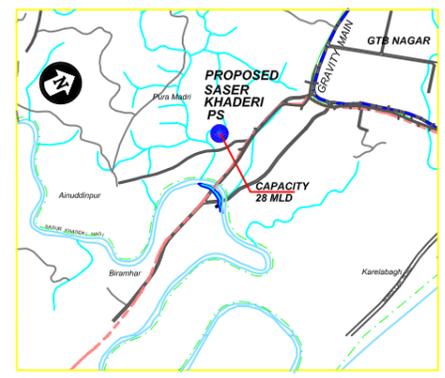
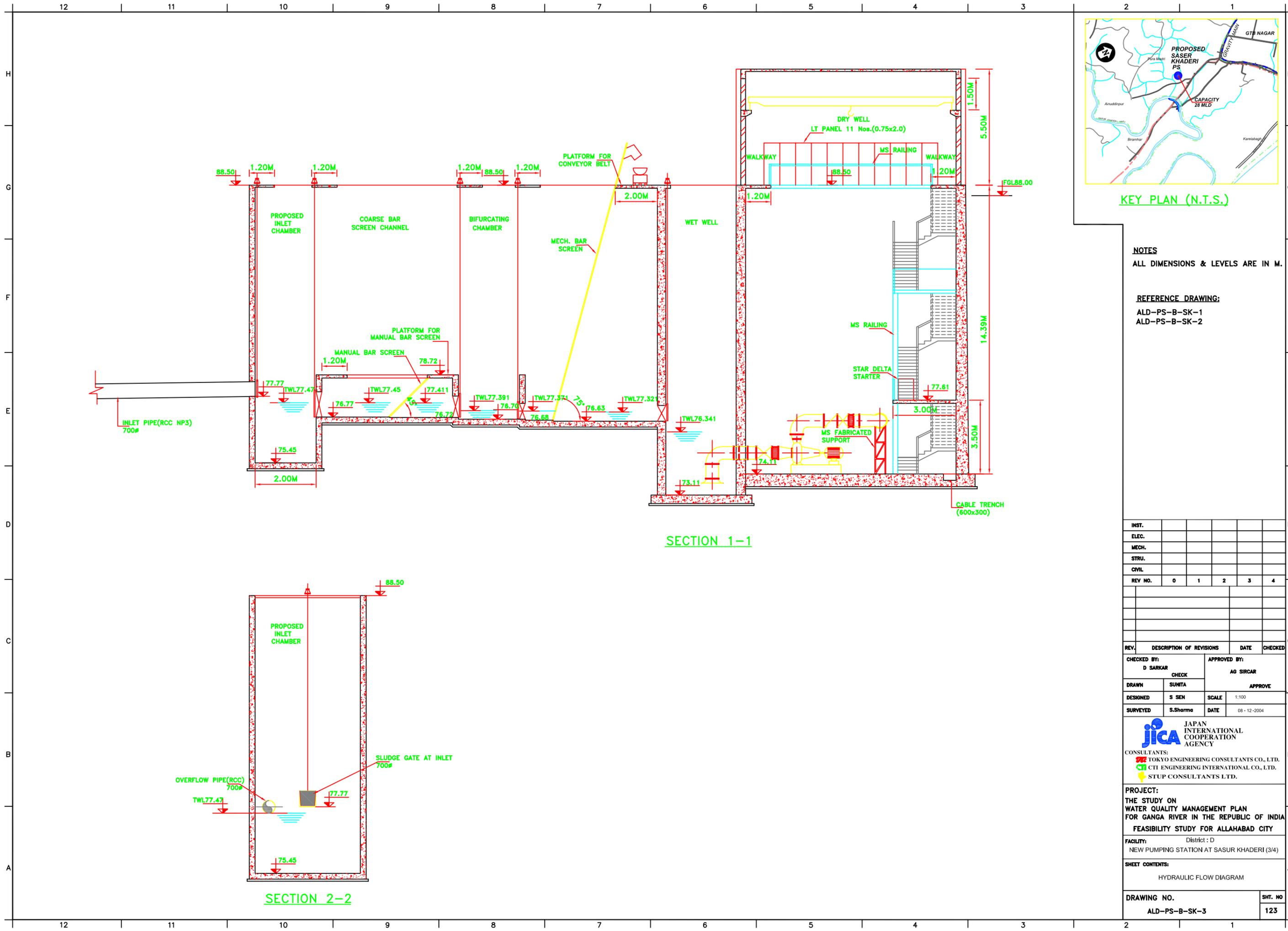
NOTES
 ALL DIMENSIONS & LEVELS ARE IN M.
REFERENCE DRAWING:
 ALD-PS-B-SK-1
 ALD-PS-B-SK-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: D SARKAR
 APPROVED BY: AG SIRCAR
 DRAWN: SUNITA
 DESIGNED: S SEN
 SURVEYED: S.Sharma
 SCALE: N.T.S.
 DATE: 18-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY
CORRIDOR: District : D
 NEW PUMPING STATION AT SASUR KHADERI (2/4)
SHEET CONTENTS:
 LAYOUT & GENERAL ARRANGEMENT
DRAWING NO. ALD-PS-B-SK-2
SHT. NO. 122

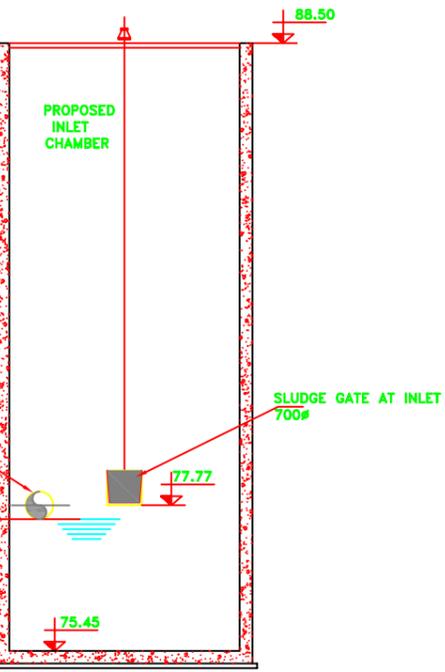


KEY PLAN (N.T.S.)

NOTES
ALL DIMENSIONS & LEVELS ARE IN M.

REFERENCE DRAWING:
ALD-PS-B-SK-1
ALD-PS-B-SK-2

SECTION 1-1



SECTION 2-2

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	D SARKAR	APPROVED BY:	AG SIRCAR
DRAWN	SUNITA	CHECK	APPROVE
DESIGNED	S SEN	SCALE	1:100
SURVEYED	S.Sharma	DATE	08 - 12 - 2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
STUP CONSULTANTS LTD.

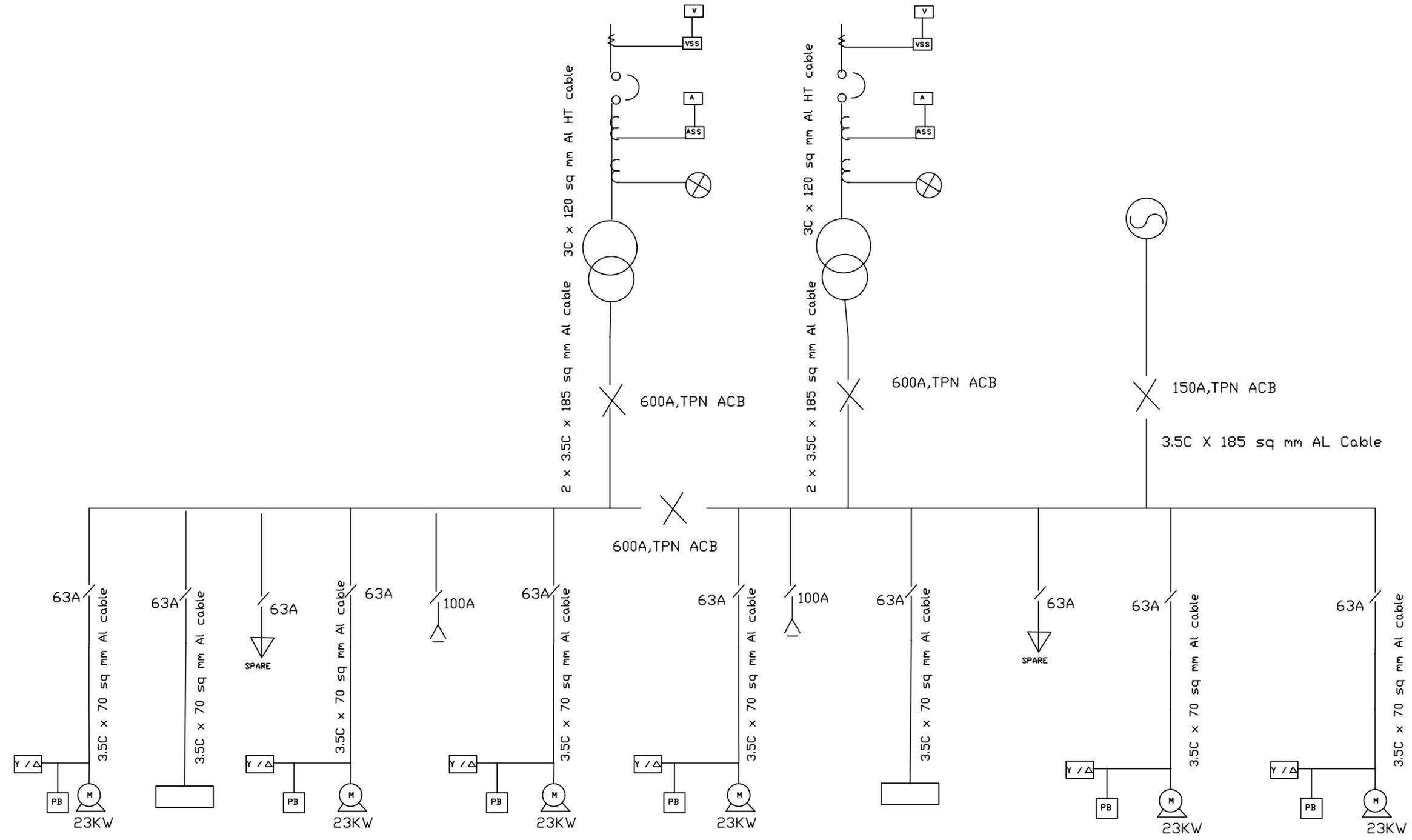
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

FACILITY: District : D
NEW PUMPING STATION AT SASER KHADERI (3/4)

SHEET CONTENTS:
HYDRAULIC FLOW DIAGRAM

DRAWING NO.	ALD-PS-B-SK-3	SHT. NO.	123
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INCOMERS FROM UPSEB



SINGLE LINE DIAGRAM FOR SASURKHADERI SPS (NEW)

- LEGEND**
- Capacitor Bank
 - Protective Relay
 - Ammeter
 - Ammeter Selector Switch
 - Voltmeter
 - Voltmeter Selector Switch
 - Current Transformer
 - Potential Transformer
 - 630A, 250 MVA, 11 KV VCB 18.4 KA
 - 315KVA, 11KV/415V Transformer DY-11
 - DG set 63 KVA, 3Ph 415 V
 - TEFC Squirrel Cage Motor 3PH, 415 V, 50 HZ.
 - Star Delta Motor Starter
 - TPN, MCCB
 - Remote Push Button

NOTES

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4

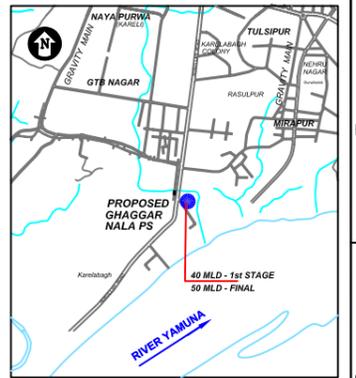
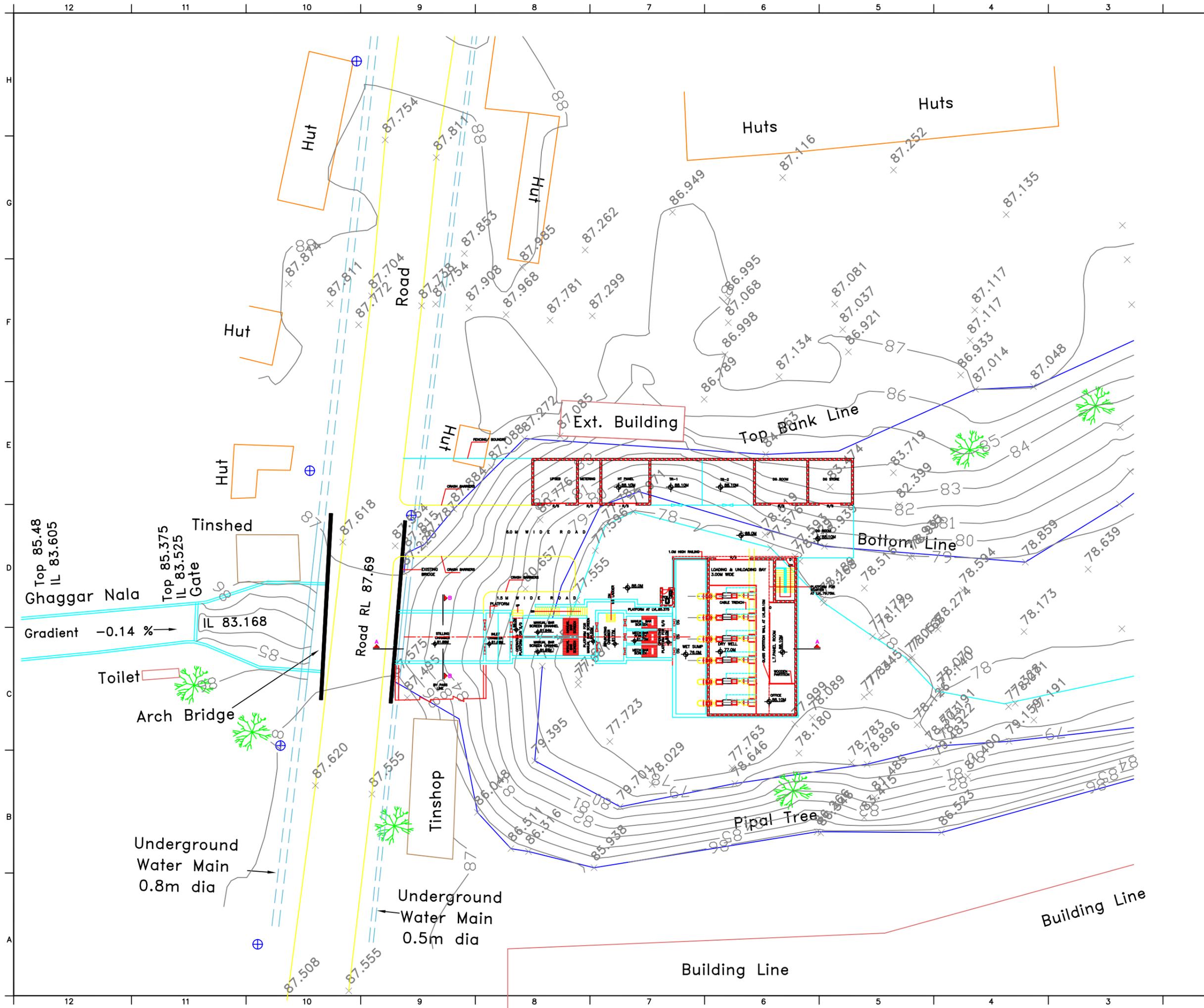
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	RKA	APPROVED BY:	D.Sarkar
DRAWN	S.Mitra	SCALE	APPROVE
DESIGNED	S.Sen	SCALE	
SURVEYED		DATE	

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY
CORRIDOR: District - B

SHEET CONTENTS:
SINGLE LINE DIAGRAM
 NEW PUMPING STATION AT SASURKHADERI (4/4)

DRAWING NO.	ALD-PS-B-SK-4	SHT. NO.	124
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KEY PLAN

NOTES
ALL DIMENSIONS & LEVELS ARE IN M

REFERENCE DRAWING:
ALD-PS-B-GN-2
ALD-PS-B-GN-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: D.Sarkar	APPROVED BY: A.G.Siroor
DRAWN Surendra	APPROVE
DESIGNED S.Sen	SCALE 1:200
SURVEYED S.Sharma	DATE 17-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

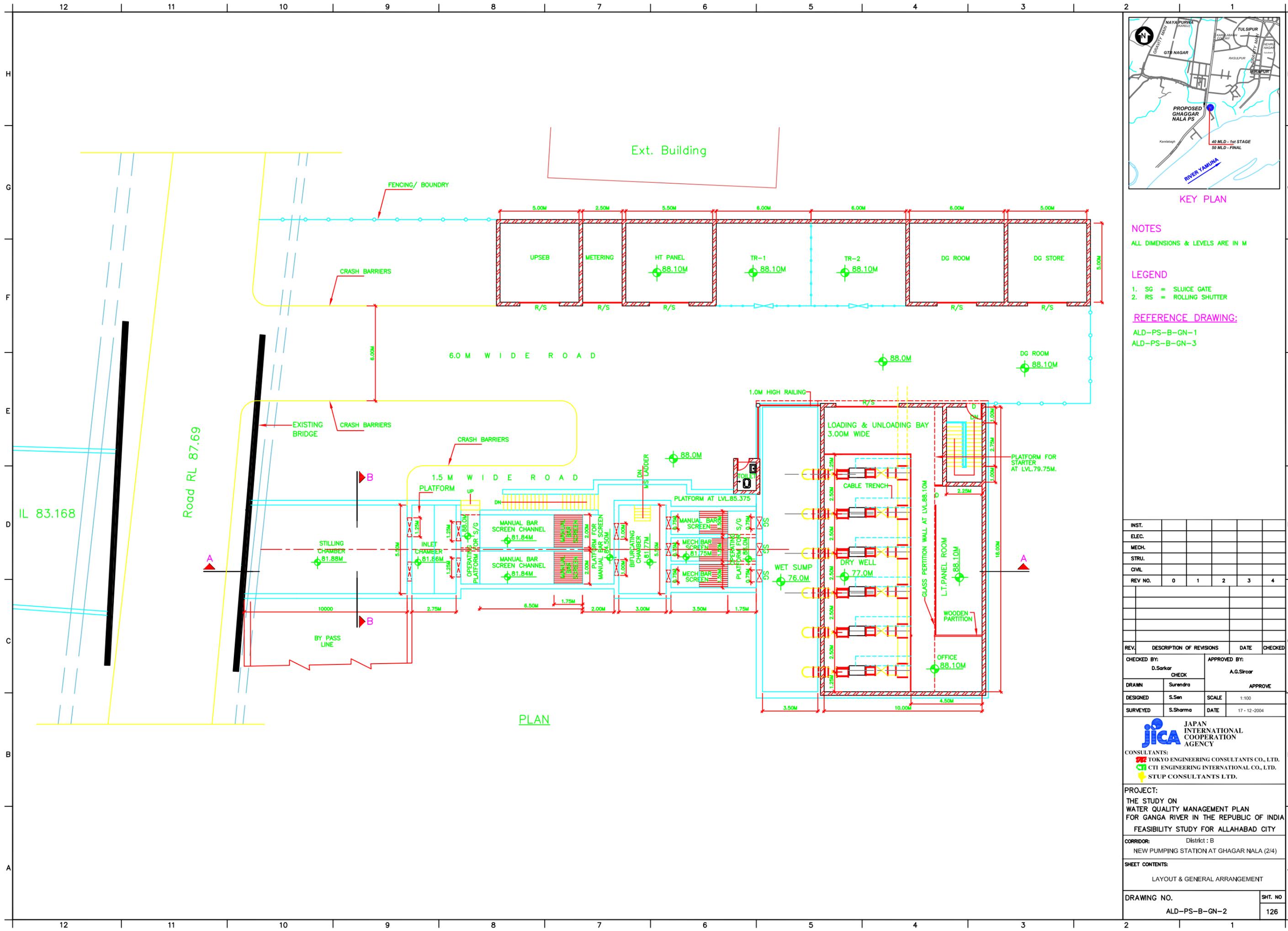
CONSULTANTS:

PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

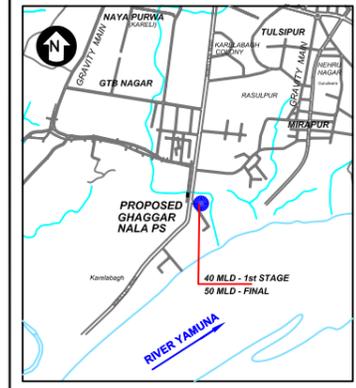
CORRIDOR: District : B
NEW PUMPING STATION AT GHAGGAR NALA (1/4)

SHEET CONTENTS:
SITE PLAN

DRAWING NO. ALD-PS-B-GN-1 **SHT. NO.** 125



PLAN



KEY PLAN

NOTES

ALL DIMENSIONS & LEVELS ARE IN M

LEGEND

- 1. SG = SLUICE GATE
- 2. RS = ROLLING SHUTTER

REFERENCE DRAWING:

- ALD-PS-B-GN-1
- ALD-PS-B-GN-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	D.Sarkar	APPROVED BY:	A.G.Sircar
DRAWN	Surendra	CHECK	APPROVE
DESIGNED	S.Sen	SCALE	1:100
SURVEYED	S.Sharma	DATE	17-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

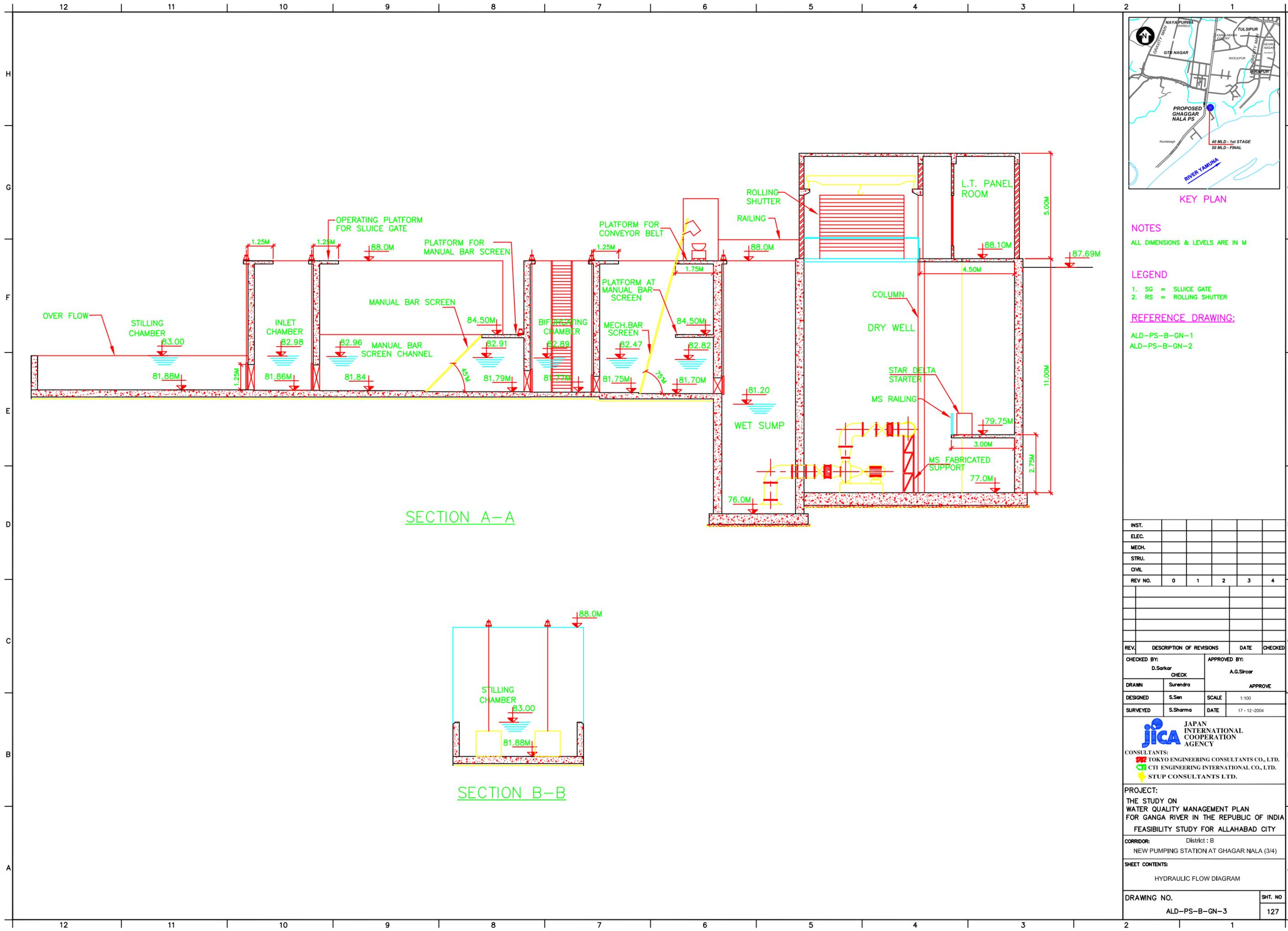
- TOKYO ENGINEERING CONSULTANTS CO., LTD.
- CTI ENGINEERING INTERNATIONAL CO., LTD.
- STUP CONSULTANTS LTD.

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THE STUDY ON
WATER QUALITY MANAGEMENT PLAN
FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

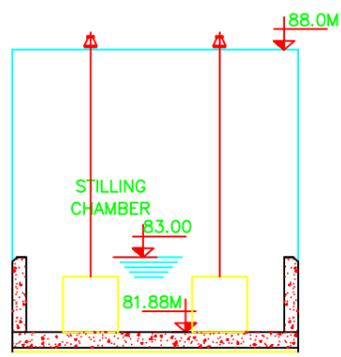
CORRIDOR: District : B
NEW PUMPING STATION AT GHAGGAR NALA (2/4)

SHEET CONTENTS:
LAYOUT & GENERAL ARRANGEMENT

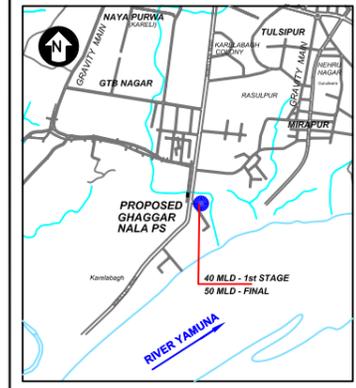
DRAWING NO.	ALD-PS-B-GN-2	SHT. NO.	126
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SECTION A-A



SECTION B-B



KEY PLAN

NOTES

ALL DIMENSIONS & LEVELS ARE IN M

LEGEND

- 1. SG = SLUICE GATE
- 2. RS = ROLLING SHUTTER

REFERENCE DRAWING:

- ALD-PS-B-GN-1
- ALD-PS-B-GN-2

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: D.Sarkar		APPROVED BY: A.G.Sircar	
DRAWN: Surendra		SCALE: 1:100	
DESIGNED: S.Sen		DATE: 17-12-2004	
SURVEYED: S.Sharma			

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CONSULTANTS:

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District : B
 NEW PUMPING STATION AT GHAGGAR NALA (3/4)

SHEET CONTENTS:
 HYDRAULIC FLOW DIAGRAM

DRAWING NO.	SHT. NO.
ALD-PS-B-GN-3	127

