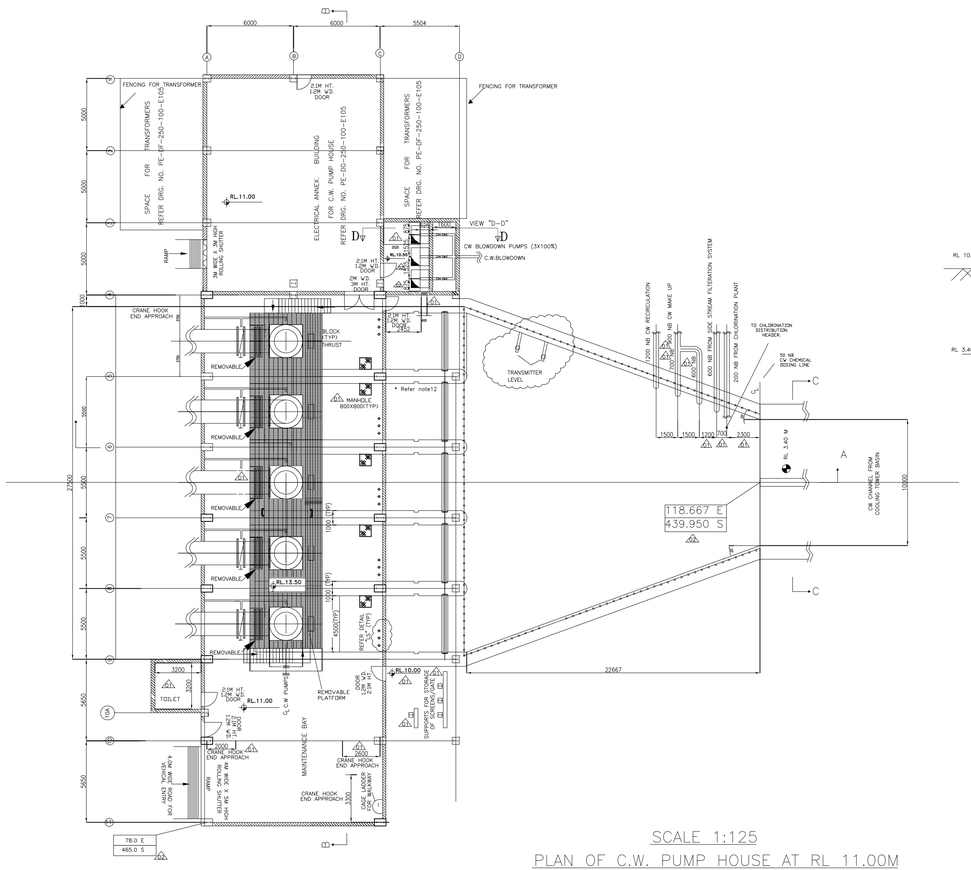
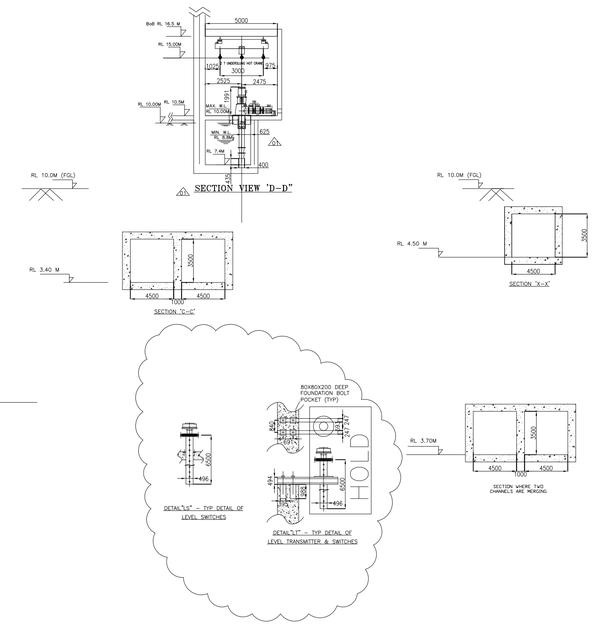
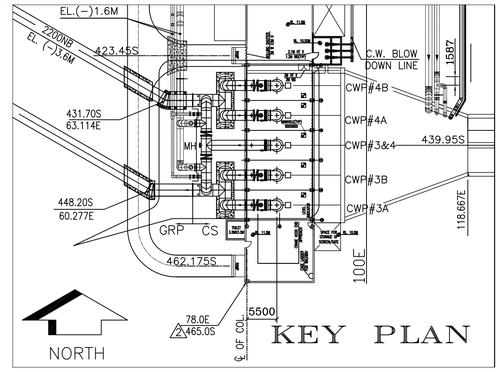


SCALE 1:125

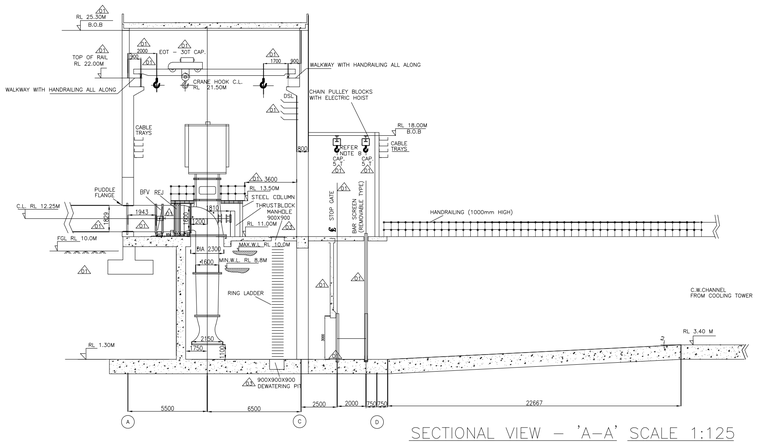
PLAN OF C.W. PUMP HOUSE AT RL 11.00M



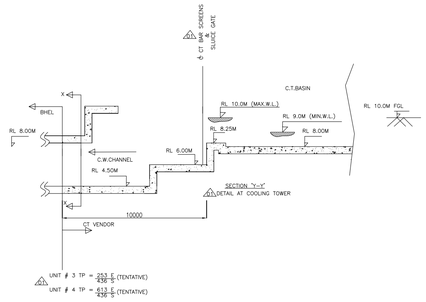


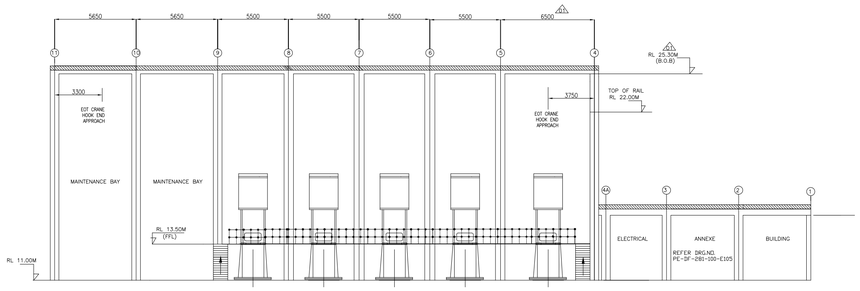
NOTES :

1. ALL DIMENSIONS ARE IN MM AND ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. ALL GATES AND SCREENS TO BE FABRICATED AND SUPPLIED BY BHEL'S CIVIL CONTRACTOR.
3. SUMP MODEL STUDY SHALL BE CARRIED OUT FOR CW SUMP & FOREBAY , AND REQUISITE HYDRAULLIC ELEMENTS SHALL BE INCORPORATED IN CIVIL WORKS, IF REQUIRED, AS PER STUDIES.
4. OPENINGS, INSERTS ETC. REQUIRED FOR C&I ITEMS, PIPE/VALVE SUPPORTS ETC. SHALL BE INDICATED AFTER FINALISATION OF RESPECTIVE INSTRUMENTS, PIPING LAYOUT ETC.
6. PLATFORM FOR MAINTENANCE OF CW PUMP MOTOR AT RL 13.50 M SHALL BE REMOVABLE TYPE.
7. PANDANT OPERATED EOT AS PER THE FOLLOWING DETAILS:
   - CAPACITY: 30 TON
   - SPAN : 10.2 M
   - TRAVEL : 32.75 (RAIL LENGTH 39.8 M)
   - LIFT : 20.2 M
8. 2 NOS. ELECTRICALLY OPERATED MONORAILS WITH CHAIN PULLEY BLOCK AS PER THE FOLLOWING DETAILS:
   - CAPACITY: TO SUIT THE WEIGHT OF GATES AND SCREENS.
   - TRAVEL : 36 M.
9. ONE NO. (1) UNDERSLUNG HOT WITH 2T CAPACITY,3M SPAN, 5M TRAVEL & 7.6M LIFT SHALL BE PROVIDED FOR HANDLING CW BLOWDOWN PUMPS ACCESSORIES.
   ONE NO. (1) STOP LOG GATE COMMON FOR ALL THE SUMPS.
10. REFER CW PUMP GA FOR '*' MARKED DIMENSIONS.
11. REFERENCE DRAWINGS :
    a) P&ID OF CW AND ACW SYSTEM DRG. NO. PE-DG-281-165-N001.
    b) CW PUMP GA DRG. NO. 1-182-005-643B.
    c) CRANE CLEARANCE DIAGRAM OF CW PUMP HOUSE DRG. NO. PE-DG-281-501-A002
    d) CW BLODDWN PUMP GA DRG. NO PE-V0A-281-179-N002
11. GUIDE FOR GATE SHALL BE SUITABLE FOR INSERTION OF SCREEN ALSO
12. DETAILS OF BAR SCREEN AT INLET FOR EACH CW SUMP :–
    (i) QUANTITY : 1 NO FOR EACH SUMP (TOTAL 5 NOS)
    (ii) MASH SPACING : 50MMX50MM
    (iii) MOC : (a) GUIDE/FRAME : SS 316L
    (b) BAR SCREEN : SS 316L
    (iii) BAR SCREEN SHALL BE FULL SUMP LENGTH
    (iv) ONE NUMBER ADDITIONAL BAR SCREEN WITH HEIGHT EQUAL TO GATE HEIGHT TO BE PUT IN GATE GUIDE AS PER NOTE 11
13. DETAILS OF STOP LOG GATES :–
    (i) QUANTITY : 1 NO COMMON FOR ALL CW SUMPS
    (ii) MOC : GUIDE – SS 316L
    : GATE: CARBON STEEL TO IS –2062 (EPOXY COATED)
14. DETAILS OF SLUICE GATE FOR BLOWDOWN SUMP CHANNEL WITH INVERT LEVEL RL 7.4M:–
    (i) QUANTITY : 1 NO
    (ii) MOC : GUIDE – SS 316L
    : GATE: CARBON STEEL TO IS –2062 (EPOXY COATED)



SECTIONAL VIEW – 'A–A' SCALE 1:125





SECTION VIEW 'B–B' (ABOVE RL 11.00M)

SCALE 1:125

GUJARAT STATE ELECTRICITY CORPORATION LIMITED

2x250 MW SIKKA THERMAL POWER PROJECT EXTENSION UNITS 3&4 DIST. JAMNAGAR

TCE CONSULTING ENGINEERS LIMITED

DRAWING TCE REF NO: TCE 5064A–EPC–BH–(UNIT)–0001

JOB NO. 281

STATUS CONTRACT

DISTRIBUTION

TO

No. OF

GUJARAT STATE ELECTRICITY CORP. LTD.
SIKKA TPS, EXTENSION UNITS 3 & 4
2 X 250 MW

BHARAT HEAVY ELECTRICALS LTD.
POWER SECTOR
PROJECTS ENGINEERING MANAGEMENT
NEW DELHI

DEPT CODE	NAME		SIGN	DATE
N	DRN	ANIL	Sd/–	09/04/08
	DESN	AJ	Sd/–	09/04/08
	CHD	AS	Sd/–	09/04/08
	APPD	AK	Sd/–	09/04/08

TITLE: GA OF CW PUMP HOUSE

DEPT. | SCALE: SCALE | DRAWING NO. PE-DG-281-165-N003

SIGN | DATE | SHEET 1 OF 1 | REV. 04

REV.	DATE	ALTD	CHD	APPD
04	22.09.2011	AKJ	AJ	PK
01.	BLOWDOWN SUMP DETAILS INDICATED			

REV.	DATE	ALTD	CHD	APPD
03	14.06.2011	TM	AJ	PK
01.	INCORPORATION OF COMMENTS RECEVIED FROM CUSTOMER/TCE VIDE TRANSMITTAL NO TCE. 5064A–ME–BHEL (PEM)–VDT–209,7.6.11			

REV.	DATE	ALTD	CHD	APPD
02	10.05.2011	AKJ	AJ	PK
01.	INCORPORATION OF COMMENTS RECEVIED FROM CUSTOMER/TCE			

REV.	DATE	ALTD	CHD	APPD
01	27.10.08	TM	AJ	AK
01.	INCORPORATION OF COMMENTS RECEVIED FROM CUSTOMER/TCE			
02.	ADDITION OF CW – BLOWDOWN PUMPS.			