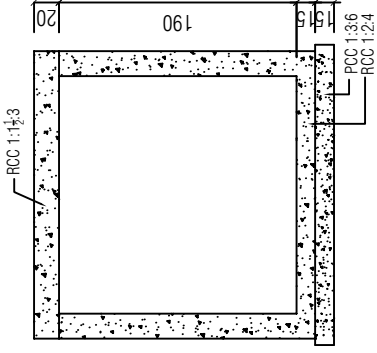
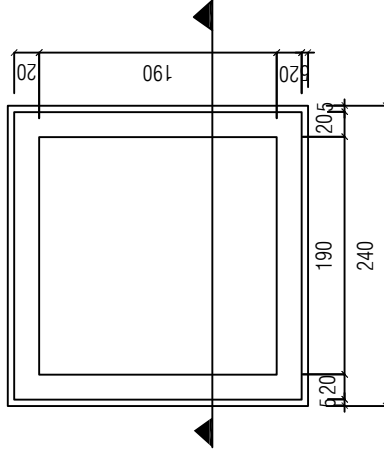


Name of work :- AMRUT - Floating intake structure at Peechi Reservoir

Valve chamber 1.9 x 1.9

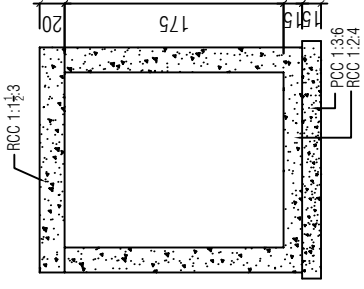


Section

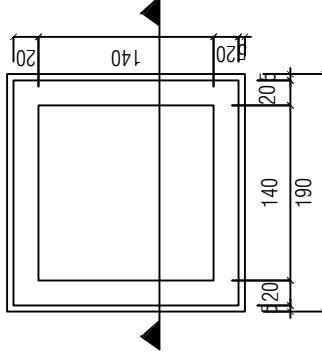


Plan

Valve chamber 1.4x 1.4



Section



Plan

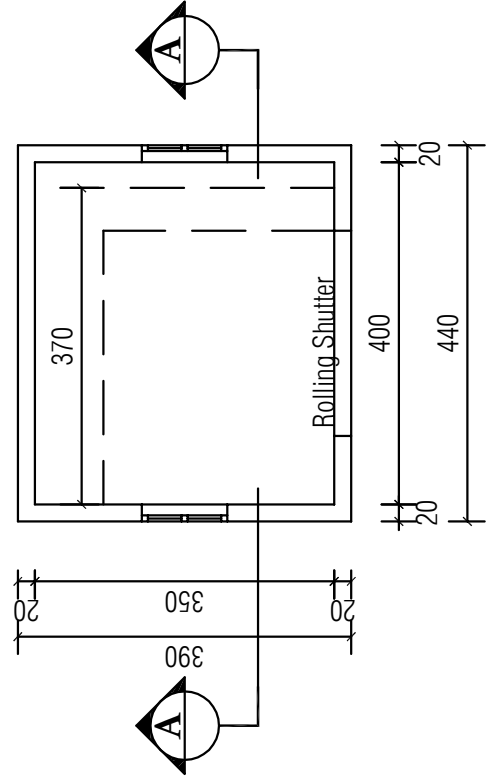
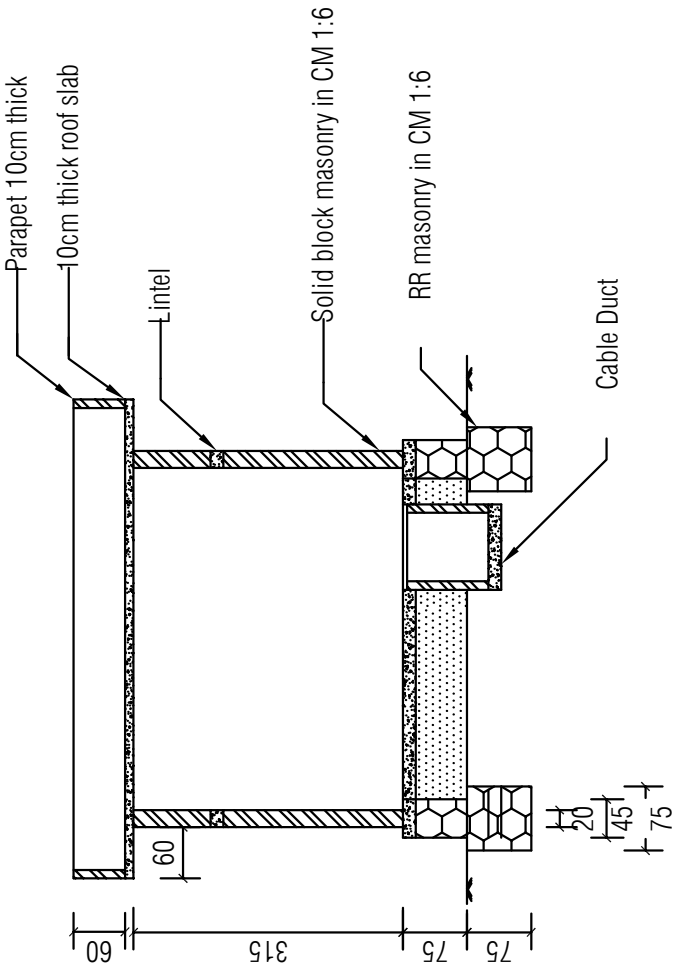
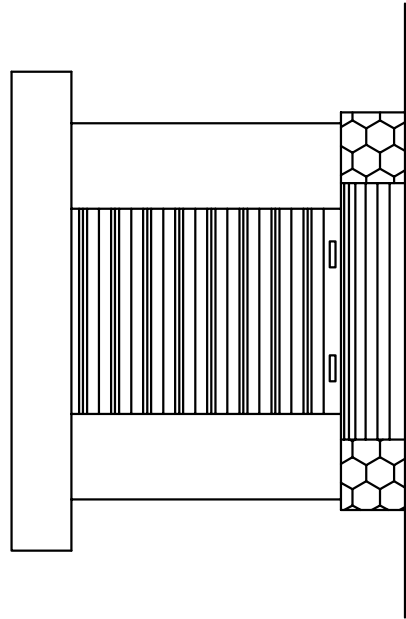
TENDERER

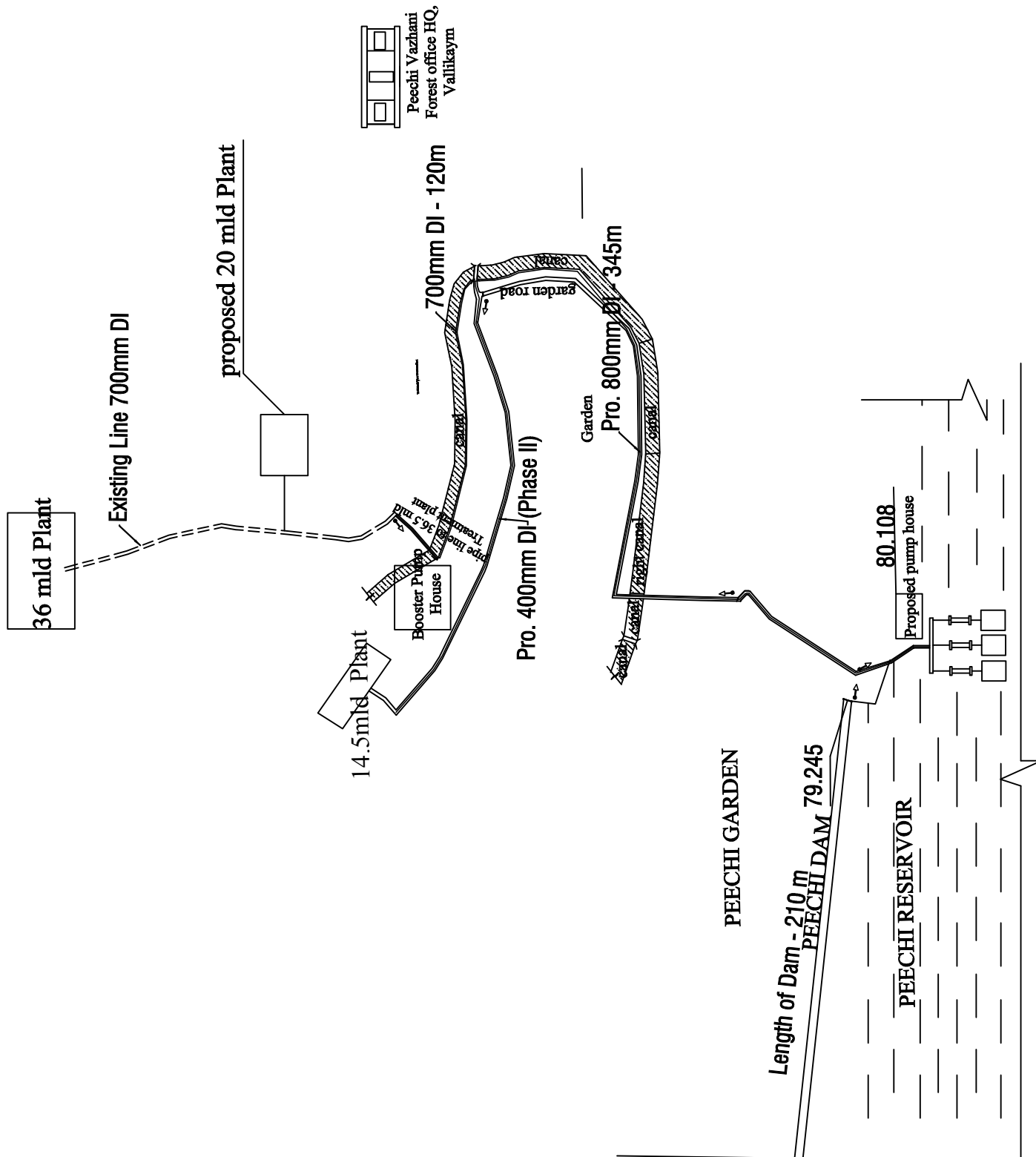
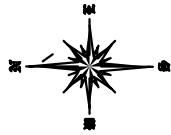
SUPERINTENDING ENGINEER

# Name of work : - AMRUT - Floating intake structure at Peechi

## Reservoir

### PUMP PANEL ROOM





800mm DI K9 Pipe - 345 m  
 700mm DI K9 Pipe - 120 m  
 400mm DI K9 Pipe - 150 m

TOTAL DISTANCE - 1,895.16M



KERALA WATER AUTHORITY  
 PPD CAMP OFFICE THRISSUR

FILE NO. PPD/117/3  
 LAYOUT MAP

SCALE:

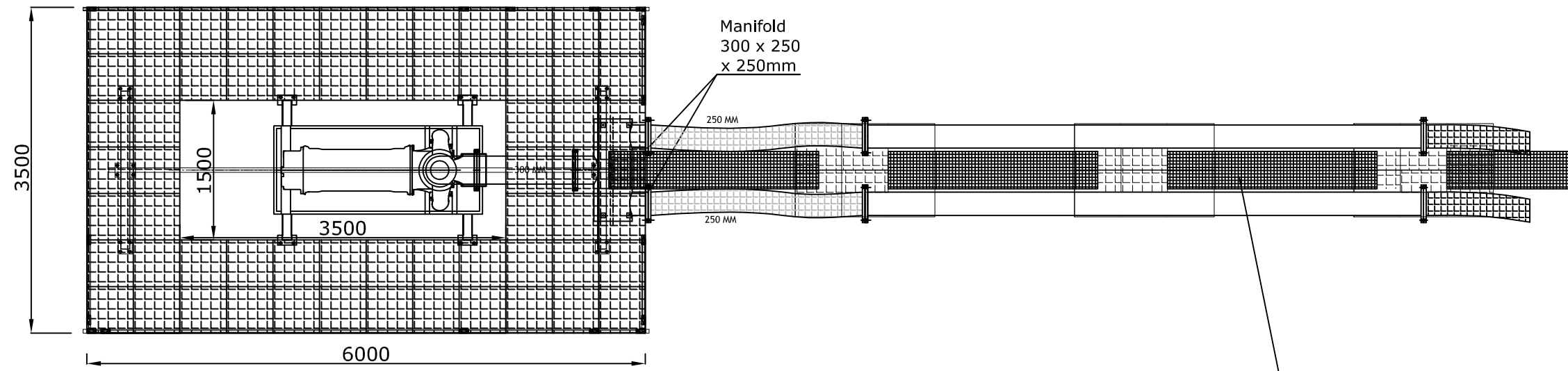
SRVU P. THADATHIL  
 ASST. EXEC. ENGINEER

PROJECT:  
 FLOATING INTAKE STRUCTURE AT  
 PEECHI RESERVOIR - LAYOUT PLAN

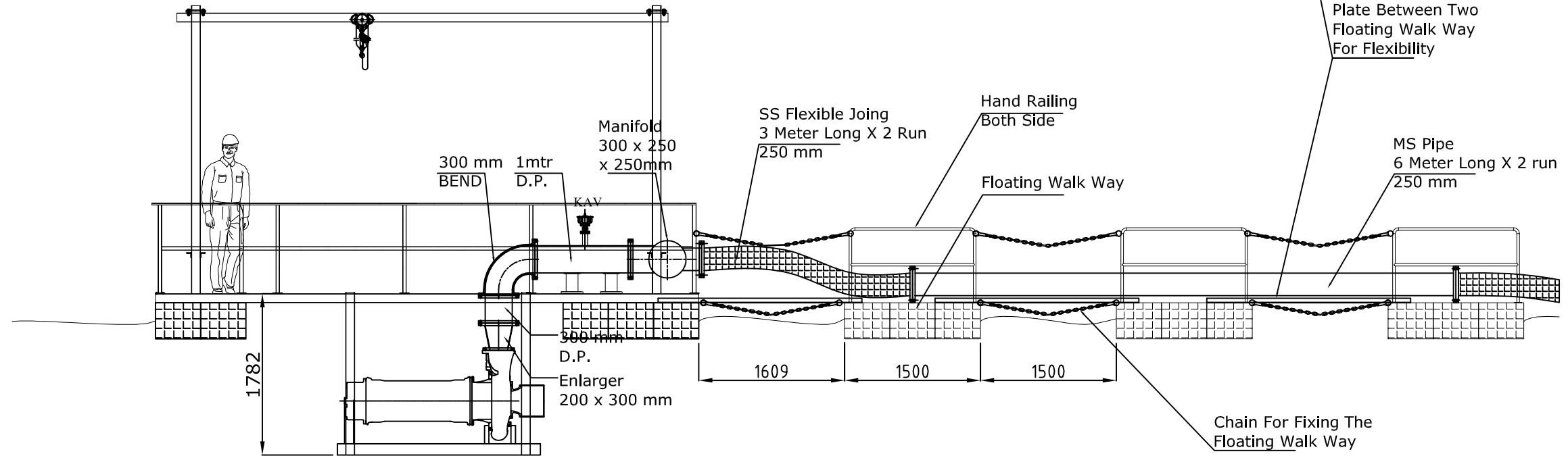
EXEC. ENGINEER

MADEYAN

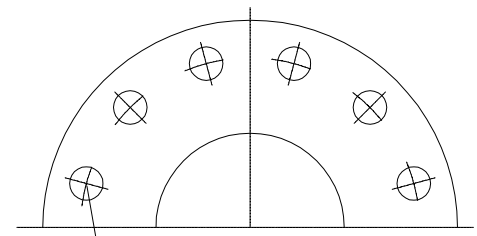
SURVEYED BY  
 PPD CAMP OFFICE, THRISSUR



PLAN



ELEVATION



P.C.D. x Hole x DIA.OF BOLT HOLES

PUMP DELIVERY FLANGE DRILLING AS PER IS 1538

DN	OD	P.C.D.	HOLE	DIA OF HOLE
200	340	295	08	M20

Ref no.: 64084.1/WW\_Se/KL/KWA/-/AMRUT\_Peechi Reservoir /STS/MNG/-/STS/-/STS/-/STP/SL\_?

Project : AMRUT\_Peechi Reservoir

Pump Model : ARS\_H\_PS\_1st\_VoG\_2052\_MQ\_M\_0215\_00415\_NJ.

Motor Rating : 215 hp

Head : 45 mtr

Delivery Size : 200 mm

Motor Speed : 1500 (syn)

Discharge : 833 m<sup>3</sup> / hr

PUMP WITH 10.0 mtr CABLE

PONTOON MOUNTED HORIZONTAL PORTABLE STAND YES

Total QTY. 4 (3W+1S)

AQUA SUBMERGED CENTRIFUGAL RAW WATER PUMPSET GENERAL ARRANGEMENT DRAWING

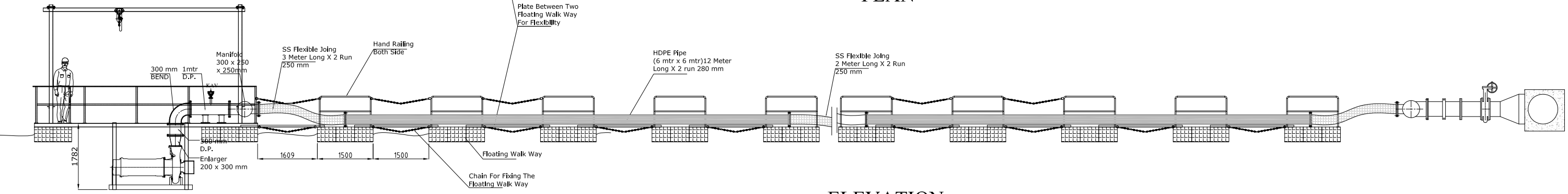
**Aqua Machineries (P) Ltd.**  
 Plot No. 3821, G.I.D.C., Phase-IV, Vatva, Ahmedabad-382445, India.  
 Tel. : + 91 79 25840954 / 240 / 915 Fax : +91 79 25840145  
 Email : marketing@aquapumps.com Web : www.aquapumps.com

1) ARRANGEMENT SHOWN IS INDICATIVE	3) DO NOT SCALE THIS DRAWING
2) PARTS NOT GIVEN ARE IN CLIENT'S SCOPE	4) ALL DIMNS. ARE IN mm, UNLESS SPECIFIED
DRN BY :- AHP	DATE :- 23/02/2018
CHD BY :- PMS	DATE :- 23/02/2018
APD BY :- PMS	DATE :- 23/02/2018

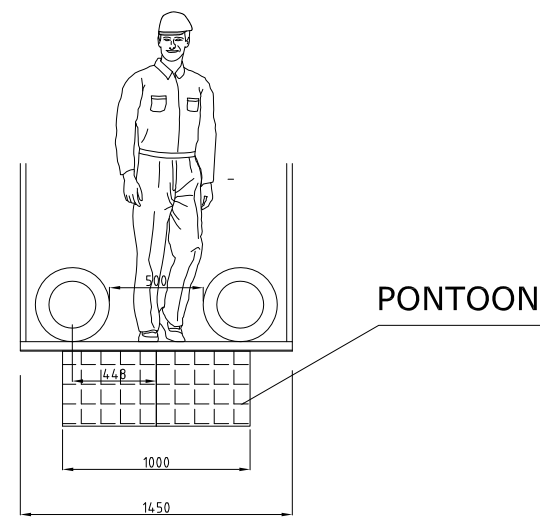
Rev -01



PLAN

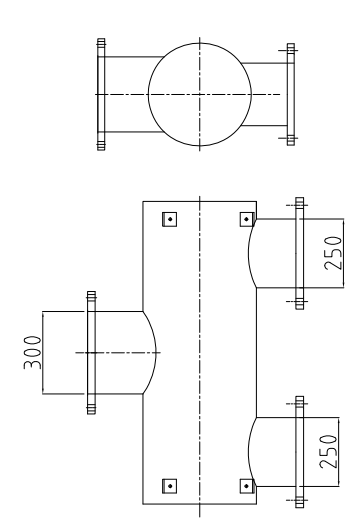


ELEVATION

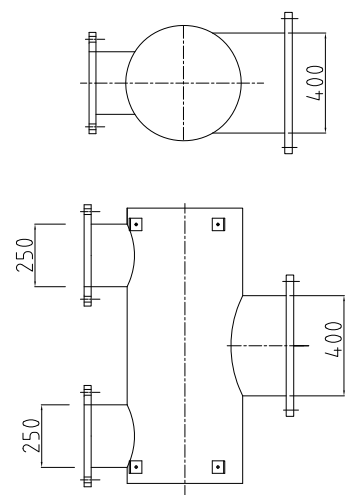


PONTON

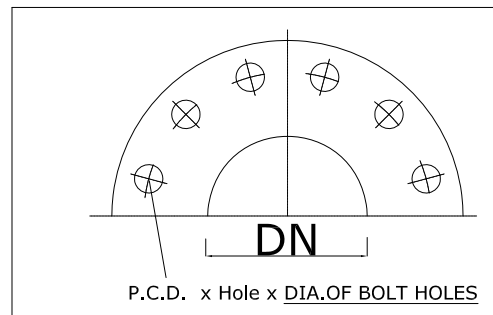
Walk way Section



Manifold 300x250x250 at Pipe End Side



Manifold 400x250x250 at Pipe End Side



PUMP DELIVERY FLANGE DRILLING AS PER IS 1538

DN	OD	P.C.D.	HOLE	DIA OF HOLE
200	340	295	08	M20

**Ref no.:** 64084.1/WW\_Se/KL/KWA-/AMRUT\_Peechi Reservoir /STS/MNG-/STS/-/STS/-/PS/PSI ?  
**END Customer :** KWA  
**Project :** AMRUT\_Peechi Reservoir  
**Pump Model :** ARS\_H\_PS\_1st\_VoG\_2052\_MQ\_M\_0215\_00415\_NJ.  
**Motor Rating :** 215 hp  
**Head :** 45 mtr  
**Delivery Size :** 200 mm  
**Motor Speed :** 1500 (syn)  
**Discharge :** 833 m<sup>3</sup> / hr  
**PUMP WITH 10.0 mtr CABLE**  
**PONTON MOUNTED HORIZONTAL PORTABLE STAND YES**  
**Total QTY. 4 (3W+1S)**  
**AQUA SUBMERGED CENTRIFUGAL RAW WATER PUMPSET**  
**GENERAL ARRANGEMENT DRAWING**

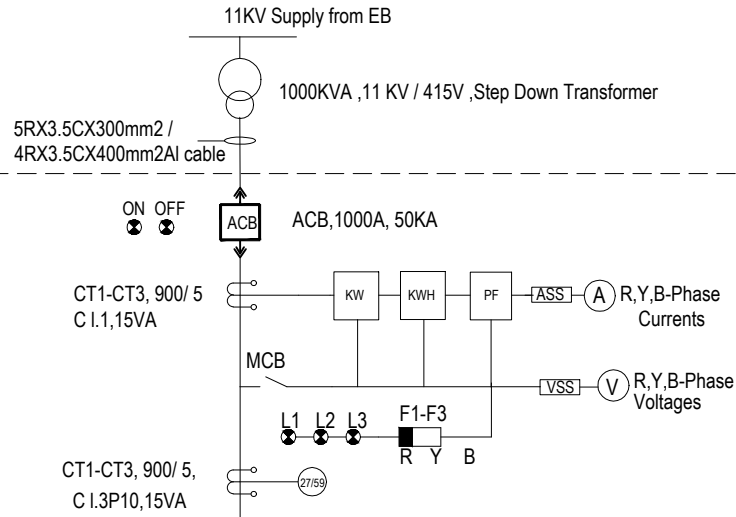
**Aqua Machineries (P) Ltd.**  
 Plot No. 3821, G.I.D.C., Phase-IV, Vatva, Ahmedabad-382445, India.  
 Tel. : + 91 79 25840954 / 240 / 915 Fax : +91 79 25840145  
 Email : marketing@aquapumps.com Web : www.aquapumps.com

1) ARRANGEMENT SHOWN IS INDICATIVE		3) DO NOT SCALE THIS DRAWING	
2) PARTS NOT GIVEN ARE IN CLIENT'S SCOPE		4) ALL DIMMS. ARE IN mm, UNLESS SPECIFIED	
DRN BY :-	AMPS	DATE :-	21/02/2018
CHD BY :-	PMS	DATE :-	21/02/2018
APD BY :-	PMS	DATE :-	21/02/2018

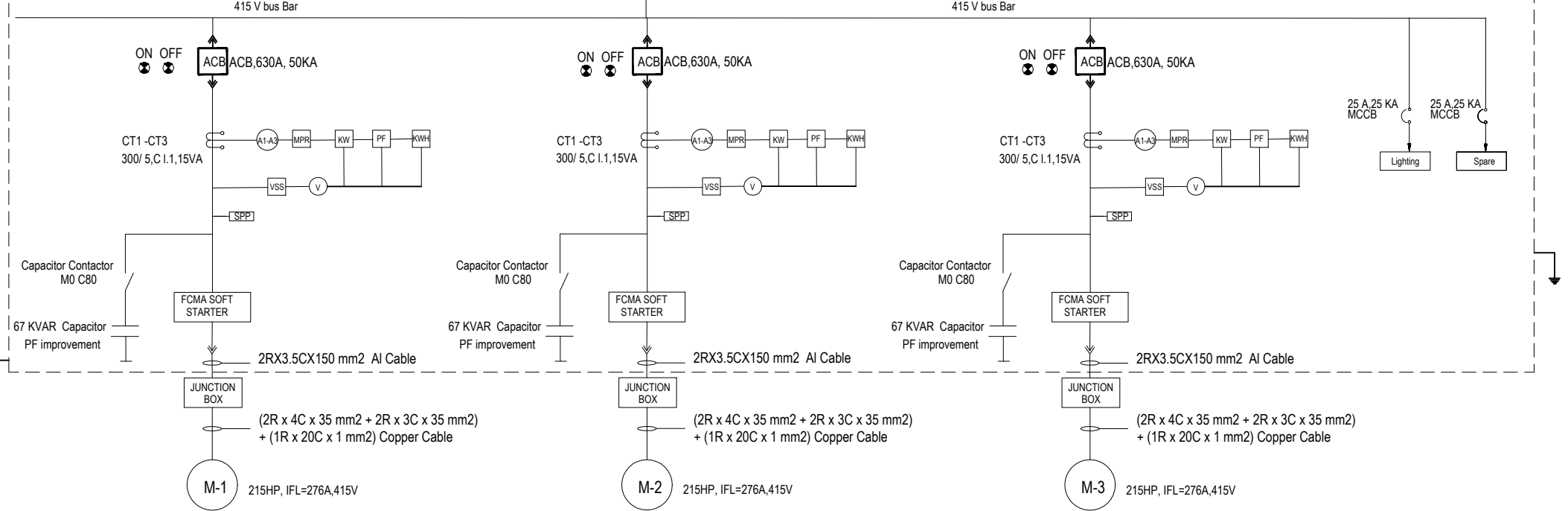
Rev -02



SPP	Single Phase Prevension Relay
OLR	Over Load Protection
MCCB	Moulded Case Circuit Breaker
MCB	Mineature Circuit Breaker
CT	Current Transformer
M	Motor
PF	Power Factor
KW	Killo Watt Meter
MPR	Motor Protection Relay
ASS	Ammeter Selector Switch
VSS	Voltmeter Selector Switch
27/59	Under Over Voltage Relay

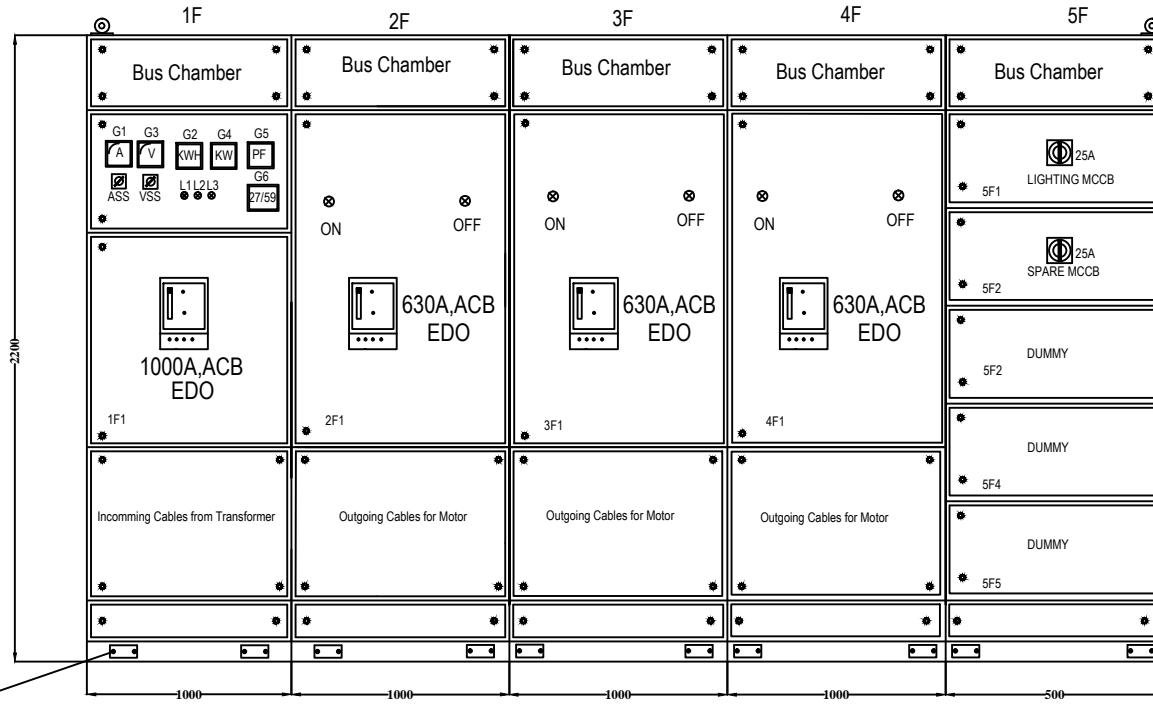


MCC PANEL

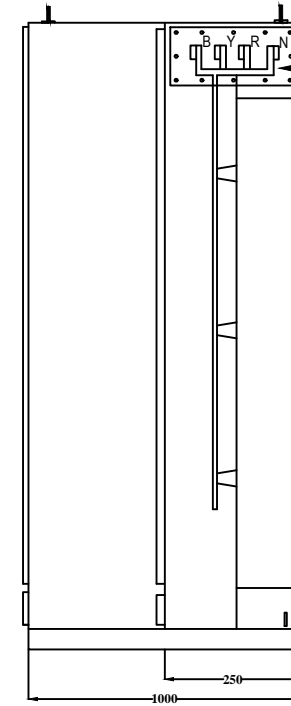


			<b>INTEGRATED ENGINEERING</b>		
2018	NAME	DATE	Name of the pump house:  SINGLE LINE DIAGRAM OF PUMP HOUSE		
DRN	RDB	26.02.18			
CHD					
APPD					
SCALE	NTS		DRAWING NO. IE/K/375/17-18		
www.ieplgroup.com softstarters@gmail.com					
			01	of 03	0

# Preliminary GA for MCC panel with ACB at incommmer and Out Going ACB



FRONT VIEW



SIDE VIEW

REMOVABLE PLATE FOR DISTRIBUTION BUS EXTENTION

**NOTE :-**

**FABRICATION :-**

- STRUCTURE : 14 SWG
- DOOR/COVER/PARTITION 16 SWG
- GLAND PLATE : 10 SWG
- BASE CHANNEL :
- PAINTING : SIEMENS GREY
- EXTERIOR INTERIOR :
- VBC 1,2 & 3 :
- NEUTRAL BUS :
- EARTH BUS :
- CABLE ENTRY : BOTTOM ONLY
- LIFTING HOOKS : 12 mm SIZE
- SHIPPING SECTION: 02 NOS.
- DOOR LOCK: ZINC TYPE
- INSTALLATION : INDOOR
- MOUNTING : FLOOR
- WEIGHT :

REMOVABLE PLATE FOR FOUNDATION BOLTING

NOTE : Dimesions mentioned are minimum and tentative Manufacturer shall submit actual dimensions during detail engineering

			<b>INTEGRATED ENGINEERING</b>																	
			<table border="1"> <thead> <tr> <th>2018</th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRN</td> <td>RDB</td> <td>26.02.18</td> </tr> <tr> <td>CHD</td> <td></td> <td></td> </tr> <tr> <td>APPD</td> <td></td> <td></td> </tr> <tr> <td>SCALE</td> <td>NTS</td> <td></td> </tr> </tbody> </table>			2018	NAME	DATE	DRN	RDB	26.02.18	CHD			APPD			SCALE	NTS	
2018	NAME	DATE																		
DRN	RDB	26.02.18																		
CHD																				
APPD																				
SCALE	NTS																			
www.iepgroup.com softstarters@gmail.com			GENERAL ARRANGEMENT DRAWINGS																	
			DRAWING NO. IE/K/375/17-18		Sheet 02 of 03															
					REV. 0															