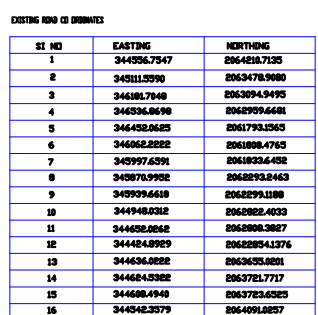


		DEVELOPMENT OF 129 MW AC SOLAR PHOTOVOLTAIC PLANT -AT SCCL,Telangana					
PROJECT NAME:		RAMAGUNDAM 50MW SOLAR PV PROJECT					
TITLE OF THE DRAWING:		ARRAY LAYOUT					
DOCUMENT NO:		BHEL-SECI-SD-SCCL50-DWG-ELE-003					
SL.NO		CONTENTS					
1		ARRAY LAYOUT					
0	15-06-2019	FOR APPROVAL		SP	PRV	PRV	
REV NO.	DATE	STATUS		INITIALS	INITIALS	INITIALS	
PROJECT:				PREPARED BY	CHECKED BY	APPROVED BY	
DEVELOPMENT OF 129 MW-AC SOLAR				DOC No:	BHEL-SECI-SD-SCCL50-DWG-ELE-003		
PHOTOVOLTAIC PLANT FOR SCCL, TELANGANA				DOC Name:	ARRAY LAYOUT		



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 SCCL, GATE LOCATION SHOWN IN THE DRAWING IS TENTATIVE.
3. SECURITY ROOM/ SECURITY CABIN WILL BE PROVIDED NEAR THE MAIN GATE.
4. 8M LEFT BETWEEN BOUNDARY AND ARRAY FOR CONSTRUCTION OF PERIPHERAL ROAD (2.5M) AND OTHER UTILITIES

LA HEIGHT-

11M LA

LA 4, LA 9, LA 16, LA 20, LA 27, LA 32 - Block B

LA 4, LA 11, LA 12 - Block C

7M LA
ALL BALANCE LAs ARE 7M HEIGHT.

NOTE:

1. HFL OF THE LAND IS 159.55M
2. TOTAL NUMBER OF TABLES - 2520 NOS.
3. LENGTH OF TABLE IS 2003M.
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.

PV Module Details
Block B - 2846 tables
Block C - 1125 tables
Block D - 135 tables
Block E - 60 tables
Total - 4166 tables
Make - Risun

AREA	SQ. FT.	HECTARE	ACRE
PART A&B	872420.3281	87.24	198.18
PART C	232977.9601	23.29	57.24
PART D	75846.1848	7.58	18.24
PART E	46182.8725	4.61	11.41

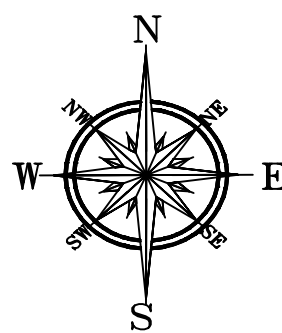
SEASON	DATE	OFFENSE	DEFENSE	POINT
1	10/01/00	24780	24900	1702
2	10/02/00	25100	24900	1760
3	10/03/00	24700	24900	1760
4	10/04/00	24700	24900	1760
5	10/05/00	24700	24900	1760
6	10/06/00	24700	24900	1760
7	10/07/00	24700	24900	1760
8	10/08/00	24700	24900	1760
9	10/09/00	24700	24900	1760
10	10/10/00	24700	24900	1760
11	10/11/00	24700	24900	1760
12	10/12/00	24700	24900	1760
13	10/13/00	24700	24900	1760
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95	10/95/00	24700	24900	1760
96	10/96/00	24700	24900	1760
97	10/97/00	24700	24900	1760
98	10/98/00	24700	24900	1760
99	10/99/00	24700	24900	1760
100	10/100/00	24700	24900	1760

LEIX - C	NO	EXTENS	MPRONTES	PUNTO
1	340007.7388	300791.8114	P13	
2	340008.7388	300791.8114	P13	
3	340015.8474	300824.5440	P14	
4	340018.7928	300900.4740	P14	
5	340019.8102	300934.5440	P14	
6	340018.5454	300934.5440	P14	
7	340022.8724	300973.3939	P17	
8	340007.7340	300974.3939	P17	
9	340077.4744	300978.7898	P19	
10	340011.8748	300921.6028	P19	
11	340030.3083	300927.7048	P19	
12	340031.0883	300927.7048	P19	
13	340030.8947	300927.7048	P19	
14	340028.4943	300928.3227	P19	
15	340031.3908	300948.0088	P19	
16	340077.4722	300948.0088	P19	
17	340028.7928	300948.0088	P19	
18	340028.1438	300950.7727	P19	
19	340041.5680	300950.5068	P19	
20	340048.8237	300947.4880	P19	
21	340040.7120	300947.4880	P19	
22	340037.8978	300952.9127	P19	
23	340044.8888	300971.8114	P19	

BLKCD - 0	EASTING	NORTHING	PCB#1
1	340927.4150	2602037.8500	P15
2	340770.8194	2602058.4284	P16
3	340703.5982	2602108.3700	P13
4	340581.0300	2602165.4532	P14
5	340508.8882	2602195.7300	P15
6	340571.7308	2602247.4104	P16
7	340681.0800	2602388.8601	P17
8	340664.3447	2602353.5291	P18
9	340711.5763	2602370.3433	P19
10	340846.5859	2602326.3384	P20

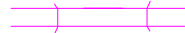
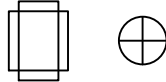
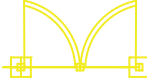
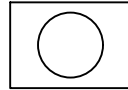
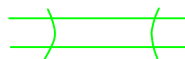
II	340897.0603	2082214.8302	PTS
BLOCK -C			
2E NO	EASTING	NORTHINGS	POINT
1	3405176.8508	20405991.7364	PTS
2	3408501.7761	20405989.7158	PTS
3	3407994.5388	20403889.4248	PTS
4	3406866.7009	20402630.8573	PTS
5	3406807.0494	20400950.6583	PTS

Row #	Latitude	Longitude	Type	Block
1	44569.761	103124.036	Approach Road	A
2	44574.762	103124.036		
3	44588.078	103124.036		
4	44593.078	103124.036		
5	44597.078	103124.036		
6	44601.078	103124.036		
7	44605.078	103124.036		
8	44609.078	103124.036		
9	44613.078	103124.036		
10	44617.078	103124.036		
11	44621.078	103124.036		B
12	44625.078	103124.036		
13	44629.078	103124.036		
14	44633.078	103124.036		
15	44637.078	103124.036		
16	44641.078	103124.036		
17	44645.078	103124.036		
18	44649.078	103124.036		
19	44653.078	103124.036		
20	44657.078	103124.036		
21	44661.078	103124.036		C
22	44665.078	103124.036		
23	44669.078	103124.036		
24	44673.078	103124.036		
25	44677.078	103124.036		
26	44681.078	103124.036		
27	44685.078	103124.036		
28	44689.078	103124.036		
29	44693.078	103124.036		
30	44697.078	103124.036		
31	44701.078	103124.036		D
32	44705.078	103124.036		
33	44709.078	103124.036		
34	44713.078	103124.036		
35	44717.078	103124.036		
36	44721.078	103124.036		
37	44725.078	103124.036		
38	44729.078	103124.036		
39	44733.078	103124.036		
40	44737.078	103124.036		
41	44741.078	103124.036		E
42	44745.078	103124.036		
43	44749.078	103124.036		
44	44753.078	103124.036		
45	44757.078	103124.036		
46	44761.078	103124.036		
47	44765.078	103124.036		
48	44769.078	103124.036		
49	44773.078	103124.036		
50	44777.078	103124.036		



IR	Remapped SOMW		
	Pos	East (m)	North (m)
1	B	34618.1738	26254.2960
	C	34618.4178	26254.2960
	D	34618.1470	26254.2960
	A	34618.0398	26249.8139
2	C	34618.0666	26249.8139
	D	34618.0666	26249.8139
	A	34618.5686	26249.8139
	B	34618.5686	26249.8139
3	A	34618.4712	26249.8139
	B	34618.4712	26249.8139
	C	34618.4712	26249.8139
	D	34618.4712	26249.8139
4	D	34618.7512	26249.8139
	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
5	A	34618.4839	26249.8139
	B	34618.4839	26249.8139
	C	34618.4839	26249.8139
	D	34618.4839	26249.8139
6	D	34618.7512	26249.8139
	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
7	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
8	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
9	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
10	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
11	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
12	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
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	D	34618.7512	26249.8139
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	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
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	B	34618.7512	26249.8139
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	B	34618.7512	26249.8139
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	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
46	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
48	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
49	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
50	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
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	D	34618.7512	26249.8139
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	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
53	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
54	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
55	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
56	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
57	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
58	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
59	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
60	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
61	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
62	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
63	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
64	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
65	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
66	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
67	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
68	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
69	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
70	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
71	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
72	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
73	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
74	A	34618.7512	26249.8139
	B	34618.7512	26249.8139
	C	34618.7512	26249.8139
	D	34618.7512	26249.8139
75	A	34618.7512	26249.8139
	B		

LEGEND:-

	DRAINS
	BOUNDARY
	NALLAH
	OTHER TREE
	METALLED ROAD
	WELL
	WATER BODY
	CULVERT
	ELECTRIC POST
	DC CABLE LINE
	HT CABLE LINE
	SOAK PIT & SEPTIC TANK
	INTERNAL ROAD
	WEATHER MONITORING SYSTEM
	PIPING LAYOUT
	SECURITY CABIN
	LIGHTNING ARRESTOR
	PROPOSED STORAGE YARD
	SECURITY ROOM
	MAIN GATE
	WATER TANK
	MAINTENANCE PATHWAY
	LIGHTING AND CCTV TRENCH
	PERIPHERAL ROAD
	MINOR CONTOUR
	MAJOR CONTOUR

PROJECT : 50MW SOLAR POWER PROJECT, RAMAGUNDAM

CUSTOMER : SCCL

PROJECT	: 50MW SOLAR POWER PROJECT, RAMAGUNDAM
CUSTOMER	: SCCL
CONSULTANT	: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: ARRAY LAYOUT

		SHEET No.	01
BHEL DRG. No.		REV	00

BHEL-SECI-SD-SCCL50-DWG-ELE-003

No. OF SHEETS	01
SHEET No.	01
REV	00

LE-003