

Name of IPP : Serentica Renewables India Pvt. Ltd.

EPC : Sorigin RE Services Private Limited

PROJECT NAME- Construction of proposed 400KV DC line using AL-59 Moose conductor from Proposed PSS at Shendi village to the proposed 400/220KV sub station at Selu village in Washi Taluk, Osmanabad District, Maharashtra.

TOWER SCHEDULE

Sl No.	Loc No.	AP No	Type of Tower	RC	Angle of Deviation	Span Length (m)	Section Length (m)	Cumm. Length (m)	Wind Span (m)	Weight Span Hot (m)			Weight Span Cold (m)			GPS COORDINATES UTM		Elevation	Crossing 's Remarks
										Left	Right	Total	Left	Right	Total	EASTING	NORTHING		
1	Gty	GTy	GANTRY			100.881		0.00	51	0.00	23.00	23.00	0.00	26.00	26.00	623879.0	2000692.9	651.1	
2	LOC-1	DE	DE+0		7°33'27"RT		101	100.88	95	79.00	-126.00	-47.00	76.00	8.00	84.00	623974.6	2000660.6	652.33	TAR RD
						87.385													-
3	LOC-2	AP-1	DD+3		58°16'59"RT		87	188.27	125	213.00	-114.00	99.00	79.00	16.00	95.00	624052.9	2000621.9	653.6	
						162.557													LT
4	LOC-3	AP-2	DD+9		54°50'30"RT		163	350.82	296	276.00	277.00	553.00	147.00	258.00	405.00	624068.4	2000460.1	658.05	
						428.205													TAR RD,33KV,MUD RD,LT
5	LOC-4	AP-3	DD+3		51°30'23"LT		428	779.03	359	152.00	144.00	296.00	171.00	145.00	316.00	623743.3	2000181.3	652.2	
						290.513													MUD RD
6	LOC-5	3/1	DB+0		2°31'39"RT		291	1069.54	289	147.00	53.00	200.00	146.00	96.00	242.00	623754.1	1999891.0	655.35	
						286.883													MUD RD,NALA,LT
7	LOC-6	AP-4	DB+3		4°20'16"RT		287	1356.42	326	235.00	163.00	398.00	192.00	171.00	363.00	623752.1	1999604.2	662.58	
						365.39													LT,11KV,BUND,33KV
8	LOC-7	AP-5	DC+0		12°40'19"LT		365	1721.81	332	203.00	71.00	274.00	195.00	106.00	301.00	623721.9	1999240.0	668.69	
						298.457													LT
9	LOC-8	AP-6	DD+6		48°42'36"LT		298	2020.27	345	228.00	173.00	401.00	193.00	182.00	375.00	623763.1	1998944.4	672.02	
						392.215													11KV,TAR RD,LT
10	LOC-9	6/1	DA+6					2412.49	410	219.00	242.00	461.00	212.00	233.00	445.00	624090.7	1998728.7	675.911	
						427.997													11KV,MUD RD
11	LOC-10	6/2	DA+3					2840.48	405	187.00	213.00	400.00	197.00	206.00	403.00	624448.1	1998493.4	673.899	
						381.005													11KV,LT
12	LOC-11	6/3	DA+3					3221.49	385	168.00	215.00	383.00	176.00	208.00	384.00	624766.4	1998283.9	670.239	
						388.999													11KV,NALA,CANAL,LT
13	LOC-12	6/4	DA+6					3610.49	329	174.00	250.00	424.00	182.00	209.00	391.00	625091.3	1998070.0	663.841	
						268.992													TAR RD,11KV
14	LOC-13	6/5	DB+0		0°00'01"RT			3879.48	325	20.00	55.00	75.00	60.00	103.00	163.00	625316.0	1997922.1	656.557	
						379.7													LT,11KV,MUD RD
15	LOC-14	AP-7	DD+30		15°59'17"LT		2239	4259.18	290	326.00	140.00	466.00	279.00	116.00	395.00	625633.1	1997713.3	648.78	
						199.346													400KV,LT
16	LOC-15	AP-8	DD+30		50°33'39"RT		199	4458.53	304	60.00	336.00	396.00	84.00	294.00	378.00	625823.3	1997653.7	646.03	
						408.589													NALA
17	LOC-16	8/1	DB+9				409	4867.11	411	74.00	176.00	250.00	116.00	186.00	302.00	625976.8	1997275.1	643.323	
						412.891													LT,11KV,MUD RD
18	LOC-17	AP-9	DD+9		57°56'47"LT		413	5280.01	441	238.00	256.00	494.00	228.00	251.00	479.00	626132.0	1996892.4	648.92	
						469.103													LT,MUD RD,11KV
19	LOC-18	9/1	DB+3		6°54'55"LT		469	5749.11	431	214.00	191.00	405.00	220.00	193.00	413.00	626594.0	1996811.1	650.445	

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TOWER SCHEDULE

Sl No.	Loc No.	AP No	Type of Tower	RC	Angle of Deviation	Span Length (m)	Section Length (m)	Cumm. Length (m)	Wind Span (m)	Weight Span Hot (m)			Weight Span Cold (m)			GPS COORDINATES UTM		Elevation	Crossing 's Remarks
										Left	Right	Total	Left	Right	Total	EASTING	NORTHING		
						393.6													NALA,LT
20	LOC-19	AP-10	DD+3		19°10'00"RT		394	6142.71	229	203.00	66.00	269.00	202.00	62.00	264.00	626987.0	1996790.0	651.56	
						63.417													
21	LOC-20 (DWARF)	10A	GANTRY		0°20'59"RT		63	6206.13	67	-21.00	23.00	2.00	-13.00	25.00	12.00	627045.7	1996766.0	652.106	
						67.692													765KV LINE
22	LOC-21 (DWARF)	10B	GANTRY		0°29'42"LT		68	6273.82	78	189.00	13.00	202.00	61.00	17.00	78.00	627108.2	1996740.0	655.154	
						87.742													
23	LOC-22	AP-11	DD+0		29°26'51"RT		88	6361.56	216	76.00	146.00	222.00	72.00	156.00	228.00	627189.5	1996707.0	655.86	
						344.097													CANAL
24	LOC-23	AP-12	DB+0		3°52'45"LT		344	6705.66	354	198.00	194.00	392.00	189.00	190.00	379.00	627403.5	1996437.6	659.72	
						363.345													MUD RD
25	LOC-24	12/1	DA+0					7069.00	380	170.00	232.00	402.00	175.00	220.00	395.00	627648.2	1996169.0	657.92	
						396.031													
26	LOC-25	12/2	DA+3					7465.03	365	164.00	196.00	360.00	177.00	185.00	362.00	627915.0	1995876.3	649.246	
						333.008													LT
27	LOC-26	AP-13	DB+0		5°03'18"RT		1092	7798.04	332	138.00	190.00	328.00	149.00	179.00	328.00	628139.3	1995630.1	648.16	
						330													
28	LOC-27	13/1	DA+0					8128.04	313	140.00	118.00	258.00	151.00	131.00	282.00	628339.2	1995367.5	644.913	
						296.548													NALA
29	LOC-28	AP-14	DC+0		16°59'06"RT		627	8424.59	187	179.00	-19.00	160.00	166.00	28.00	194.00	628518.8	1995131.6	648.6	
						76.763													11KV
30	LOC-29	AP-15	DD+0		2°06'57"LT		77	8501.35	58	95.00	-20.00	75.00	49.00	15.00	64.00	628545.4	1995059.6	649.85	
						38.326													LT
31	LOC-30	AP-16	DC+0				38	8539.68	179	58.00	169.00	227.00	24.00	166.00	190.00	628560.1	1995024.2	650.37	
						319.712													--
32	LOC-31	AP-17	DD+0		57°50'01"RT		320	8859.39	320	150.00	139.00	289.00	155.00	147.00	302.00	628782.5	1994794.6	649.04	
						320.065													LT,MUD RD
33	LOC-32	17/1	DA+0					9179.45	351	182.00	167.00	349.00	174.00	176.00	350.00	628706.5	1994483.7	651.959	
						382.121													--
34	LOC-33	AP-18	DD+0		28°25'38"LT		702	9561.58	311	216.00	116.00	332.00	207.00	118.00	325.00	628615.8	1994112.5	655.88	
						239.769													11KV,NH RD,NALA
35	LOC-34	AP-19	DD+0		38°22'48"LT		240	9801.34	265	124.00	138.00	262.00	122.00	141.00	263.00	628676.6	1993880.5	656.25	
						289.335													MUD RD ,NALA,11KV

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TOWER SCHEDULE

Sl No.	Loc No.	AP No	Type of Tower	RC	Angle of Deviation	Span Length (m)	Section Length (m)	Cumm. Length (m)	Wind Span (m)	Weight Span Hot (m)			Weight Span Cold (m)			GPS COORDINATES UTM		Elevation	Crossing 's Remarks
										Left	Right	Total	Left	Right	Total	EASTING	NORTHING		
36	LOC-35	19/1	DB+0		1°39'12"LT		289	10090.68	277	151.00	-44.00	107.00	148.00	46.00	194.00	628907.8	1993706.7	657.003	
						264.245													-
37	LOC-36	AP-20	DB+9	3M RC	8°17'31"RT		264	10354.92	253	309.00	75.00	384.00	220.00	100.00	320.00	629123.6	1993554.1	662.45	
						240.351													MUD RD,11KV,LT
38	LOC-37	AP-21	DD+9	3M RC	40°44'54"RT		240	10595.28	338	166.00	224.00	390.00	141.00	222.00	363.00	629297.7	1993388.4	666.43	
						434.775													MUD RD,LT
39	LOC-38	21/1	DB+9		0°58'37"LT		435	11030.05	454	211.00	281.00	492.00	214.00	270.00	484.00	629340.8	1992955.8	668.229	
						472.382													MUD RD
40	LOC-39	AP-22	DC+6		21°55'09"LT		472	11502.43	426	193.00	240.00	433.00	204.00	221.00	425.00	629395.5	1992486.6	661.65	
						380.609													11KV,LT,MUD RD
41	LOC-40	22/1	DA+3					11883.04	372	141.00	211.00	352.00	161.00	200.00	361.00	629577.6	1992152.3	656.844	
						363.505													LT
42	LOC-41	22/2	DA+0					12246.55	291	153.00	125.00	278.00	165.00	119.00	284.00	629751.5	1991833.1	655.459	
						218.13													11KV
43	LOC-42	AP-23	DC+0		23°51'28"RT		962	12464.68	329	93.00	227.00	320.00	100.00	225.00	325.00	629855.8	1991641.6	654.1	
						439.674													MUD RD,LT,NALA,11KV(Benching)
44	LOC-43	23/1	DA+0					12904.35	332	213.00	107.00	320.00	216.00	109.00	325.00	629892.0	1991203.4	652.692	
						223.818													LT
45	LOC-44	23/2	DA+0					13128.17	323	117.00	208.00	325.00	115.00	209.00	324.00	629910.4	1990980.3	653.143	
						422.658													MUD RD,11KV
46	LOC-45	AP-24	DB+3		14°04'04"LT		1086	13550.83	363	216.00	258.00	474.00	215.00	211.00	426.00	629945.2	1990559.1	650.85	
						302.29													11KV,TAR RD,LT
47	LOC-46	24/1	DB+0		0°00'14"LT			13853.12	330	44.00	174.00	218.00	93.00	176.00	269.00	630042.6	1990272.9	641	
						357.126													NALA,MUD RD
48	LOC-47	24/2	DA+0					14210.24	379	184.00	185.00	369.00	182.00	191.00	373.00	630157.6	1989934.8	641.8	
						401.752													LT
49	LOC-48	24/3	DA+6					14611.99	406	217.00	182.00	399.00	212.00	190.00	402.00	630287.0	1989554.5	638.555	
						410.134													MUD RD,11KV,CANAL
50	LOC-49	24/4	DA+6					15022.13	426	228.00	194.00	422.00	221.00	204.00	425.00	630419.2	1989166.2	642.647	
						442.074													33KV,MUD RD
51	LOC-50	24/5	DA+9					15464.20	394	249.00	155.00	404.00	240.00	162.00	402.00	630561.6	1988747.7	644.851	
						346.636													11KV
52	LOC-51	AP-25	DD+9		40°19'52"RT		2260	15810.84	277	192.00	179.00	371.00	186.00	134.00	320.00	630673.2	1988419.6	647.58	
						207.333													MUD RD,132KV
53	LOC-52	AP-26	DD+6		30°34'15"LT		207	16018.17	296	29.00	271.00	300.00	73.00	242.00	315.00	630597.1	1988226.7	645.15	
						384.027													LT
54	LOC-53	26/1	DA+6					16402.20	353	114.00	189.00	303.00	144.00	179.00	323.00	630657.4	1987847.4	632.394	

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										Left	Right	Total	Left	Right	Total	EASTING	NORTHING		
						322.604													-
55	LOC-54	AP-27	DD+0		36°24'57"RT		707	16724.80	338	133.00	174.00	307.00	144.00	175.00	319.00	630708.0	1987528.8	634.55	
						353.132													LT
56	LOC-55	27/1	DA+0					17077.93	361	180.00	183.00	363.00	179.00	184.00	363.00	630545.6	1987215.3	635.028	
						368.399													MUD RD
57	LOC-56	27/2	DA+0					17446.33	382	186.00	189.00	375.00	185.00	193.00	378.00	630376.2	1986888.2	635.217	
						396.348													
58	LOC-57	27/3	DA+3					17842.68	384	208.00	165.00	373.00	205.00	173.00	378.00	630193.9	1986536.2	633.771	
						371.834													
59	LOC-58	27/4	DA+6					18214.52	374	207.00	234.00	441.00	200.00	217.00	417.00	630022.8	1986206.0	634.048	
						375.094													11KV,TAR RD
60	LOC-59	27/5	DA+3					18589.61	376	142.00	230.00	372.00	159.00	215.00	374.00	629850.3	1985873.0	629.765	
						376.584													11KV,MUD RD,LT
61	LOC-60	27/6	DA+0					18966.19	380	147.00	172.00	319.00	163.00	179.00	342.00	629677.1	1985538.6	626.183	
						383.716													
62	LOC-61	27/7	DA+3					19349.91	360	213.00	200.00	413.00	205.00	188.00	393.00	629500.6	1985197.9	626.532	
						336.631													
63	LOC-62	27/8	DA+0					19686.54	349	137.00	167.00	304.00	149.00	172.00	321.00	629345.8	1984899.0	625.091	
						360.808													11KV,TAR RD
64	LOC-63	AP-28	DC+0		27°45'17"RT		3323	20047.35	363	195.00	191.00	386.00	190.00	188.00	378.00	629179.8	1984578.6	627.3	
						364.868													
65	LOC-64	28/1	DA+0					20412.22	371	175.00	226.00	401.00	178.00	212.00	390.00	628880.5	1984370.0	626.02	
						376.472													LT
66	LOC-65	28/2	DA+0					20788.69	329	151.00	166.00	317.00	165.00	157.00	322.00	628571.5	1984154.8	620.051	
						281.09													MUD RD
67	LOC-66	28/3	DA+0					21069.78	324	115.00	213.00	328.00	125.00	202.00	327.00	628340.9	1983994.2	617.05	
						367.782													LT
68	LOC-67	28/4	DA+0					21437.56	374	155.00	209.00	364.00	166.00	202.00	368.00	628039.1	1983784.0	612.58	
						380.283													LT
69	LOC-68	AP-29	DC+3		25°44'10"LT		1770	21817.84	392	171.00	200.00	371.00	179.00	201.00	380.00	627727.1	1983566.6	606.62	
						404.192													33KV,11KV
70	LOC-69	29/1	DA+9					22222.04	423	205.00	310.00	515.00	204.00	283.00	487.00	627528.7	1983214.5	600.944	
						441.583													MUD RD,NALA
71	LOC-70	29/2	DB+0		0°00'49"RT			22663.62	425	133.00	183.00	316.00	160.00	190.00	350.00	627311.9	1982829.8	592.56	
						407.72													MUD RD,NALA,LT
72	LOC-71	AP-30	DB+0		2°23'04"LT		1253	23071.34	300	225.00	47.00	272.00	218.00	71.00	289.00	627111.6	1982474.6	596.247	(C.Survey Hold)
						192.539													11KV

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										Left	Right	Total	Left	Right	Total	EASTING	NORTHING		
73	LOC-72	30/1	DA+0					23263.88	256	146.00	136.00	282.00	122.00	148.00	270.00	627024.1	1982303.1	599.942	(C.Survey Hold)
						320.233													MUD RD
74	LOC-73	DE	DE+0		24°51'35"RT		513	23584.11	208	184.00	70.00	254.00	173	68	241.00	626878.6	1982017.8	602.84	(C.Survey Hold)
						95.995													-
75	GTY	GTY	GANTRY				96	23680.11	48	27.00		27.00	29.00	0.00	29.00	626803.0	1981958.6	604.63	(C.Survey Hold)
Surveyed By					Checked By			Checked By			Recommended By			Approved By					