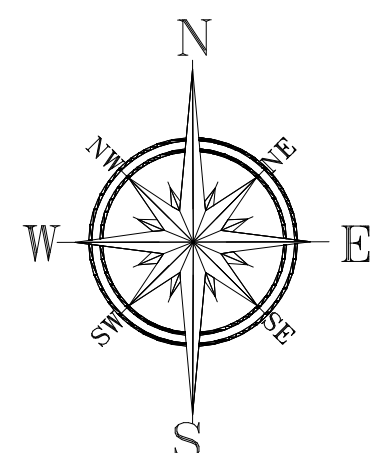


		DEVELOPMENT OF 129 MW AC SOLAR PHOTOVOLTAIC PLANT -AT SCCL,Telangana				
PROJECT NAME:		MANUGURU 30MW SOLAR PV PROJECT				
TITLE OF THE DRAWING:		ARRAY LAYOUT				
DOCUMENT NO:		BHEL-SECI-SD-SCCL30-DWG-ELE-003				
SL.NO	CONTENTS					
1	ARRAY LAYOUT					
1	12-06-2019	FOR APPROVAL				
0	14-05-2019	FOR APPROVAL	SP	PRV	PRV	
REV NO.	DATE	STATUS	INITIALS	INITIALS	INITIALS	
PROJECT:			PREPARED BY	CHECKED BY	APPROVED BY	
DEVELOPMENT OF 129 MW-AC SOLAR			DOC No:	BHEL-SECI-SD-SCCL30-DWG-ELE-003		
PHOTOVOLTAIC PLANT FOR SCCL, TELANGANA			DOC Name:	ARRAY LAYOUT		



BLOCK 1

S NO	EASTING	NORTHING	POINT
1	4815156.8710	1981585.6050	P1
2	4815105.2900	1981660.1120	P2
3	481607.3980	1981804.1890	P3
4	481638.0580	1981900.1060	P4
5	481701.6020	1981957.1300	P5
6	481674.5470	1981973.512	P6
7	481672.9650	1981920.3330	P7
8	481693.8520	1981716.6240	P8
9	481693.8530	1981920.9590	P9
10	481712.5650	1981716.7560	P10
11	481716.8160	1981756.8130	P11
12	481763.2520	1981804.1890	P12
13	481762.7460	1981755.9660	P13
14	481772.9590	1981931.2450	P14
15	481770.5860	1981793.3360	P15
16	481777.4110	1981829.1150	P16
17	481765.4230	1981833.3990	P17
18	481777.7400	1981894.4390	P18
19	481853.4930	1981895.3070	P19
20	481916.7870	1981900.1060	P20
21	481826.9740	1981610.1220	P21
22	481765.0510	1981485.5880	P22
23	481720.8200	1981676.4240	P23
24	481701.0560	1981374.1750	P24
25	481700.0590	1981288.3860	P25
26	481702.1960	1981276.4230	P26
27	481702.1560	1981271.6630	P27
28	481654.1120	1981252.5660	P28
29	481650.1430	1981261.0010	P29
30	481606.0130	1981256.8890	P30
31	481607.7120	1981260.1190	P31
32	481606.3490	1981267.2000	P32
33	481428.2050	1981541.0690	P33
34	481444.8200	1981546.5320	P34
35	481453.4460	1981535.8630	P35
36	481555.6780	1981537.9370	P36
37	481564.1260	1981546.5320	P37
38	481559.2110	1981667.4700	P38
39	481448.3130	1981567.3410	P39
40	481485.3860	1981828.7370	P40

SINO
1

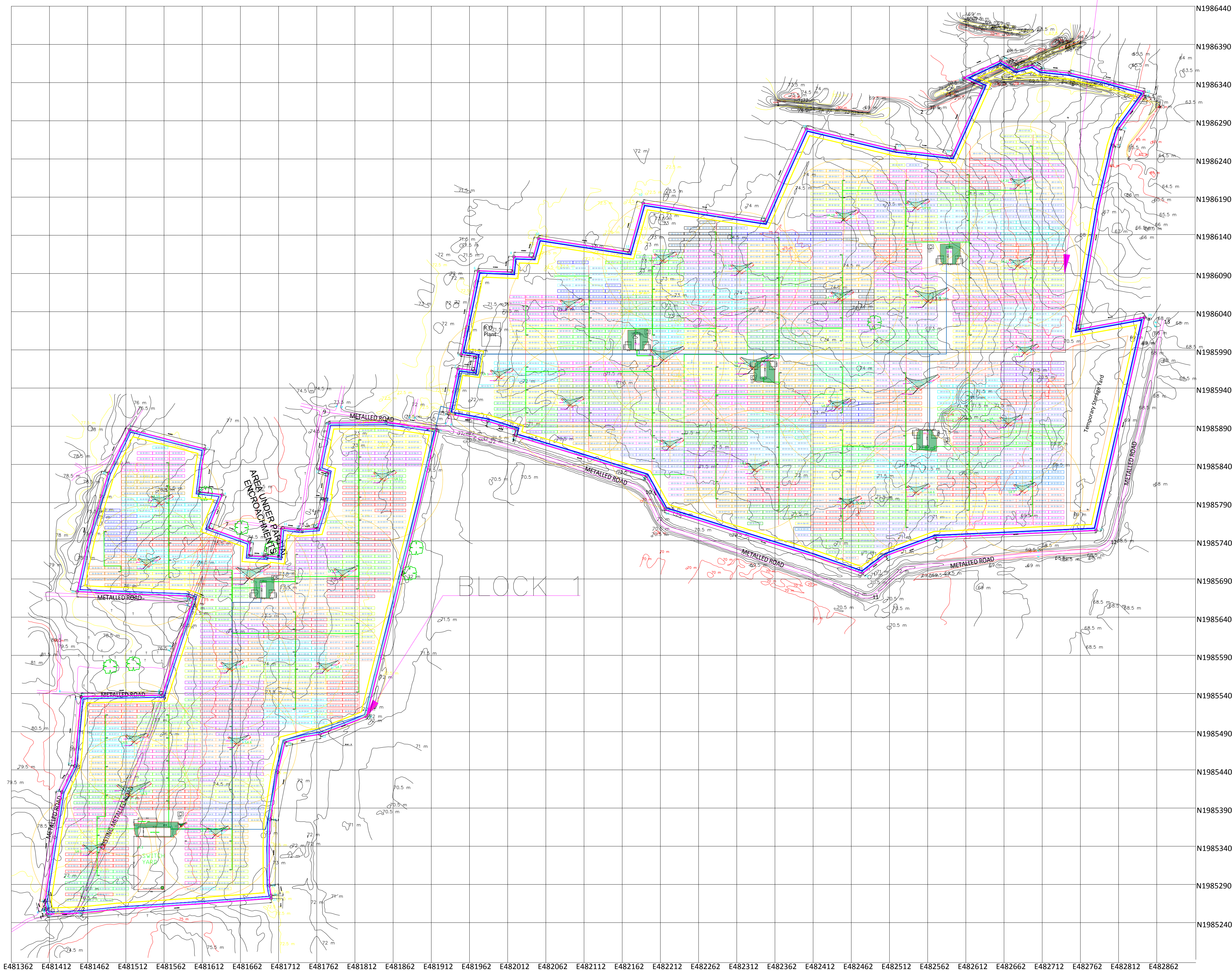
1	481935.1128	198906.1177	P71
2	481961.9045	198906.0323	P72
3	481968.3232	198906.2606	P73
4	481973.1258	198906.2754	P74
5	481950.6511	198908.3932	P75
6	481973.1856	198906.6321	P76
7	482018.1135	198609.1739	P77
8	482020.0642	198611.0688	P78
9	482045.1031	198611.1359	P79
10	482052.4483	1986136.2227	P80
11	482171.0430	198617.9122	P110
12	482189.3864	198618.4088	P112
13	482248.5490	198619.8767	P113
14	482267.9003	198617.8754	P114
15	482159.0484	198620.0209	P115
16	482593.4799	1986243.5024	P116
17	482334.6084	198633.7840	P117
18	482008.9781	1986144.3562	P118
19	482557.6083	198638.6591	P119
20	482677.9488	1986356.7121	P120
21	482699.3312	1986362.2428	P121
22	482709.7691	1986356.4145	P122
23	482717.8883	1986352.4185	P123
24	482801.9594	1986328.0460	P124
25	482844.3024	198621.4852	P125
26	482812.2959	1986279.4300	P126
27	482805.3417	1986257.2448	P127
28	482759.1484	1986016.9736	P128
29	482846.1719	1986032.6985	P129
30	482782.7287	1985751.5235	P130
31	482572.0092	1985744.1923	P131
32	482507.1032	1985720.4080	P132
33	482576.6331	1985697.1266	P133
34	482218.0202	1985780.7008	P134
35	482353.5380	198587.1288	P135
36	482301.5806	198587.7257	P136
37	482022.9048	1985485.3863	P137
38	481885.9047	1985858.6038	P138

THE TOTAL AREA OF LAND HAS BEEN COMPUTED AS

LAND:-

AREA	SQ.M.	HECTARE	ACRE
PORTION-1	191434.7155	19.14	47.30
PORTION-2	375797.8086	37.57	92.8

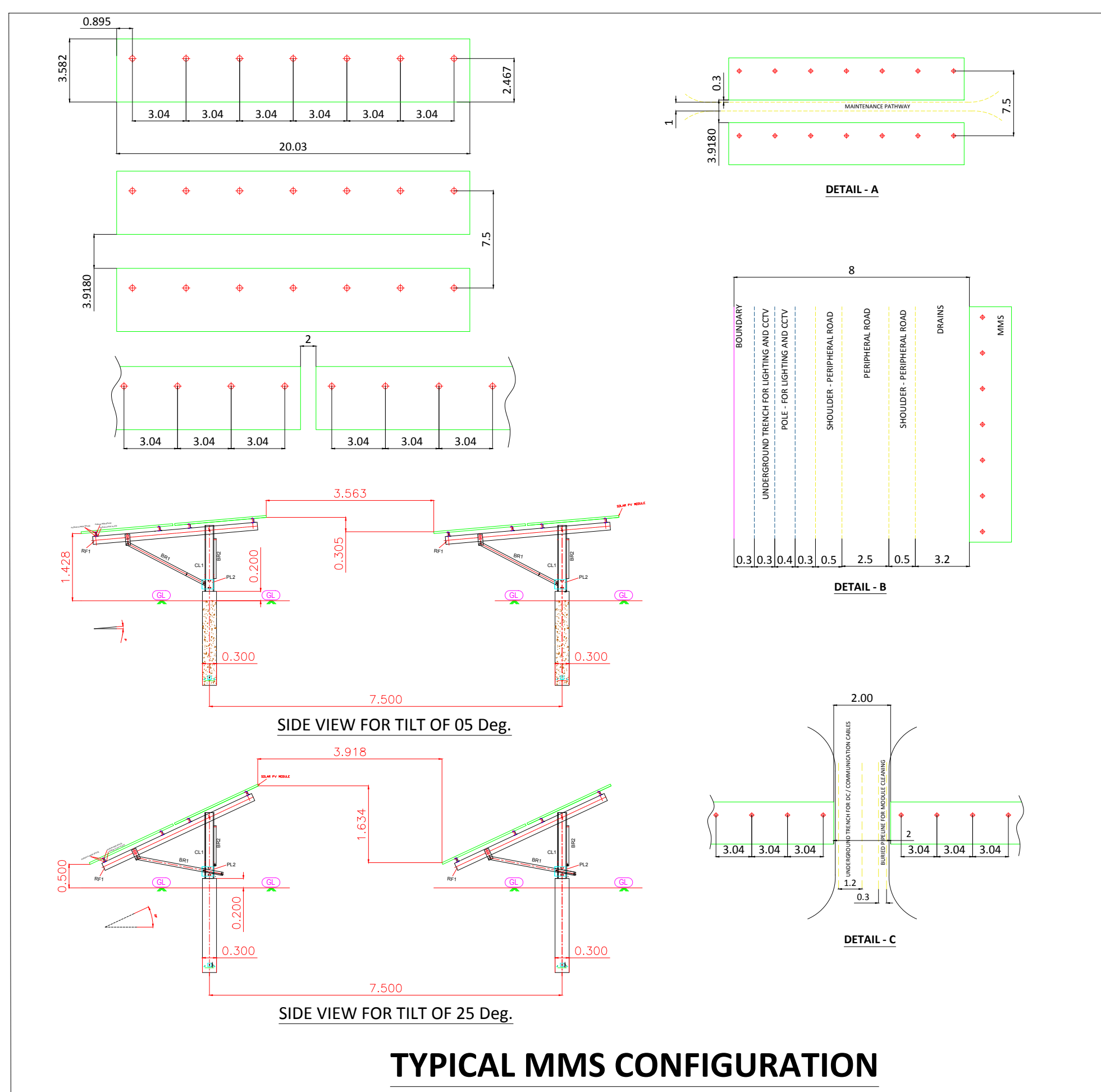
BLOCK 2



LA HEIGHT-

11M LA
LA 3, LA 9, LA 10, LA 12, LA 13, LA 22

7M LA
ALL BALANCE LAs ARE 7M HEIGHT.



NALLAH CO ORDINATES

Sl NO	EASTING	NORTHING
1	482363.5297	1986313.9347
2	482547.6272	1986303.0688
3	482655.0638	1986348.1420
4	482759.0906	1986394.4224
5	482862.0783	1986311.9590
6	482823.2978	1986243.0322

METALLED ROAD CO ORDINATES

SI NO	EASTING	NORTHING
1	481400.9326	1985252.9595
2	481450.8510	1985259.4717
3	481442.8328	1985446.1567
4	481450.9814	1985537.0813
5	481559.2740	1985537.3740
6	481598.8398	1985657.6666
7	481641.5910	1985765.2276
8	481739.7129	1985755.0203
9	481767.9934	1985911.4958
10	482188.2127	1985806.2032
11	482488.2126	1985668.2032
12	482799.7735	1985317.2764
13	482870.3110	1986029.0811
14	481637.6115	1985786.4269

Road Coordinates

Pt No	Easting (m)	Northing (m)	Block
1	481422.6676	1985251.6372	1
2	481423.0228	1985257.2253	
3	481576.9435	1985628.2096	
4	481576.9250	1985359.9136	
5	481570.9305	1985359.9136	
1	481691.8248	1985664.9500	1
2	481691.8279	1985664.9500	
3	481856.2900	1985659.5663	
4	481856.2900	1985659.5663	
5	481779.5140	1985982.1490	
1	482181.2396	1985982.1490	2
2	482181.3101	1985989.8844	
3	482351.7735	1985982.1490	
4	482351.7741	1985974.5193	
5	482564.5680	1985982.1490	
7	482564.5680	1985888.5150	2
8	482559.5139	1985888.5150	
9	482559.5139	1985888.5150	
10	482586.5244	1985982.1490	
11	482586.5244	1986009.5935	
12	482590.5420	1986009.5935	2
13	482590.4956	1986102.4002	

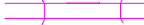
NOTES:

1. ARRAY LAYOUT DRAWING IS ONLY FOR DETAILS OF MMS TABLES IN THE PLANT, OTHER DETAILS SHOWN ARE TENTATIVE AND INDICATED TO SHOW CLEARANCES ONLY IN THE PLANT.
2. MAIN GATE CONSTRUCTION IS IN THE SCOPE OF SCLL, GATE LOCATION SHOWN IN THE DRAWING IS TENTATIVE.
3. SECURITY ROOM/ SECURITY CABIN WILL BE PROVIDED NEAR THE MAIN GATE AND AT STRATEGIC LOCATIONS. (SECURITY ROOM-1 NO, SECURITY CABIN-5 NOS)
4. 8M LEFT BETWEEN BOUNDARY AND ARRAY FOR CONSTRUCTION OF PERIPHERAL ROAD (2.5M) AND OTHER UTILITIES

NOTE:

1. WFL OF THE LAND IS 65.472M
2. TOTAL NUMBER OF TABLES - 2520 NOS.
3. LENGTH OF TABLE IS 20.03M.
4. NUMBER OF MODULES IN EACH TABLE - 40 MODULES
5. INTER ROW SPACING - 7.5M.
6. PERIPHERAL ROAD - 2.5m WIDTH.
7. CLEAR HEIGHT OF BUILDINGS : MCR - 5M IR - 5M
8. ALL DIMENSIONS ARE IN METERS.

LEGEND:

	BOUNDARY		NALLAM
	OTHER INLET		MANHOLE CONTROLLER
	METALLIZED ROAD		WALKER CONTROLLER
	CONCRETE		ELECTRIC POLE
	DC CABLE LINE		HT CABLE LINE
	SOAK PIT & SEPTIC TANK		
	WEATHER MONITORING SYSTEM		PIPING LAYOUT
	SECURITY CABIN		LIGHTNING ARRESTOR
	PROPOSED STORAGE YARD		SECURITY ROOM
	MAIN GATE		WATER TANK
			LIGHTING AND CCTV TRENCH
			DRAIN

TITLE: ARRAY LAYOUT

BHEL DRG. No. BHEL-SFCI-SP-SCCL30-DWG-FLE-003

A0 SIZE