



NOTES:

----- CHEEK PLT 10MM

CHEEK PLT 10MM

SPREADER BAR PLAN (SCALE 1:10)

SPREADER BAR ELEVATION

TYPE 1

 $SIZE = 2500 \times 2500 \times 1500 \text{ (LxBxH)}$

(SCALE 1:30)

TYPE 2

SIZE= 2000x2000x750 (LxBxH)

(SCALE 1:30)

L/B

SIZE = 750x750x750 (LxBxH)(SCALE 1:30)

(SCALE 1:10)

- 1. ALL DIMENSIONS ARE IN MM U.N.O
- 2. CONCRETE GRADE FOR ANCHORS SHALL BE M30 AND STEEL GRADE FOR ANCHORS SHALL BE FE500.
- 3. TOP SURFACE OF PCC OF RESERVOIR BED TO BE ROUGHENED AND APPROVED BONDING AGENT TO BE APPLIED BEFORE CASTING IN-SITU CONCRETE OF
- 4. CLEAR COVER TO OUTER MOST REINFORCEMENT IS 75MM.
- 5. STRUCTURAL STEEL GRADE E250 AS PER IS 2026 SHALL BE HOT DIP GALVANIZED.
- 6. ALL FASTENERS (NUTS AND BOLTS) SHALL BE SS 316.
- 7. REINFORCEMENT SHALL BE EPOXY COATED IN ACCORDING WITH IS 13620.

DRAWING REFERENCE:

- 1. ARS-2020-349-10-029-NG-HY-02 REDUCED LEVEL CHART.
- 2. SCCL-STPPS-SECI-NGESL-DWG-ELE-046 OVERALL PLANT LAYOUT WITH EQUIPMENT LAYOUT PLAN.

BILL OF MATERIAL

PARTS	DESCRIPTION	QUANTITY (NOS.)		
ANCHOR TYPE 1	GRAVITY ANCHOR	55		
ANCHOR TYPE 2	GRAVITY ANCHOR	46		
ANCHOR TYPE 3	GRAVITY ANCHOR	56		
ANCHOR TYPE 4	GRAVITY ANCHOR	4		
REINFORCEMENT	EPOXY COATED GRADE Fe 500	20.0 T		
SHACKLE	SWL 3.75t FOR SPREADER BAR AND TURN BUCKLE CONNECTION	628		
SHACKLE SWL 6t FOR FITTING ANCHOR & ROPE		314		
OORING ROPE SWL 6t MBL(POLYESTER)		1413 m		
STEEL CHAIN	SWL 6t GALV. STEEL 1.5M EACH	157		
DELTA PLATE	SWL 6t	157		
SPREADER BAR	20MM THK. AS SHOWN IN DRAWING SWL 6T	157		
TURNBUCKLE	SWL 3.75t	314		
SHACKLE CONNECTION	AS SHOWN IN DRAWING(MS GALVENIZED)	157		
CHEEK PLATE	AS SHOWN IN DRAWING(MS GALVENIZED)	314		
FLOATER FRAME 1	130 KG PER FRAME	111		
FLOATER FRAME 2	165 KG PER FRAME	46		
M24 BOLT & NUTS	SS 316	628		



Dr. S. NALLAYARASU Department of Ocean Engineering Indian Institute of Technology Madras Chennai - 600 036., India

	NT: BARENI COLLIERIES COMPANY TED (SCCL)	PMC SOLAR OF IND			PORATION
N DI	TRACTOR MENSIONS BUSINESS UTIONS LLP	EPC CON NOVUS SYSTEM	GREEN		GY
Rev	Description	DRN By	CKD By	Signed	Date
0	ISSUED FOR APPROVAL	SLD	DP	SS	03/11/2022

CONSULTANT

RINA CONSULTING S.P.A

THIS DRAWNG AND ITS CORRESPONDING DESIGN IS PROPERTY OF RINA CONSULTING S.P.A. AND IS SUBJECT TO RECALL. IT SHALL BE USED ONLY FOR THE SPECIFIC PURPOSE FOR WHICH IT IS ISSUED. IT SHALL NOT BE LENT, COPIED, MODIFIED, REPRODUCED, EXHIBITED OR DISCLOSED, IN WHOLE OR IN PART WITHOUT THEIR WRITTEN CONSENT.

DRAWN BY	DESIGNED	CHECKED BY	APPROVED	DATE
SLD	BP	DP	SK	03/11/2022

PROJECT TITLE

15MW FLOATING SOLAR PV POWER PLANT AT SCCL, TELANGANA

DRAWING TITLE

10MW - ANCHORING AND MOORING ARRANGEMENT- LAYOUT & DETAILS

DRAWING NO. P0026750-LAY-02