

NORTH

NORTH

STORE ROOM

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SEA WATER
INTAKE PUMP HOUSE

COOLING WATER CHANNEL

CWPHH ELECTRICAL ANNEXE

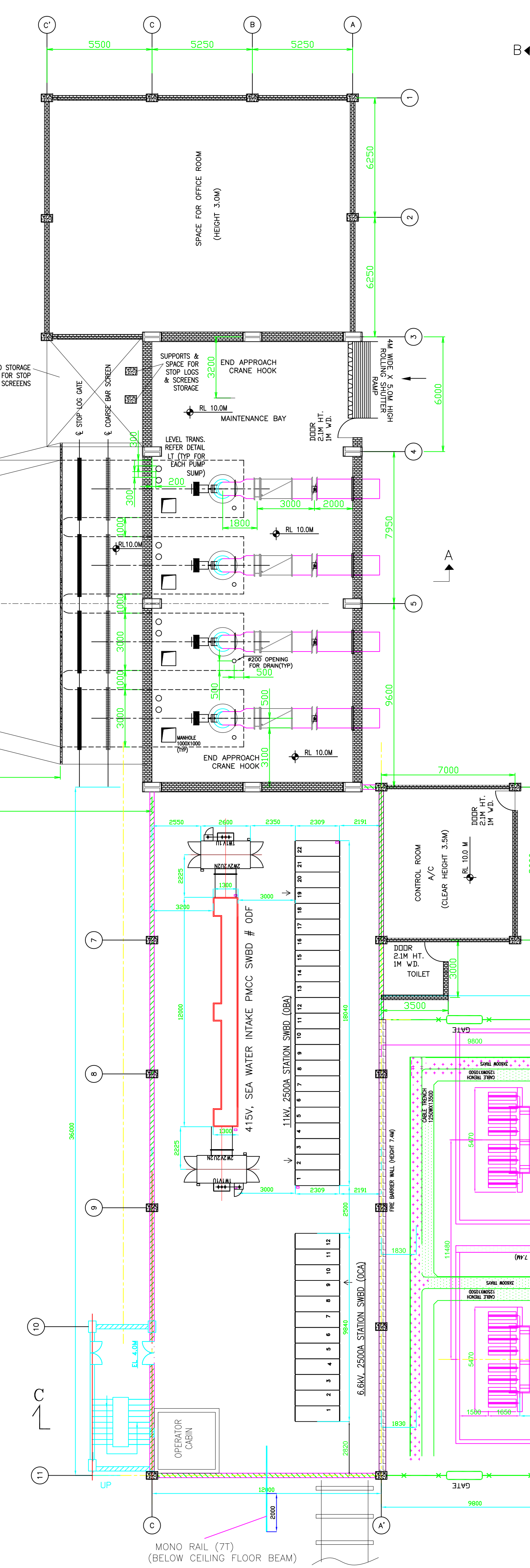
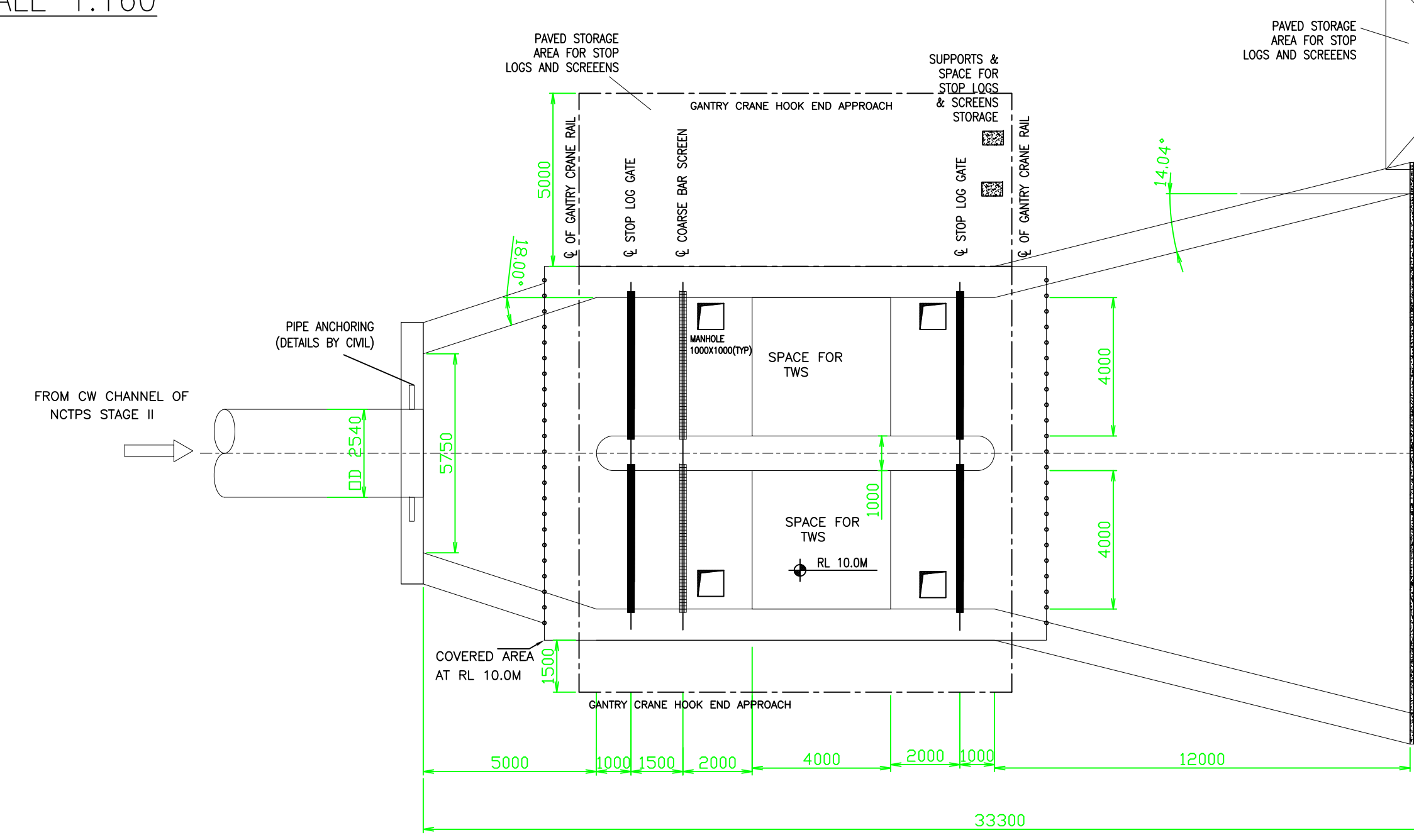
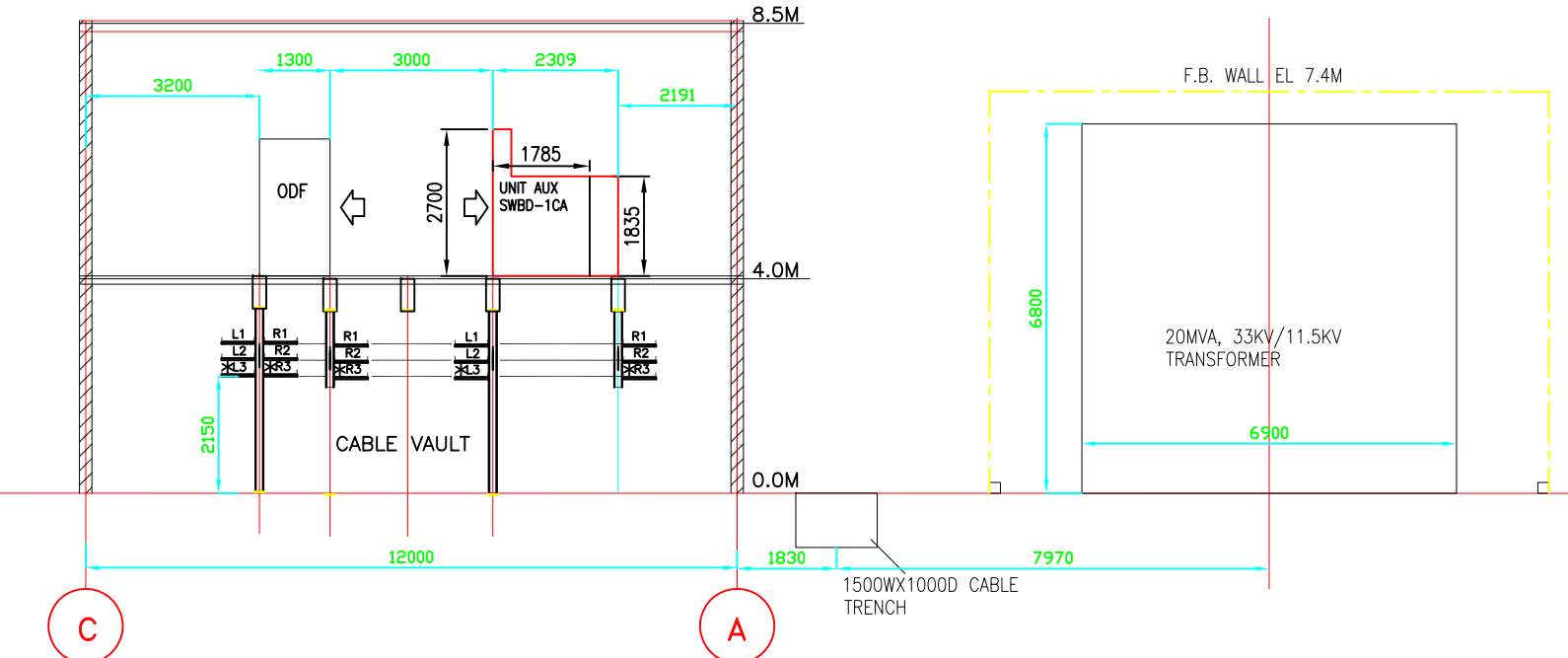
KEY PLAN -NOT TO SCALE

SEA WATER INTAKE PUMP SECTIONAL VIEW -'A-A'
SCALE 1:160

PLAN OF SWI PUMP HOUSE
SCALE 1:160

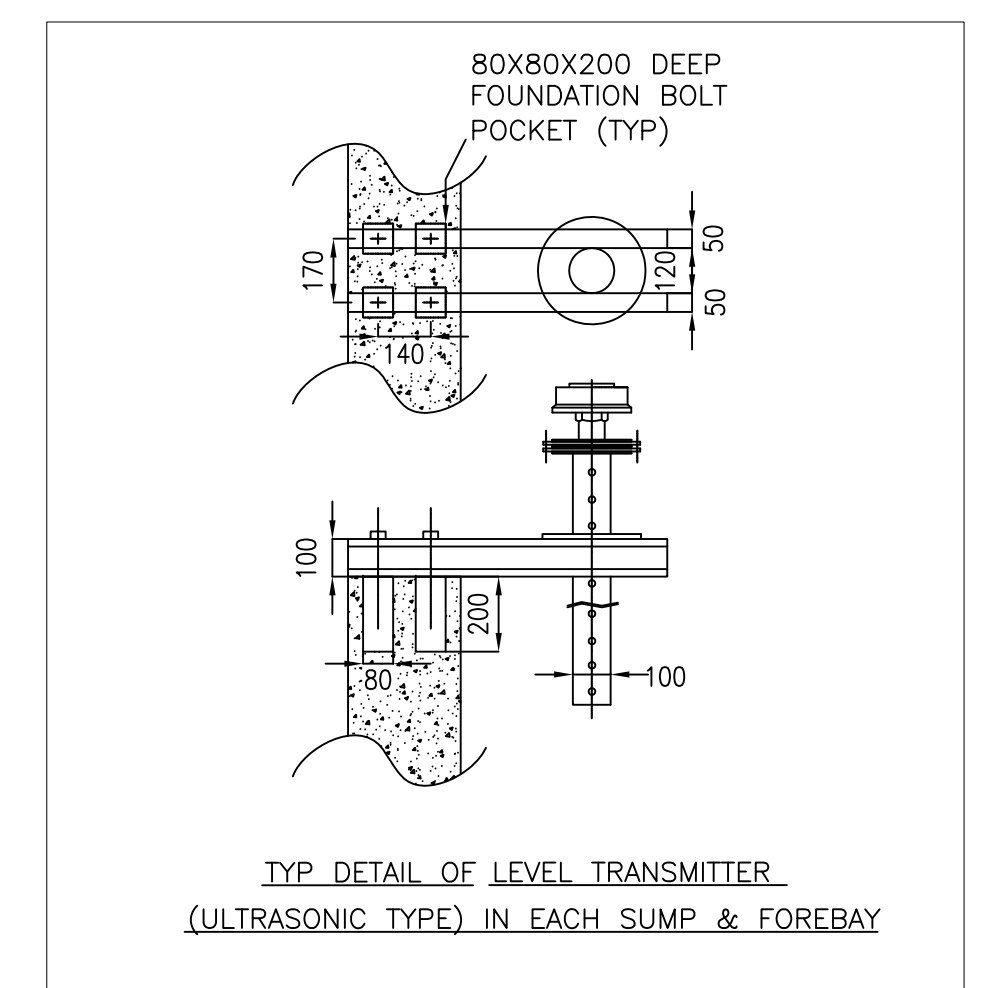
SECTION C-C

VIEW -'B-B'
SCALE 1:160



NOTES :

1. ALL DIMENSIONS ARE IN MM AND ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE STATED
2. SS316L GATES (TOTAL 1NO. FOR PUMP SUMP & 2 NOS. TWS SUMP), SS316L COARSE BAR SCREEN OF 50mm SPACING BETWEEN BARS WITH SS316L FRAME (1 NO. EACH FOR ALL SUMPS) & GUIDE TO BE FABRICATED AND SUPPLIED BY CIVIL CONTRACTOR.
3. SUMP MODEL STUDY SHALL BE CARRIED OUT BY BHEL PEM FOR SEA WATER INTAKE SUMP & FOREBAY AND REQUISITE HYDRAULIC 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.
5. ACCESS TO ROOF SHALL BE PROVIDED BY CAGE LADDER.
6. STOP LOG GATE HEIGHT SHALL BE DESIGNED FOR SUMP OPENING HEIGHT AS SHOWN IN DRAWING.
7. COARSE BAR SCREEN HEIGHT SHALL BE UP TO PUMP FLOOR LEVEL (RL 10.0M)
8. REFERENCE ENGINEERING DRAWINGS:
 - a) PLANT WATER P&ID: PE-DG-412-172-N001
 - b) SEA WATER INTAKE PUMP GA
 - c) MCC ROOM LAYOUT
 - d) CW CHLORINATION
 - e) CRANE CLEARANCE DIAGRAM
 - g) INTAKE PIPING OUTSIDE PUMP HOUSE
9. VENTILATION DETAILS SHALL BE AS PER HVAC DOCUMENTS.
10. PUMP DETAILS
 - (i) No. OF PUMPS 4Nos. (3w+1S) including for Future unit
 - (ii) CAPACITY OF PUMPS 7750 m³/hr
 - (iii) HEAD (EX. PUMP INTERNAL LOSSES)) 36.0 M
 - (iv) SPEED (MAX.) 1500 RPM
 - (v) TYPE OF PUMP VERTICAL TURBINE



DETAIL - "LT"
SCALE 1:20

PROJECT		SASOW KANSHE S&S SUPERCRITICAL THERMAL POWER PROJECT AT AND DYES OF NCTPS, CHENNAI	
OWNER		TAMILNADU GENERATION & DISTRIBUTION CORPORATION LIMITED	
CONSULTANT		SHREE PRIVATE LIMITED	
DESIGNER		SHREE PRIVATE LIMITED	
CHECKED BY		SHREE PRIVATE LIMITED	
APPROVED BY		SHREE PRIVATE LIMITED	
DATE		2024-07-01	
SCALE		AS SHOWN	
PROJECT NO.		PE-DG-412-172-N004	
SHEET NO.		01 OF 01	