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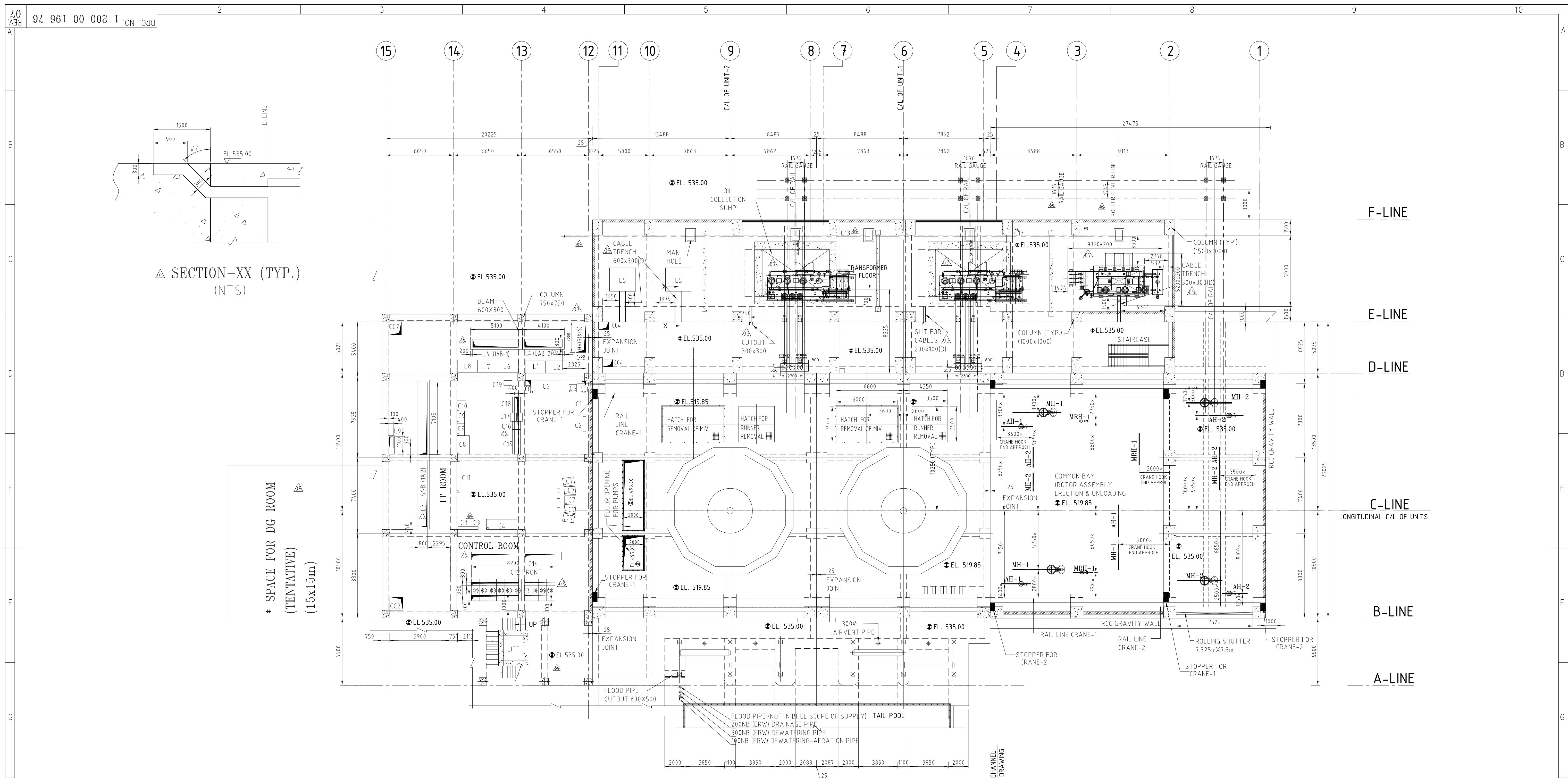


TABLE FOR DIMENSIONS OF EQUIPMENTS LOCATED AT CONTROL ROOM (TENTATIVE):

ITEM No	DESCRIPTION	APPROX. SIZE (mm)			WEIGHT (kg)	QUANTITY PER UNIT	TOTAL QUANTITY	REMARKS
C01	ST. PANEL FOR DRAINAGE PUMPS	2100	300	1500	30	-	1	HPE
C02	ST. PANEL FOR DEWATERING PUMPS	1500	300	1500	70	-	1	HPE
C03	MISCELLANEOUS SERVICE BOARD (WALL MOUNT)	1000	300	1400	-	-	2	HPE
C04	FIRE PROTECTION PANEL	3000	1000	2300	-	-	1	-
C05	GPS BASED TIME SYNCHRONIZATION SYSTEM	750	750	2295	-	-	1	EDN
C06	UPS	3000	1250	2320	-	-	1	EDN
C07	OPERATOR CONTROL DESK FOR OWS	1800	1250	825	600	-	2	EDN
C08	EWS PC TABLE	1210	760	760	100	-	1	EDN
C09	OTHER PC TABLE	1050	900	900	100	-	2	EDN
C10	PRINTER CONSOLE FOR PRINTERS	1000	800	800	-	-	1	EDN
C11	LVS	-	-	-	-	-	1	EDN
C12	11kV-SWITCH GEAR VM12	10X820	2150	2692	-	-	1	SWE
C13	MISC SERVICE BOARD (WALL MOUNTED)	1000	300	1400	-	-	1	HPE
C14	PROTECTION PANEL 11 NO.	11X800	800	2312	-	-	1	TBG
C15	B.C.U	800	800	2312	-	-	1	TBG
C16	AUX PANEL	800	800	2312	-	-	1	TBG
C17	PLCC	800	600	200	-	-	1	TBG
C18	EMP	800	800	2312	-	-	1	TBG

TABLE FOR DIMENSIONS OF EQUIPMENTS LOCATED AT LT ROOM (TENTATIVE):

ITEM No	DESCRIPTION	APPROX. SIZE (mm)			WEIGHT (kg)	QUANTITY PER UNIT	TOTAL QUANTITY	REMARKS
L01	LDB PANEL WITH 100 kVA TRFR (MLDB-3)	2000	1200	2200	-	-	1	PEM
L02	LDB PANEL WITH 50 kVA TRFR (MLDB-6)	2000	1200	2200	-	-	1	PEM
L03	STATION SERVICE BOARD (SSB-1 & SSB-2)	14600	1200	2500	-	-	1	HPE
L04	UAB1, UAB2	5100, 4100	1200	2500	-	-	1	HPE
L05	1000kVA STATION SERVICE TRANSFORMER	2500	2300	2600	5000	-	2	JHS
L06	LDB PANEL WITH 100 kVA TRFR (MLDB-4)	2000	1200	2200	-	-	1	PEM
L07	LDB PANEL WITH 50 kVA TRFR (MLDB-7)	2000	1200	2200	-	-	1	PEM
L08	DC LDB 6 D/G FDRS (ELDB-2)	2000	1200	2200	-	-	1	PEM
L09	PANEL FOR ILLUMINATION SYSTEM	1800	600	2200	-	-	1	HPE

PLAN AT EL 535.00M

LEGENDS:-

HV(S) CUTOUT FOR HVAC SUPPLY DUCT 2000x1000MM.
HV(R) CUTOUT FOR HVAC RETURN DUCT 1500x1000MM.
CC CUTOUT FOR CABLES/PIPES 2000x1000MM.
CC1 CUTOUT FOR CABLES OF EQUIPMENTS 500x500MM.
CC2 CUTOUT FOR CABLES OF EQUIPMENTS 1300x1300MM.
CC3 CUTOUT FOR CABLES OF EQUIPMENTS 200x300MM.
CC4 CUTOUT FOR CABLES OF EQUIPMENTS 1000x750MM.
CC5 CUTOUT FOR CABLES OF EQUIPMENTS 3400x600MM.

MH-1, MH-2: MAIN HOOK OF CRANES - 1 & 2.
AH-1, AH-2: AUX. HOOK OF CRANES - 1 & 2.
MRH-1: MONORAIL HOOK OF CRANES - 1

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES.
- LIST OF EQUIPMENT & PANELS SHOWN ARE TENTATIVE & INDICATIVE ONLY AND SHALL BE FINALISED DURING DETAIL DESIGN.
- SIZES OF COLUMNS/BEAMS/SLABS ARE INDICATIVE ONLY. FOR DETAILS REFER CIVIL CONSTRUCTION DRAWINGS.
- *: DIMENSIONS ARE TENTATIVE. REFER EOT CRANE DRAWINGS NO. PE-DG-407-501-A001,A002 FOR COMPLETE INCLUDING LOCATION OF CABIN, DSL AND STOPPER DETAILS.
- SEPARATE DRAWING SHALL BE SUBMITTED FOR SHOWING CIVIL DETAILS OF TRANSFORMER YARD.

REFERENCE DRAWINGS:

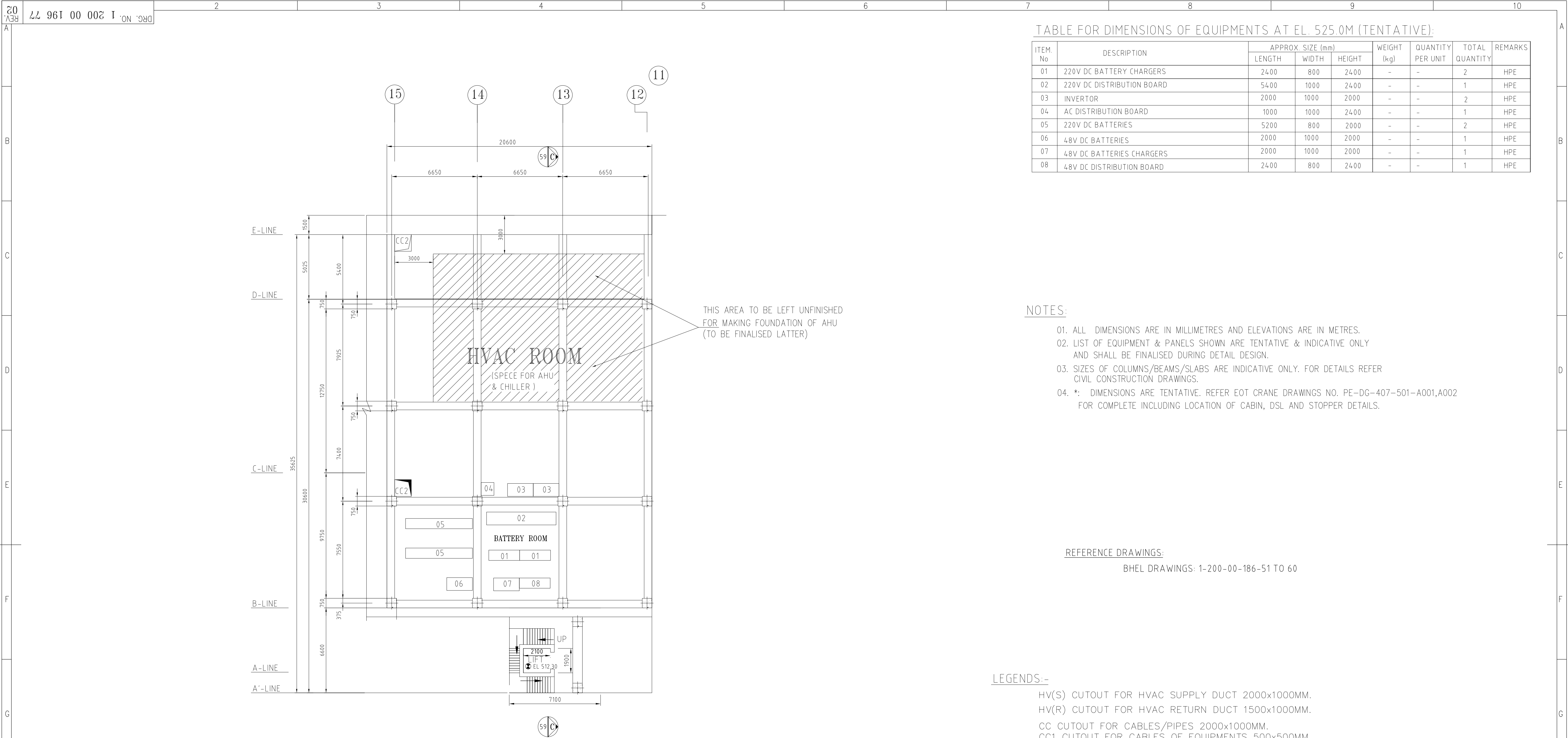
BHEL DRAWINGS: 1-200-00-186-51 TO 57, 59 TO 61, 1205 7 H 20511-A115

PROJECT	2X60MW - VYASI HYDROELECTRIC PROJECT, UTTARAKHAND									
COSTUMER	UJVN LIMITED									
CONSULTANT	-									
भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल Bharat Heavy Electricals Limited, Bhopal				NAME	SIGN	DATE	NO. OF VAR.			
				DRWN/T.KHAN		26/08/14				
				CHKD/G.C.SEKHAR		26/08/14				
				APPD/R.SINGH		26/08/14				
ADDITIONAL INFORMATION							DEPT	HPB	UNTOL. DIMS. GR.	ANGLE
STATUS OF DRAWING							CODE	415		SCALE
DISTRIBUTION OF PRINTS							TITLE	CIVIL GUIDELINES PLAN AT EL 535.00M		
							WEIGHT(kg)	REF TO ASSY.DRG.		
							ITEM NO.	DRAWING NO. 1 200 00 196 76		
							NO. OF SHEETS.	01		
							NO. OF ITEMS	07		

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN "mm")



PLAN AT EL 540.00M

TABLE FOR DIMENSIONS OF EQUIPMENTS AT EL. 525.0M (TENTATIVE):

ITEM. No	DESCRIPTION	APPROX. SIZE (mm)			WEIGHT (kg)	QUANTITY PER UNIT	TOTAL QUANTITY	REMARKS
		LENGTH	WIDTH	HEIGHT				
01	220V DC BATTERY CHARGERS	2400	800	2400	-	-	2	HPE
02	220V DC DISTRIBUTION BOARD	5400	1000	2400	-	-	1	HPE
03	INVERTOR	2000	1000	2000	-	-	2	HPE
04	AC DISTRIBUTION BOARD	1000	1000	2400	-	-	1	HPE
05	220V DC BATTERIES	5200	800	2000	-	-	2	HPE
06	48V DC BATTERIES	2000	1000	2000	-	-	1	HPE
07	48V DC BATTERIES CHARGERS	2000	1000	2000	-	-	1	HPE
08	48V DC DISTRIBUTION BOARD	2400	800	2400	-	-	1	HPE

NOTES:

01. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES.
02. LIST OF EQUIPMENT & PANELS SHOWN ARE TENTATIVE & INDICATIVE ONLY AND SHALL BE FINALISED DURING DETAIL DESIGN.
03. SIZES OF COLUMNS/BEAMS/SLABS ARE INDICATIVE ONLY. FOR DETAILS REFER CIVIL CONSTRUCTION DRAWINGS.
04. *: DIMENSIONS ARE TENTATIVE. REFER EOT CRANE DRAWINGS NO. PE-DG-407-501-A001,A002 FOR COMPLETE INCLUDING LOCATION OF CABIN, DSL AND STOPPER DETAILS.

REFERENCE DRAWINGS:

BHEL DRAWINGS: 1-200-00-186-51 TO 60

LEGENDS:-

HV(S) CUTOUT FOR HVAC SUPPLY DUCT 2000x1000MM.
HV(R) CUTOUT FOR HVAC RETURN DUCT 1500x1000MM.

CC CUTOUT FOR CABLES/PIPES 2000x1000MM.
CC1 CUTOUT FOR CABLES OF EQUIPMENTS 500x500MM.
CC2 CUTOUT FOR CABLES OF EQUIPMENTS 1300x1300MM.
CC3 CUTOUT FOR CABLES OF EQUIPMENTS 200x300MM.
CC4 CUTOUT FOR CABLES OF EQUIPMENTS 1000x750MM.
CC5 CUTOUT FOR CABLES OF EQUIPMENTS 3400x600MM.

MH-1, MH-2: MAIN HOOK OF CRANES - 1 & 2.
AH-1, AH-2: AUX. HOOK OF CRANES - 1 & 2.
MRH-1: MONORAIL HOOK OF CRANES - 1

INVENTORY NO.		SIGN. & DATE		REF. DRG. NO.	
REV.	DATE	ALTERED	CHECKED	APPROVED	
ZONE					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

PROJECT	2X60MW – VYASI HYDROELECTRIC PROJECT, UTTARAKHAND				
COSTUMER	UJVN LIMITED				
CONSULTANT	—				
भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल		Bharat Heavy Electricals Limited, Bhopal			
DRWN	T.KHAN	SIGN		DATE	10.12.14
CHKD	G.C.SEKHAR	SIGN		DATE	10.12.14
APPD	R.SINGH	SIGN		DATE	10.12.14
REF. TO ASSY.DRG.				ITEM NO.	NO.OF ITEMS
ADDITIONAL INFORMATION		DEPT	HPE	UNTOL. DIMS. GR.	ANGLE
STATUS OF DRAWING		CODE	415	SCALE	1:150
DISTRIBUTION OF PRINTS		TITLE		WEIGHT(kg)	
		CIVIL GUIDELINES			
		PLAN AT EL 540.00M			
		DRAWING NO.		REV.	
		1 200 00 196 77		03	
		SHEET NO. 01		NO. OF SHEETS. 01	

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ITEM No	DESCRIPTION	APPROX. SIZE (mm)			WEIGHT (kg)	QUANTITY PER UNIT	TOTAL QUANTITY	REMARKS
		LENGTH	WIDTH	HEIGHT				
C01	ST. PANEL FOR DRAINAGE PUMPS	2100	300	1500	30	-	1	HPE
C02	ST. PANEL FOR DEWATERING PUMPS	1500	300	1500	70	-	1	HPE
C03	MISCELLANEOUS SERVICE BOARD (WALL MOUNT)	1000	300	1400	-	-	2	HPE
C04	FIRE PROTECTION PANEL	3000	1000	2300	-	-	1	-
C05	GPS BASED TIME SYNCHRONIZATION SYSTEM	750	750	2295	-	-	1	EDN
C06	UPS	3000	1250	2320	-	-	1	EDN
C07	OPERATOR CONTROL DESK FOR OWS	1800	1250	825	600	-	2	EDN
C08	EWS PC TABLE	1210	760	760	100	-	1	EDN
C09	OTHER PC TABLE	1050	900	900	100	-	2	EDN
C10	PRINTER CONSOLE FOR PRINTERS	1000	800	800	-	-	1	EDN
C11	LVS	-	-	-	-	-	1	EDN
C12	11 kV-SWITCH GEAR VM12	10X820	2150	2692	-	-	1	SWE
C14	PROTECTION PANEL 11 NO.	11X800	800	2312	-	-	1	TBG
C15	B.C.U	800	800	2312	-	-	1	TBG
C16	AUX PANEL	800	800	2312	-	-	1	TBG
C17	PLCC	800	600	200	-	-	1	TBG
C18	EMP	800	800	2312	-	-	1	TBG
C19	EPAX (WALL MOUNTED)	800	800	-	-	-	1	TBG

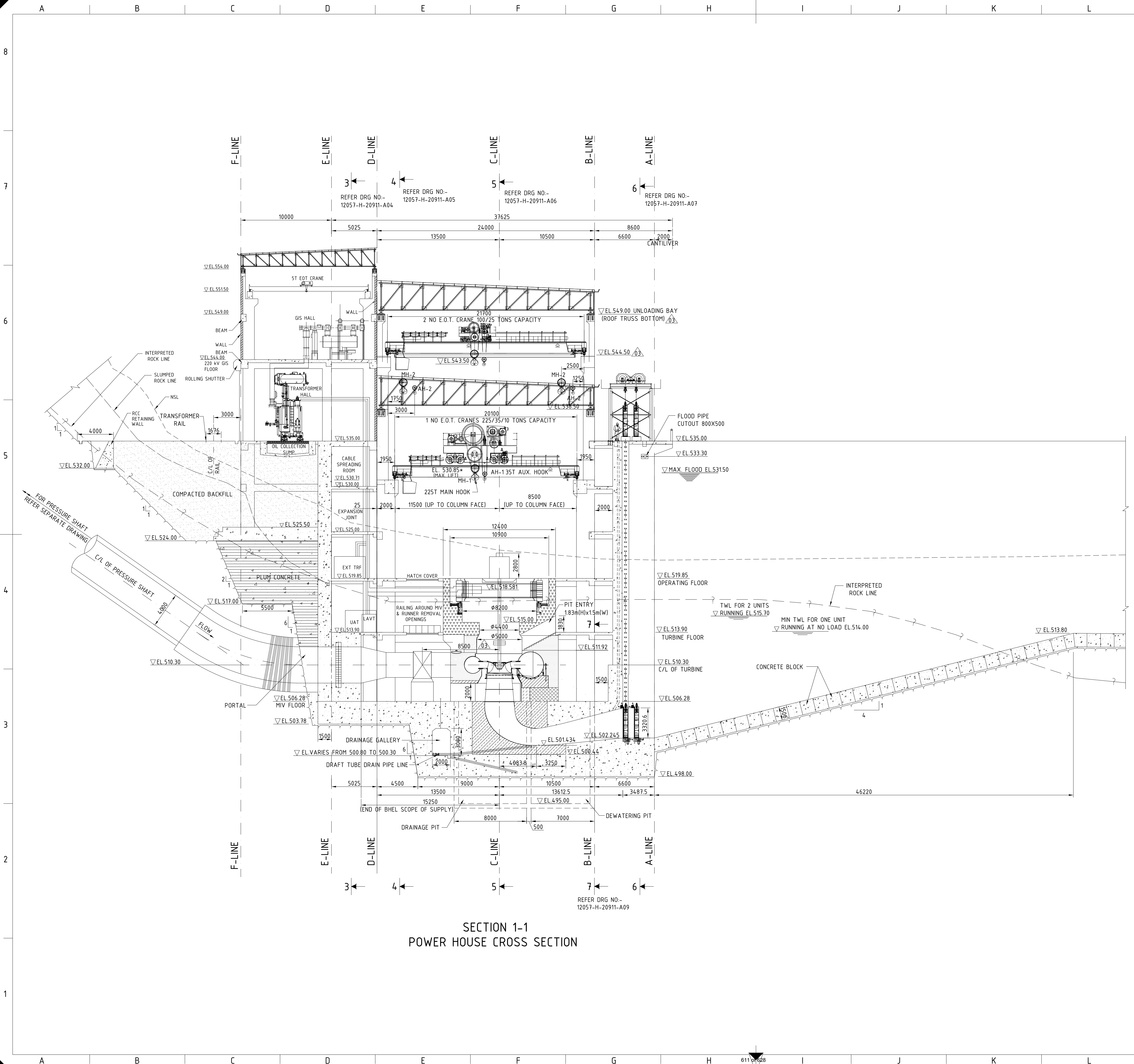
ITEM No	DESCRIPTION	APPROX. SIZE (mm)			WEIGHT (kg)	QUANTITY PER UNIT	TOTAL QUANTITY	REMARKS
		LENGTH	WIDTH	HEIGHT				
L01	LDB PANEL WITH 100 kVA TRFR (MLDB-3)	2000	1200	2200	-	-	1	PEM
L02	LDB PANEL WITH 50 kVA TRFR (MLDB-6)	2000	1200	2200	-	-	1	PEM
L03	STATION SERVICE BOARD (SSB-1 & SSB-2)	14600	1200	2500	-	-	1	HPE
L04	UAB1, UAB2	5100,4100	1200	2500	-	-	1	HPE
L06	LDB PANEL WITH 100 kVA TRFR (MLDB-4)	2000	1200	2200	-	-	1	PEM
L07	LDB PANEL WITH 50 kVA TRFR (MLDB-7)	2000	1200	2200	-	-	1	PEM
L08	DC LDB 6 O/G FDRS (ELDB-2)	2000	1200	2200	-	-	1	PEM
L09	PANEL FOR ILLUMINATION SYSTEM	1800	600	2200	-	-	1	HPE

01. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES.
02. LIST OF EQUIPMENT & PANELS SHOWN ARE TENTATIVE & INDICATIVE ONLY AND SHALL BE FINALISED DURING DETAIL DESIGN.
03. SIZES OF COLUMNS/BEAMS/SLABS ARE INDICATIVE ONLY. FOR DETAILS REFER CIVIL CONSTRUCTION DRAWINGS.

BHEL LAYOUT DRAWINGS: 1-200-00-186-51 AND 1-200-00-186-76
 GENERAL ARRAIGNMENT DRAWINGS AND SLD OF LTAC PANEL- EP-3-TL-008-00
 LAYOUT FLOOR PLAN AND KEY DIAGRAM OF 11KV, 10 PANELS SWITCH BOARD- 35210056283

HV(S) CUTOUT FOR HVAC SUPPLY DUCT 2000x1000MM.
HV(R) CUTOUT FOR HVAC RETURN DUCT 1500x1000MM.
CC1 CUTOUT FOR CABLES OF EQUIPMENTS 500x500MM.
CC2 CUTOUT FOR CABLES OF EQUIPMENTS 1300x1300MM

PROJECT	2X60MW – VYASI HYDROELECTRIC PROJECT, UTTARAKHAND										
COSTUMER	 UJVN LIMITED										
CONSULTANT	—										
	भारत हेवी इलेक्ट्रिकल्स लिमिटेड, भोपाल Bharat Heavy Electricals Limited, Bhopal						NAME	SIGN	DATE	NO. OF	
							DRWN	T.KHAN		20.04.19	VAR.
							CHKD	SHAIKESH		20.04.19	
							APPD	R.SINGH		20.04.19	
							REF. TO ASSY.DRG.				
INFORMATION	DEPT	HPE	UNTOL DIMS. GR.	ANGLE	SCALE	WEIGHT(kg)					
DRAWING	CODE	415			1:120						
NO OF PRINTS	TITLE						DRAWING NO.		REV.		
	CIVIL GUIDELINES FOR						1 200 00 196 78		00		
	CONTROL ROOM & LT ROOM AT EL 535.00M						SHEET NO. 01		NO. OF SHEETS. 01		
8			9				10				



SECTION 1-1
POWER HOUSE CROSS SECTION

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS IN METERS.
2. NO DIMENSION SHALL BE SCALED FROM THE DRAWING
3. CUT SLOPES SHOWN ARE TENTATIVE REFER SEPARATE DRAWING FOR SLOPES.
4. THE POWER HOUSE GENERAL ARRANGEMENT DRAWING HAVE BEEN PREPARED BASED ON BHEL GENERAL ARRANGEMENT DRAWINGS RECEIVED VIDE EMAIL DATED 10-03-2015.

LEGENDS

- FIRST STAGE CONCRETE (M25-A20)
- 2nd STAGE CONCRETE (M25-A20)
- 3rd STAGE CONCRETE PHASE-1 (M25-A20)
- 3rd STAGE CONCRETE PHASE-2 (M25-A20)
- 3rd STAGE CONCRETE PHASE-3 (M25-A20)
- 3rd STAGE CONCRETE PHASE-4 (M25-A20)
- 4th STAGE CONCRETE (M25-A20)
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

E&M EQUIPMENT TO BE UPDATED WITH RESPECT TO FINAL DRAWINGS

BASED ON DRAWING / DOCUMENTS	
DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS

REFERENCE DRAWINGS	
DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN



Autocad release : 2008

ISSUED FOR CONSTRUCTION

REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM	E&M
03	22-08-2017	IFC	CRANE BEAM LEVEL MODIFIED	-	-	-
02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.	-	-	-
01	13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS	-	-	-

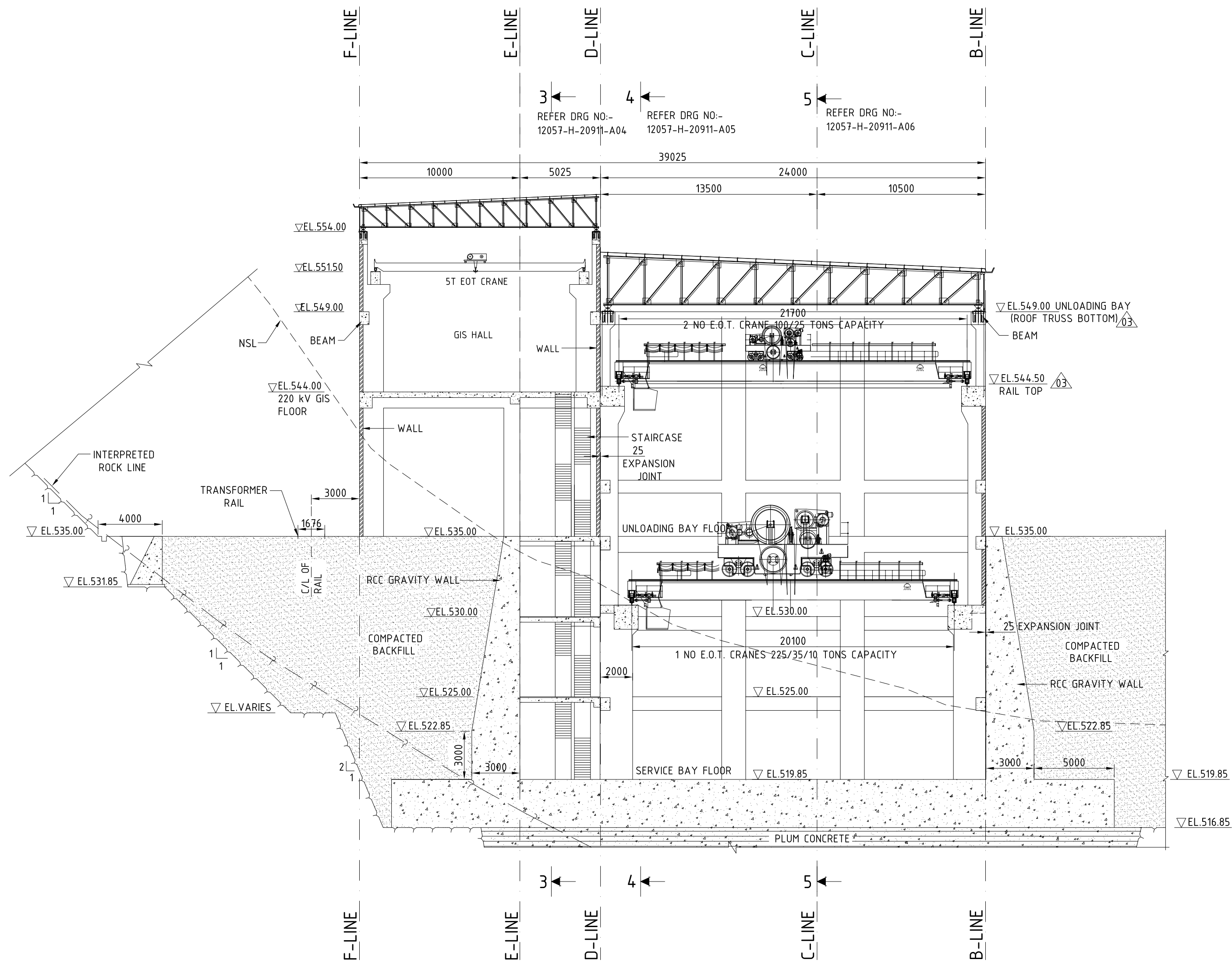
CLIENT **UJVN LIMITED**
(A Govt. of Uttarakhand Enterprise)

TRACTEBEL ENGINEERING PVT. LTD.
CONSULTING ENGINEERS, GURGAON

NAME	SIGN	PROJECT
DRAWN BY N DIMRI		VYASI H. E. PROJECT (2x60 MW)
CHECKED BY	SIGN	DRAWING TITLE
P K SANGHI		POWER HOUSE GENERAL ARRANGEMENT SECTION 1-1
APPROVED BY	SIGN	
A K JHA		

DATE:-	27-08-2015	DRG NO.	12057-H-20911-A02	REV.	03	SHEET	1 OF 1
SHEET SIZE	A1	SCALE	1:200				

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SECTION 2-2
SERVICE BAY CROSS SECTION

NOTES

1. FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- SECOND STAGE CONCRETE
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

BASED ON DRAWING / DOCUMENTS

DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS
REFERENCE DRAWINGS	

DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN

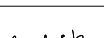


Autocad release - 2008

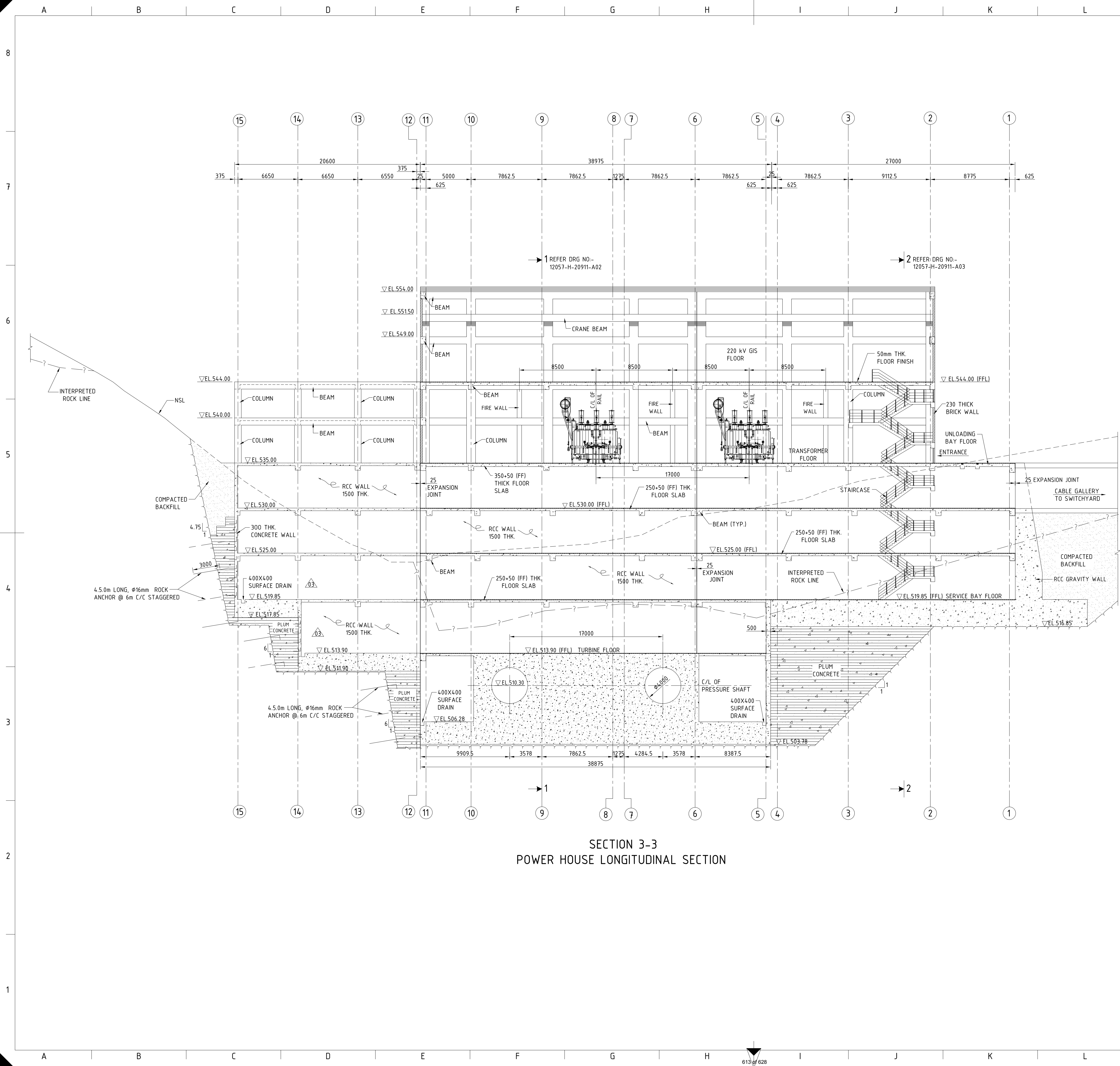
ISSUED FOR CONSTRUCTION

03	22-08-2017	IFC	CRANE BEAM LEVEL MODIFIED	03	-	-
02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES.	-	-	-
01	13-10-2016	IFC	SERVICE BAY RETAINING WALL MODIFIED.	-	-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM	E&M
				CHECKED		

CLIENT	 UJVNL (A Govt. of Uttarakhand Enterprise)	UJVN LIMITED
TRACTEBEL	 TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON	

	NAME		SIGN	PROJECT VYASI H. E. PROJECT (2x60 MW)		
DRAWN BY	N DIMRI					
CHECKED BY	P K SANGHI					
APPROVED BY	A K JHA					
DRAWING TITLE				POWER HOUSE GENERAL ARRANGEMENT CROSS SECTION 2-2		
DATE:-						
27-08-2015						
DRG NO.				12057-H-20911-A03	REV. 03	SHEET 1 OF 1
SHEET SIZE						
A1	SCALE		1:200			

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NOTES

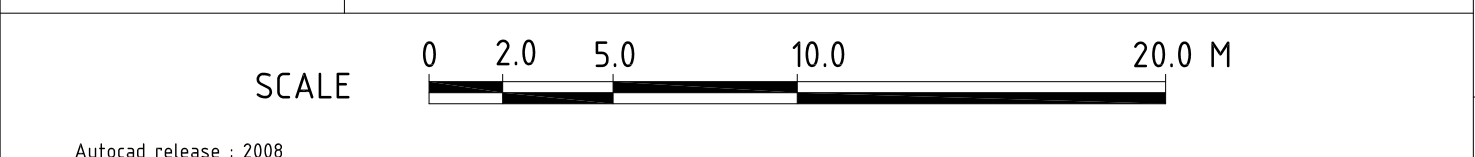
1. FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- SECOND STAGE CONCRETE
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

BASED ON DRAWING / DOCUMENTS	
DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS
REFERENCE DRAWINGS	

DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN



ISSUED FOR CONSTRUCTION

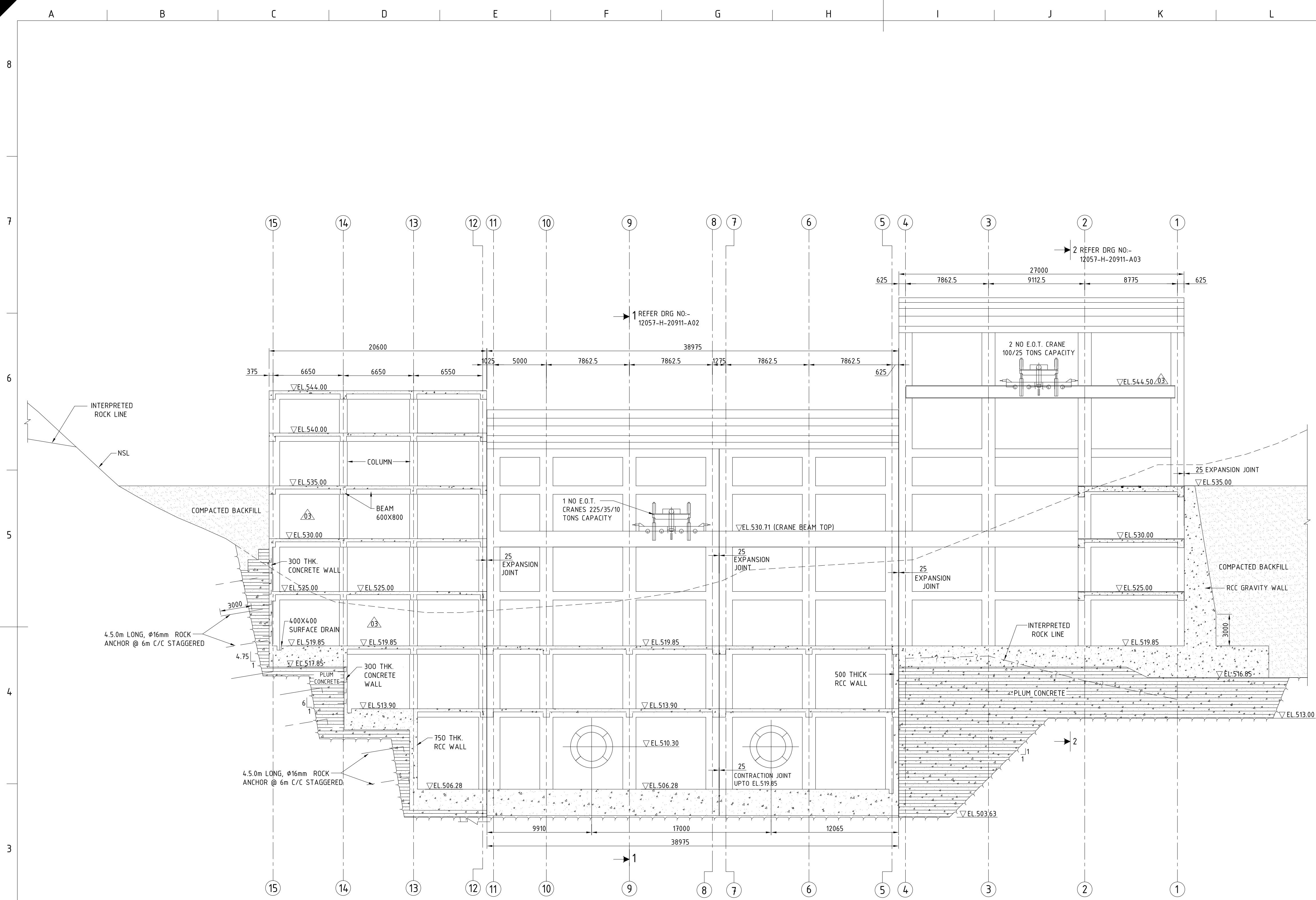
22-08-2017	IFC	CONTROL ROOM HAS BEEN MODIFIED		-	-
22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.		-	-
13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS		-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM & E&M
				CHECKED	

UJVN LIMITED
(A Govt. of Uttarakhand Enterprise)

TRACTEBEL ENGINEERING PVT. LTD.
CONSULTING ENGINEERS, GURGAON

	NAME		SIGN		PROJECT VYASI H. E. PROJECT (2x60 MW)	
DRAWN BY	N DIMRI					
CHECKED BY	P K SANGHI					
APPROVED BY	A K JHA					
DRAWING TITLE					POWER HOUSE GENERAL ARRANGEMENT LONGITUDINAL SECTION 3-3	
DATE:-						
27-08-2015						
DRG NO.					REV.	SHEET
12057-H-20911-A04					03	1 OF 1
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SECTION 4-4
POWER HOUSE LONGITUDINAL SECTION

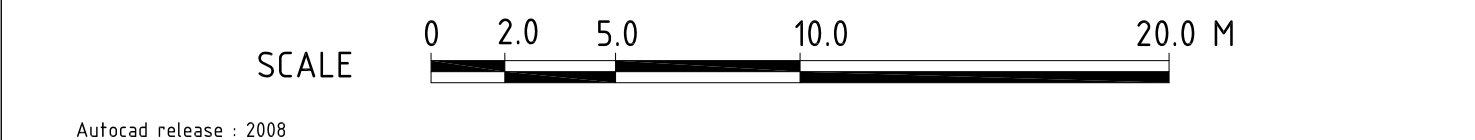
NOTES

1. FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- SECOND STAGE CONCRETE
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

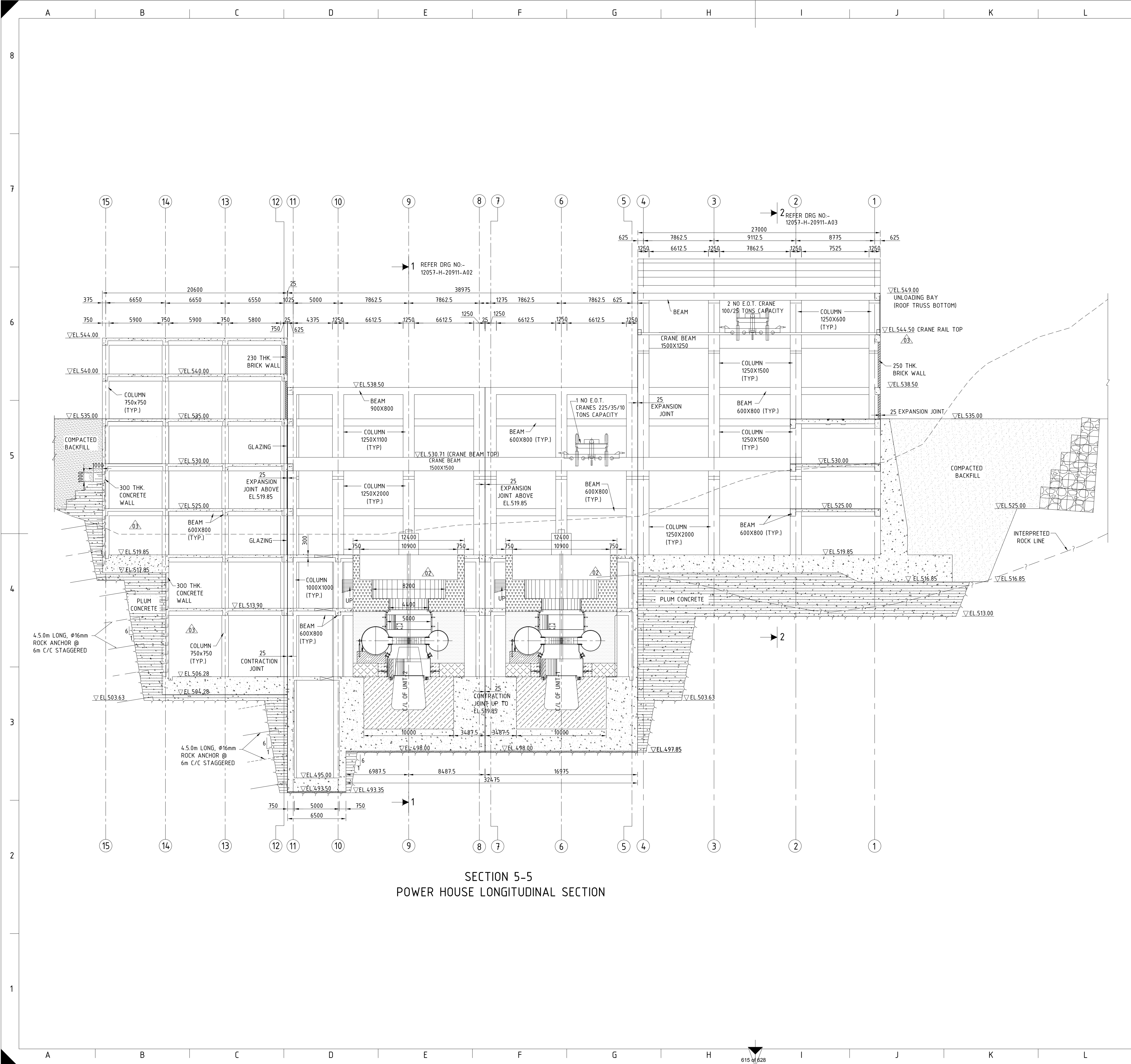
BASED ON DRAWING / DOCUMENTS	
DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS
REFERENCE DRAWINGS	
DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN



ISSUED FOR CONSTRUCTION					
03	22-08-2017	IFC	CONTROL ROOM HAS BEEN MODIFIED	03	-
02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.	-	-
01	13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS	-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM E&M
				CHECKED	

CLIENT		UJVN LIMITED (A Govt. of Uttarakhand Enterprise)	
TRACTEBEL		TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON	
NAME		SIGN	
DRAWN BY		PROJECT	
CHECKED BY		VYASI H. E. PROJECT (2x60 MW)	
APPROVED BY		DRAWING TITLE	
DATE:-		POWER HOUSE GENERAL ARRANGEMENT LONGITUDINAL SECTION 4-4	
SHEET SIZE		DRG NO.	
A1		12057-H-20911-A05	
SCALE		REV.	
1:200		03	
		SHEET	
		1 OF 1	

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SECTION 5-5
POWER HOUSE LONGITUDINAL SECTION

NOTES

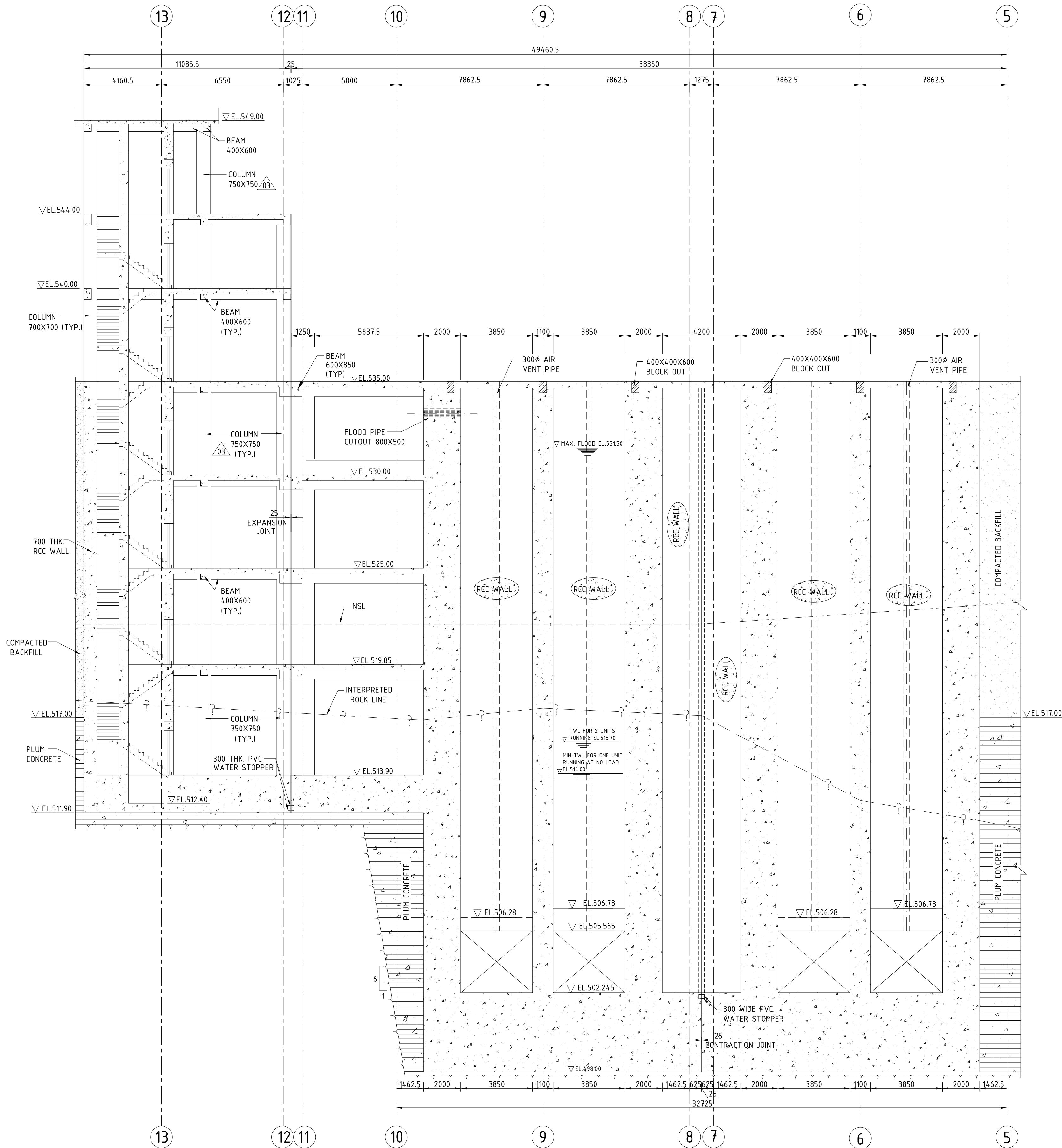
- FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- 2nd STAGE CONCRETE (M25-A20)
- 3rd STAGE CONCRETE PHASE-1 (M25-A20)
- 3rd STAGE CONCRETE PHASE-2 (M25-A20)
- 3rd STAGE CONCRETE PHASE-3 (M25-A20)
- 3rd STAGE CONCRETE PHASE-4 (M25-A20)
- 4th STAGE CONCRETE (M25-A20)
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

BASED ON DRAWING / DOCUMENTS																																					
DRG./DOCUMENT NO.		SUBJECT																																			
1 200 00 196 51 TO 61		BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS																																			
1 200 00 196 71 TO 77		BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS																																			
REFERENCE DRAWINGS																																					
DRG. NO.		SUBJECT																																			
12057-H-20911-A01		POWER HOUSE AREA LAYOUT PLAN																																			
SCALE 0 2.0 5.0 10.0 20.0 M																																					
Autocad release : 2008																																					
ISSUED FOR CONSTRUCTION																																					
<table><thead><tr><th>REV. No.</th><th>DATE</th><th>STAGE</th><th>DESCRIPTION</th><th>CIVIL</th><th>HM</th><th>E&M</th></tr></thead><tbody><tr><td>03</td><td>22-08-2017</td><td>IFC</td><td>CONTROL ROOM HAS BEEN MODIFIED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>02</td><td>22-06-2017</td><td>IFC</td><td>REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.</td><td>-</td><td>-</td><td>-</td></tr><tr><td>01</td><td>13-10-2016</td><td>IFC</td><td>REVISED AS PER CLIENT COMMENTS</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>										REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM	E&M	03	22-08-2017	IFC	CONTROL ROOM HAS BEEN MODIFIED	-	-	-	02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.	-	-	-	01	13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS	-	-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM	E&M																															
03	22-08-2017	IFC	CONTROL ROOM HAS BEEN MODIFIED	-	-	-																															
02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.	-	-	-																															
01	13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS	-	-	-																															
<table><tr><td>CLIENT</td><td colspan="9">UJVN LIMITED (A Govt. of Uttarakhand Enterprise)</td></tr><tr><td colspan="2">TRACTEBEL</td><td colspan="8">TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON</td></tr></table>										CLIENT	UJVN LIMITED (A Govt. of Uttarakhand Enterprise)									TRACTEBEL		TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON															
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TRACTEBEL		TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON																																			
DRAWN BY		NAME	SIGN	PROJECT																																	
CHECKED BY		P K SANGHI		VYASI H. E. PROJECT (2x60 MW)																																	
APPROVED BY		A K JHA		DRAWING TITLE																																	
DATE:-		27-08-2015		POWER HOUSE GENERAL ARRANGEMENT LONGITUDINAL SECTION 5-5																																	
SHEET SIZE		A1	SCALE	1:200	DRG NO.		12057-H-20911-A06		REV. 03	SHEET 1 OF 1																											

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SECTION 6-6
POWER HOUSE LONGITUDINAL SECTION

NOTES

1. FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- SECOND STAGE CONCRETE
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

BASED ON DRAWING / DOCUMENTS	
DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS

REFERENCE DRAWINGS	
DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN



ISSUED FOR CONSTRUCTION

03	22-08-2017	IFC	CONTROL ROOM HAS BEEN MODIFIED		-	-
02	22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.		-	-
01	13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS		-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM	E&M
				CHECKED		

CLIENT

UJVNL LIMITED
(A Govt. of Uttarakhand Enterprise)

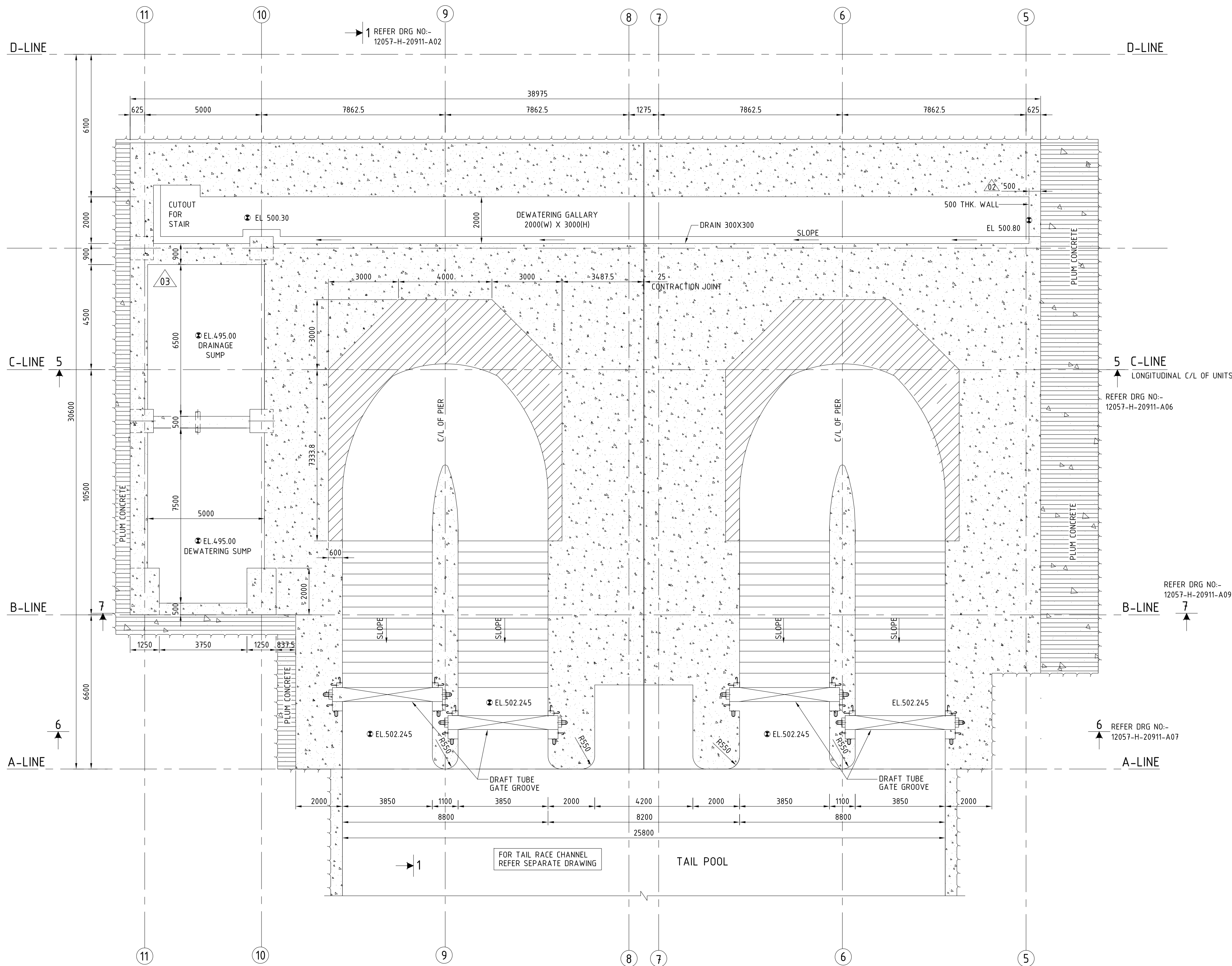
TRACTEBEL
ENGIE

TRACTEBEL ENGINEERING PVT. LTD.
CONSULTING ENGINEERS, GURGAON

DRAWN BY	NAME	SIGN	PROJECT
	N DIMRI		VYASI H. E. PROJECT (2x60 MW)
CHECKED BY	P K SANGHI		DRAWING TITLE
	A K JHA		POWER HOUSE GENERAL ARRANGEMENT LONGITUDINAL SECTION 6-6
DATE:-	27-08-2015	DRG NO.	
SHEET SIZE	A1	SCALE	1:125

DATE:-	27-08-2015	DRG NO.	12057-H-20911-A07	REV.	03	SHEET	1 OF 1
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PLAN AT EL. 502.245m
(DRAFT TUBE LEVEL)
SCALE 1:100

NOTES

1. FOR NOTES REFER DRAWING NO:- 12057-H-20911-A02

LEGENDS

- FIRST STAGE CONCRETE
- SECOND STAGE CONCRETE
- PLUM CONCRETE 1:3:7 (CONCRETE STONE RATIO 60:40 WITH MAXIMUM SIZE OF STONE AS 250mm)
- COMPACTED BACKFILL

BASED ON DRAWING / DOCUMENTS

DRG./DOCUMENT NO.	SUBJECT
1 200 00 196 51 TO 61	BHEL POWER HOUSE GENERAL ARRANGEMENT DRAWINGS
1 200 00 196 71 TO 77	BHEL POWER HOUSE CIVIL GUIDELINES DRAWINGS

REFERENCE DRAWINGS

DRG. NO.	SUBJECT
12057-H-20911-A01	POWER HOUSE AREA LAYOUT PLAN



Autocad release : 2008

ISSUED FOR CONSTRUCTION

22-08-2017	IFC	RUNG LADDER REMOVED		-	-
22-06-2017	IFC	REVISED AS PER LATEST ELECTRO-MECHANICAL EQUIPMENT CHANGES. SERVICE BAY RETAINING WALL MODIFIED.		-	-
13-10-2016	IFC	REVISED AS PER CLIENT COMMENTS		-	-
REV. No.	DATE	STAGE	DESCRIPTION	CIVIL	HM E&M
				CHECKED	

CLIENT	UJVN LIMITED (A Govt. of Uttarakhand Enterprise)
TRACTEBEL	TRACTEBEL ENGINEERING PVT. LTD. CONSULTING ENGINEERS, GURGAON

DRAWN BY	N DIMRI	SIGN	PROJECT	VYASI H. E. PROJECT (2x60 MW)
CHECKED BY	P K SANGHI	SIGN	DRAWING TITLE	POWER HOUSE GENERAL ARRANGEMENT PLAN AT EL. 502.245m
APPROVED BY	A K JHA	SIGN	DRG NO.	12057-H-20911-A08
DATE:-	27-08-2015		REV.	03
SHEET SIZE	A1	SCALE	1:100	SHEET 1 OF 1

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