

ABSTRACT OF TOWERS

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited.

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.:KA3394

Sl.No.	TYPE OF TOWERS	NORMAL	+3	+6	12	TOTAL
Proposed 110KV DC Towers (KPTCL -1D-AQUS)						
1	DA	40	37	1	-	40
2	DB	15	13	-	-	15
3	DC	6	5	-	-	6
4	DD	14	5	1	2	14
5	DD 9 Cross Arm	2	-	2	-	2
Total =						77 No's

NOTE :

1) Minor deviation if any due to way leave problem that may arise during the execution of the work will be incorporated accordingly.



Assistant Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

Assistant Executive Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

Approved

Executive Engineer Ele.,
Projects Division,
KPTCL, Haveri.

Superintending Engineer Ele.,
Transmission (Projects) Circle,
KPTCL, Hubballi.

LINE SCHEDULE

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challengeri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited.

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Job No.: KA3394

Sl. No.	Chainage in mts	Name of the Power /Tele Line	Voltage in class	Height of line in mts	Remarks
1	19	11KV Line	11KV	7.5	-
2	26	11KV Line	11KV	7.5	-
3	59	11KV Line	11KV	7.5	-
4	95	11KV Line	11KV	7.5	-
5	123	11KV Line	11KV	7.5	-
6	136	33KV Line	33KV	9.0	-
7	351	LT Line	440V	6.5	-
8	431	11KV Line	11KV	7.5	-
9	439	11KV Line	11KV	7.5	-
10	882	11KV Line	11KV	7.5	-
11	955	LT Line	440V	6.5	-
12	1032	LT Line	440V	6.5	-
13	1159	11KV Line	11KV	7.5	-
14	1181	11KV Line	11KV	7.5	-
15	1392	11KV Line	11KV	7.5	-
16	1409	LT Line	440V	6.5	-
17	1470	LT Line	440V	6.5	-
18	1493	11KV Line	11KV	7.5	-
19	1599	LT Line	440V	6.5	-
20	1607	11KV Line	11KV	7.5	-
21	1752	33KV Line	33KV	9.0	-
22	1950	11KV Line	11KV	7.5	-
23	1955	LT Line	440V	6.5	-
24	2910	11KV Line	11KV	7.5	-
25	3190	11KV Line	11KV	7.5	-
26	3290	11KV Line	11KV	7.5	-
27	3360	LT Line	440V	6.5	-
28	3460	33KV Line	33KV	9.0	-
29	1910	11KV Line	11KV	7.5	-
30	1935	11KV Line	11KV	7.5	-
31	1945	11KV Line	11KV	7.5	-
32	1972	11KV Line	11KV	7.5	-
33	1985	LT Line	440V	6.5	-
34	4215	11KV Line	11KV	7.5	-
35	4919	LT Line	440V	6.5	-
36	5128	11KV Line	11KV	7.5	-
37	5956	LT Line	440V	6.5	-
38	6363	11KV Line	11KV	7.5	-
39	6372	11KV Line	11KV	7.5	-
40	6553	LT Line	440V	6.5	-
41	6674	11KV Line	11KV	7.5	-
42	6882	LT Line	440V	6.5	-
43	6892	LT Line	440V	6.5	-
44	7112	LT Line	440V	6.5	-
45	7174	LT Line	440V	6.5	-

Sl. No.	Chainage in mts	Name of the Power /Tele Line	Voltage in class	Height of line in mts	Remarks
46	7307	11KV Line	11KV	7.5	-
47	7846	11KV Line	11KV	7.5	-
48	7880	LT Line	440V	6.5	-
49	8323	LT Line	440V	6.5	-
50	8473	11KV Line	11KV	7.5	-
51	8478	11KV Line	11KV	7.5	-
52	8893	11KV Line	11KV	7.5	-
53	8917	11KV Line	11KV	7.5	-
54	9025	LT Line	440V	6.5	-
55	9093	LT Line	440V	6.5	-
56	9293	LT Line	440V	6.5	-
57	9323	11KV Line	11KV	7.5	-
58	9469	11KV Line	11KV	7.5	-
59	9957	LT Line	440V	6.5	-
60	10157	11KV Line	11KV	7.5	-
61	10187	11KV Line	11KV	7.5	-
62	10307	11KV Line	11KV	7.5	-
63	11117	11KV Line	11KV	7.5	-
64	11264	11KV Line	11KV	7.5	-
65	12418	LT Line	440V	6.5	-
66	12847	LT Line	440V	6.5	-
67	12994	11KV Line	11KV	7.5	-
68	13012	11KV Line	11KV	7.5	-
69	13032	11KV Line	11KV	7.5	-
70	13118	LT Line	440V	6.5	-
71	13431	11KV Line	11KV	7.5	-
72	13779	11KV Line	11KV	7.5	-
73	13624	11KV Line	11KV	7.5	-
74	13902	11KV Line	11KV	7.5	-
75	14256	11KV Line	11KV	7.5	-
76	14481	33KV Line	33KV	9.0	-
77	14933	11KV Line	11KV	7.5	-
78	14955	11KV Line	11KV	7.5	-
79	16671	33KV Line	33KV	9.0	-
80	16946	11KV Line	11KV	7.5	-
81	17020	LT Line	440V	6.5	-
82	17024	11KV Line	11KV	7.5	-
83	17832	33KV Line	33KV	9.0	-
84	17894	LT Line	440V	6.5	-
85	17908	LT Line	440V	6.5	-
86	18142	11KV Line	11KV	7.5	-
87	18153	11KV Line	11KV	7.5	-
88	18155	11KV Line	11KV	7.5	-
89	18158	11KV Line	11KV	7.5	-
90	18160	11KV Line	11KV	7.5	-

ABSTRACT OF LINE SCHEDULE

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited.

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.: KA3394

Sl.No.	Name of Power Line / Tele Line	Power Line	Tele Line	Total
1	LT Line	28	-	28
2	11KV Line	56	-	56
3	33KV Line	6	-	6
			Total=	90 No's



For Niketan Consultants LLP

Assistant Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

Assistant Executive Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

Approved

Executive Engineer Ele.,
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Superintending Engineer Ele.,
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TREE SCHEDULE

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.: KA3394

Sl. No.	Chainage in mts	Name of the Tree	Grith size in mts	Height of Trees in Mts	11M from center line in mts	Remarks (No. of Trees)
Bay to AP-1						
Nill						
AP-1 to AP-2						
1	115	Teakwood	0.8	3	L	1
AP-2 to AP-3						
1	30	Coconut Tree	0.8	6	R	1
2	50	Mango Tree	1	6	R	1
3	50	Coconut Tree	1	4	R	1
AP-3 to AP-4						
1	199	Neem Tree	1	4	L & R	7
2	210	Neem Tree	0.2-1	2	L & R	3
3	668	Neem Tree	1	3	R	1
AP-4 to AP-5						
1	104	Neem Tree	1	3	L & R	3
2	104	Jungle Tree	1	3	L	3
3	111	Jungle Tree	1	2	L	2
4	125	Jungle Tree	1	2	L	2
5	194	Banni Tree	1	3	R	1
AP-5 to AP-6						
1	152	Areca Tree	1	3	L & R	253
2	238	Neem Tree	1.2	4	R	3
3	255	Neem Tree	1	4	R	2
4	291	Mango Tree	1	2	L	1
5	510	Neem Tree	0.7	4	L & R	2
6	590	Neem Tree	1.2	4	L	2
7	723	Neem Tree	0.8	2	R	2
8	1200	Areca Tree	0.6	4	L & R	133
9	1470	Neem Tree	1	3	R	1
10	1630	Coconut Tree	1	7	L	2
11	1790	Coconut Tree	1	7	R	1
12	1958	Jungle Tree	1	3	R	1
13	1968	Jungle Tree	1	3	L	2
14	2050	Neem Tree	1	3	L	1
15	2050	Teakwood	0.2	4	L	3
16	2170	Teakwood	1	4	L & R	3

Sl. No.	Chainage in mts	Name of the Tree	Grith size in mts	Height of Trees in Mts	11M from center line in mts	Remarks (No. of Trees)
17	2260	Teakwood	0.8	4	L	4
18	2260	Neem Tree	1.2	6	R	2
19	2265	Neem Tree	0.8	3	R	1
20	2265	Coconut Tree	1	4	R	1
21	2275	Teakwood	0.8	4	R	3
22	2335	Coconut Tree	1.2	4	R	2
23	2420	Teakwood	0.6	5	L & R	7
24	2420	Jungle Tree	0.6	6	R	1
25	2420	Neem Tree	0.8	4	L	1
26	2424	Neem Tree	0.6	2	L	2
AP-6 to AP-7						
1	260	Coconut Tree	1	3	L	1
2	266	Coconut Tree	1	2	R	4
3	268	Coconut Tree	1	2	R	2
4	395	Neem Tree	0.1	3	L	2
AP-7 to AP-8						
1	0	Neem Tree	1	3	L	1
2	1	Honge Tree	0.4	3	L	1
3	142	Jungle Tree	1	4	R	1
4	673	Neem Tree	1.2	4	R	1
AP-8 to AP-9						
1	60	Coconut Tree	0.7	2	L	2
2	210	Neem Tree	0.4	2	L	2
3	296	Neem Tree	0.8-1	4	L & R	5
4	425	Neem Tree	0.8-1.2	4	L & R	2
AP-9 to AP-10						
1	65	Areca Tree	0.7	2	L & R	100
2	170	Banyan Tree	4	7	R	1
3	170	Areca Tree	0.6	3	L	3
4	284	Coconut Tree	1.2	7	L	1
5	414	Coconut Tree	1.2	7	L	2
6	450	Teakwood	1	6	R	2
7	450	Coconut Tree	1.2	7	L & R	2
AP-10 to AP-11						
1	25	Coconut Tree	1.4	7	R	2
2	192	Coconut Tree	1.2-1.4	7	L & R	4
3	327	Coconut Tree	1.2	7	L	2
4	327	Areca Tree	0.6	2	R	5
5	525	Banni Tree	1.2	3	R	2
6	680	Neem Tree	1.2	4	R	1
7	710	Jungle Tree	1	6	R	1
AP-11 to AP-12						
1	85	Coconut Tree	1.2	3	L	1
2	85	Neem Tree	1	4	L	2
3	235	Jungle Tree	1	3	L	1
4	235	Banni Tree	0.8	3	L	1

Sl. No.	Chainage in mts	Name of the Tree	Grith size in mts	Height of Trees in Mts	11M from center line in mts	Remarks (No. of Trees)
5	275	Neem Tree	0.6	3	L	1
6	325	Areca Tree	0.6	2	L & R	100
7	546	Teakwood	1	4	L & R	4
8	546	Neem Tree	0.8	4	L	1
9	555	Neem Tree	0.6	2	R	1
10	670	Neem Tree	1	4	R	1
11	670	Jali Tree	1.2	6	L	1

AP-12 to AP-13

1	245	Areca Tree	0.6	2	L & R	110
2	278	Teakwood	1	6	L	4
3	278	Coconut Tree	1	4	R	1
4	345	Coconut Tree	1.2	4	L & R	8
5	375	Areca Tree	0.6-0.8	2	L & R	55
6	440	Neem Tree	0.8	3	R	3
7	501	Neem Tree	0.8	2	R	1
8	555	Areca Tree	0.6	2	L & R	116
9	600	Neem Tree	1.2	4	L	1
10	600	Teakwood	0.4	4	R	3
11	670	Areca Tree	0.6	2	L & R	100
12	710	Mango Tree	1	6	L	1
13	800	Banni Tree	1	3	L	1
14	800	Neem Tree	1	4	L	1
15	837	Neem Tree	0.6	4	L	4
16	837	Jali Tree	1.2	4	L	1
17	970	Coconut Tree	1	8	L & R	4
18	1184	Coconut Tree	0.6	2	R	2

AP-13 to AP-14

1	275	Jali Tree	1.2	4	L	3
2	275	Neem Tree	0.8	4	L	2
3	440	Neem Tree	1	4	R	3
4	567	Neem Tree	0.6	3	L	1
5	567	Mango Tree	2	4	R	1
6	697	Areca Tree	0.6	4	L & R	140
7	780	Areca Tree	0.6	4	L & R	120
8	800	Neem Tree	1	4	R	1
9	837	Neem Tree	1.2	4	R	3
10	1140	Coconut Tree	1	4	L	1
11	1210	Areca Tree	1	4	L & R	150
12	1210	Jali Tree	3	1	R	1
13	1230	Neem Tree	1	4	L & R	3
14	1400	Areca Tree	0.4	1.5	L & R	200
15	1580	Coconut Tree	1.2	4	L & R	3
16	1580	Teakwood	0.8	4	L & R	1
17	1670	Honge Tree	0.6	2	L & R	4
18	1678	Jungle Tree	0.6	4	L	2

AP-14 to AP-15

Null

AP-15 to AP-16

1	110	Neem Tree	1	4	L	1
2	220	Neem Tree	1	3	L	1
3	310	Jali Tree	0.4-1	8	L & R	20

Sl. No.	Chainage in mts	Name of the Tree	Grith size in mts	Height of Trees in Mts	11M from center line in mts	Remarks (No. of Trees)
AP-16 to AP-17						
Nill						
AP-17 to AP-18						
1	84	Bage Tree	2	6	L	1
2	90	Neem Tree	1.2	4	L	1
AP-18 to AP-19						
1	275	Silver Tree	1	3	L & R	2
2	275	Peepal Tree	0.8	4	L	1
3	315	Areca Tree	1	6	L & R	100
4	380	Teakwood	1	6	L & R	8
5	470	Areca Tree	1	2	L & R	15
6	550	Areca Tree	0.6	3	L & R	120
7	650	Teakwood	1	4	L	2
8	755	Bage Tree	1	4	L	1
9	755	Teakwood	1	4	L	1
10	755	Coconut Tree	0.6	3	L	1
AP-19 to AP-20						
Nill						
AP-20 to AP-21						
1	194	Areca Tree	1	3	L & R	66
2	221	Coconut Tree	1.2	8	L & R	4
3	250	Teakwood	1	6	R	1
4	290	Areca Tree	1	10	L & R	140
5	290	Coconut Tree	1.2	10	L & R	5
6	367	Areca Tree	1	2	L & R	60
7	465	Jungle Tree	0.6	4	L	1
8	595	Areca Tree	1	3	L & R	132
9	820	Areca Tree	0.6	2	L & R	108
AP-21 to AP-22						
1	105	Areca Tree	0.6	1	L & R	66
AP-22 to AP-23						
1	25	Areca Tree	0.6	1	L & R	36
2	240	Neem Tree	0.6	2	L	2
3	580	Neem Tree	0.6	3	R	1
4	740	Neem Tree	0.6	2	L	1
5	905	Neem Tree	1	4	R	1
6	1033	Jali Tree	1	4	L	1
7	1068	Jungle Tree	0.4	3	R	3
8	1140	Neem Tree	1	4	R	1
9	1170	Coconut Tree	1	2	L & R	12
10	1170	Areca Tree	0.4	4	L & R	25
11	1520	Neem Tree	1	4	R	1
12	1880	Neem Tree	1	4	R	1
13	1880	Banni Tree	1	4	R	1
14	1940	Coconut Tree	0.6	3	L & R	2
15	1940	Areca Tree	0.4	4	L & R	80
AP-23 to AP-24						
1	190	Neem Tree	0.6	2	R	1
2	360	Areca Tree	0.6	2	R	10
3	370	Neem Tree	0.6	2	L	2
4	394	Neem Tree	0.6	2	L	1

[illegible]

ABSTRACT OF TREE SCHEDULE

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.:KA3394

SL. No	Name of Tree	Total	Rate	Amount
1	Areca Tree	2608	500.00	13,04,000.00
2	Banni Tree	6	8,000.00	48,000.00
3	Banyan Tree	1	10,000.00	10,000.00
4	Bage Tree	2	8,000.00	16,000.00
5	Coconut Tree	84	18,000.00	15,12,000.00
6	Honge Tree	5	8,000.00	40,000.00
7	Jali Tree	27	8,000.00	2,16,000.00
8	Jungle Tree	20	8,000.00	1,60,000.00
9	Mango Tree	4	22,000.00	88,000.00
10	Neem Tree	94	12,000.00	11,28,000.00
11	Peepal Tree	1	8,000.00	8,000.00
12	Silver Tree	2	10,000.00	20,000.00
13	Teakwood	47	20,000.00	9,40,000.00
Total=		2901 No's.		54,90,000.00

Note: "The calculations provided above are approximate and indicative. The actual compensation for trees will be determined by the relevant authorities during project implementation, taking into account factors such as location and tree valuation



For Niketan Consultants LLP

Assistant Engineer Ele.,
Projects Sub-Division,
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Projects Sub-Division,
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Superintending Engineer Ele.,
Transmission (Projects) Circle,
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SOIL RESISTIVITY REPORT

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited.

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.:KA3394

Sl. No.	Cumulative chainage in mts	Soil encountered	Earth resistance in ohms	Soil resistivity in ohms-cms	Remarks
1	0	DFR Soil	0.81	25434	Near Existing 110/11KV Aremallapura S/S
2	1005	DFR Soil	0.83	26062	Near AP-4
3	2085	DFR Soil	0.87	27318	Near T No.11
4	3010	DFR Soil	0.82	25748	Near T No.14
5	4020	DFR Soil	0.83	26062	Near T No.18
6	5025	DFR Soil	0.84	26376	Near AP-7
7	6050	DFR Soil	0.89	27946	Near T No.27
8	7025	DFR Soil	0.88	27632	Near T No.31
9	8010	DFR Soil	0.85	26690	Near AP-12
10	9015	DFR Soil	0.84	26376	Near T No.39
11	10025	DFR Soil	0.88	27632	Near T No.43
12	11040	DFR Soil	0.83	26062	Near AP-14
13	12050	WBC Mix Red Soil	0.72	22608	Near AP-16
14	13040	DFR Soil	0.87	27318	Near T No.56
15	14035	WBC Soil	0.58	18212	Near T No.61
16	15045	BC Soil	0.61	19154	Near T No.65
17	16050	Red Soil	0.74	23236	Near T No.69
18	17020	Red Soil	0.73	22922	Near T No.73
19	18169	Red Soil	0.75	23550	Near Proposed 110/11KV Challageri S/S
Total =				476338	

Average Soil Resistivity = $\frac{476338}{19} = 25070.42$ ohm-cms.

Formula used = $2\pi rl$

Where 'l' spacing between electrodes = 5000cms

'r' is earth resistance in ohms.

$\pi = 3.14$



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SOIL CLASSIFICATION STATEMENT

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductors from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited.

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No.: KA3394

Loc. No.	AP Nos	Location Details	Angle of deviation	Cum. Chainage in mts	NDS/Dry BC	Wet Black Cotton Soil	Partially Sub merged	Fully Sub merged	Hard rock	SFR Soil	WET Soil	DFR Soil	Provisional Type of Foundation	Remarks
1	AP-1	DD+0	58°10'14"L	33	0.50	-	-	-	-	2.50	-	-	SFR	-
2	AP-2	DD+0	30°21'21"L	161	0.60	-	-	-	-	2.40	-	-	SFR	-
3	AP-3	DD+0	35°23'15"L	362	0.15	-	-	-	-	2.85	-	-	SFR	-
4		DA+3	-	592	0.80	-	-	-	-	2.20	-	-	SFR	-
5		DA+3	-	822	0.25	-	-	-	-	2.75	-	-	SFR	-
6	AP-4	DD+0	36°18'30"L	1055	0.30	-	-	-	-	2.70	-	-	SFR	-
7		DA+3	-	1245	0.45	-	-	-	-	-	-	2.55	DFR	-
8		DA+3	-	1455	0.50	-	-	-	-	-	-	2.50	DFR	-
9	AP-5	DC+3	18°15'47"R	1660	0.60	-	-	-	-	-	-	2.40	DFR	-
10		DA+3	-	1915	0.55	-	-	-	-	-	-	2.45	WBC	-
11		DA+3	-	2170	0.25	-	-	-	-	2.75	-	-	SFR	-
12		DA+3	-	2425	0.40	-	-	-	-	2.60	-	-	SFR	-
13		DB+3	0°0'0"	2680	0.65	-	-	-	-	-	-	2.35	DFR	-
14		DA+3	-	2935	0.50	-	-	-	-	2.50	-	-	SFR	-
15		DA+3	-	3175	0.65	-	-	-	-	-	-	2.35	DFR	-
16		DA+3	-	3425	0.70	-	-	-	-	2.30	-	-	SFR	-
17		DB+3	0°0'0"	3675	0.85	-	-	-	-	-	-	2.15	DFR	-
18		DA+0	-	3925	0.50	-	-	-	-	2.50	-	-	SFR	-
19		DA+3	-	4180	0.65	-	-	-	-	2.35	-	-	SFR	-
20	AP-6	DD+6 9 Cross Arm	66°32'45"R	4434	0.45	-	-	-	-	2.55	-	-	SFR	-
21		DD+3	0°0'0"	4514	0.85	-	-	-	-	2.15	-	-	SFR	-
22		DA+3	-	4764	0.35	-	-	-	-	-	-	2.65	DFR	-
23	AP-7	DB+3	5°16'25"L	5020	0.40	-	-	-	-	2.60	-	-	SFR	-
24		DA+3	-	5275	0.30	-	-	-	-	2.70	-	-	SFR	-
25		DA+3	-	5530	0.50	-	-	-	-	2.50	-	-	SFR	-

Loc. No.	AP Nos	Location Details	Angle of deviation	Cum. Chainage in mts	NDS/Dry BC	Wet Black Cotton Soil	Partially Sub merged	Fully Sub merged	Hard rock	SFR Soil	WET Soil	DFR Soil	Provisional Type of Foundation	Remarks
26	AP-8	DB+3	9°50'22"R	5786	0.60	-	-	-	-	2.40	-	-	SFR	-
27		DA+3	-	6006	0.45	-	-	-	-	2.55	-	-	SFR	-
28	AP-9	DC+3	20°25'41"L	6208	0.20	-	-	-	-	-	-	2.80	WBC	-
29		DA+3	-	6448	0.55	-	-	-	-	2.45	-	-	SFR	-
30	AP-10	DC+3	28°15'29"R	6692	0.45	-	-	-	-	2.55	-	-	SFR	-
31		DA+3	-	6937	0.65	-	-	-	-	-	-	2.35	DFR	-
32		DA+3	-	7192	0.55	-	-	-	-	-	-	2.45	DFR	-
33	AP-11	DC+3	20°59'47"R	7431	0.40	-	-	-	-	2.60	-	-	SFR	-
34		DA+3	-	7651	0.25	-	-	-	-	2.75	-	-	SFR	-
35		DA+3	-	7866	0.30	-	-	-	-	2.70	-	-	SFR	-
36	AP-12	DB+3	8°25'49"L	8093	0.65	-	-	-	-	2.35	-	-	SFR	-
37		DA+3	-	8368	0.45	-	-	-	-	2.55	-	-	SFR	-
38		DA+3	-	8643	0.55	-	-	-	-	2.45	-	-	SFR	-
39		DB+3	0°0'0"	8903	0.60	-	-	-	-	2.40	-	-	SFR	-
40		DA+3	-	9183	0.65	-	-	-	-	-	-	2.35	DFR	-
41	AP-13	DD+3	31°30'35"R	9457	0.40	-	-	-	-	-	-	2.60	WBC	-
42		DA+3	-	9712	0.80	-	-	-	-	2.20	-	-	SFR	-
43		DA+3	-	9972	0.65	-	-	-	-	2.35	-	-	SFR	-
44		DA+3	-	10217	0.85	-	-	-	-	2.15	-	-	SFR	-
45		DB+3	0°0'0"	10462	0.40	-	-	-	-	-	-	2.60	DFR	-
46		DA+3	-	10707	0.25	-	-	-	-	2.75	-	-	SFR	-
47		DA+3	-	10957	0.65	-	-	-	-	-	-	2.35	DFR	-
48	AP-14	DD+3	45°8'30"L	11204	0.35	-	-	-	-	-	-	2.65	WBC	-
49	AP-15	DB+0	11°8'57"R	11434	0.45	-	-	-	-	-	-	2.55	DFR	-
50		DA+3	-	11629	0.50	-	-	-	-	-	-	2.50	DFR	-
51		DA+0	-	11884	0.75	-	-	-	-	2.25	-	-	SFR	-
52	AP-16	DC+0	17°23'28"L	12117	0.25	2.75	-	-	-	-	-	-	WBC	-
53	AP-17	DD+12	33°19'54"R	12328	0.35	2.65	-	-	-	-	-	-	WBC	-
54	AP-18	DD+12	21°45'18"R	12507	0.60	2.40	-	-	-	-	-	-	WBC	-
55		DB+3	0°0'0"	12772	0.45	2.55	-	-	-	-	-	-	WBC	-
56		DB+3	0°0'0"	13042	0.65	2.35	-	-	-	-	-	-	WBC	-
57	AP-19	DD+6	25°36'48"L	13305	0.85	-	-	-	-	-	-	2.15	WBC	-

Loc. No.	AP Nos	Location Details	Angle of deviation	Cum. Chainage in mts	NDS/Dry BC	Wet Black Cotton Soil	Partially Sub merged	Fully Sub merged	Hard rock	SFR Soil	WET Soil	DfR Soil	Provisional Type of Foundation	Remarks
58	AP-20	DD+6 9 Cross Arm	63°5'11"R	13484	0.65	-	-	-	-	2.35	-	-	SFR	-
59		DD+C	0°0'0"	13594	0.45	-	-	-	-	2.55	-	-	SFR	-
60		DA+3	-	13849	0.55	-	-	-	-	2.45	-	-	SFR	-
61		DA+3	-	14104	0.65	-	-	-	-	2.35	-	-	SFR	-
62	AP-21	DB+3	4°50'50"R	14361	0.85	2.15	-	-	-	-	-	-	WBC	-
63	AP-22	DB+3	5°6'13"L	14561	0.65	2.35	-	-	-	-	-	-	WBC	-
64		DA+3	-	14831	0.60	2.40	-	-	-	-	-	-	WBC	-
65		DA+3	-	15101	0.45	2.55	-	-	-	-	-	-	WBC	-
66		DB+0	0°0'0"	15371	0.55	2.45	-	-	-	-	-	-	WBC	-
67		DA+3	-	15641	0.65	2.35	-	-	-	-	-	-	WBC	-
68		DA+3	-	15911	0.80	2.20	-	-	-	-	-	-	WBC	-
69		DB+3	0°0'0"	16181	0.90	2.10	-	-	-	-	-	-	WBC	-
70		DA+3	-	16451	0.25	2.75	-	-	-	-	-	-	WBC	-
71		DA+6	-	16726	1.00	2.00	-	-	-	-	-	-	WBC	-
72	AP-23	DC+3	22°17'21"R	16999	0.35	-	-	-	-	-	-	2.65	DFR	-
73		DA+3	-	17234	0.65	-	-	-	-	2.35	-	-	SFR	-
74	AP-24	DD+3	49°12'6"R	17472	0.50	-	-	-	-	2.50	-	-	SFR	-
75		DB+3	0°0'0"	17692	0.65	-	-	-	-	-	-	2.35	DFR	-
76	AP-25	DD+3	56°43'11"R	17861	0.80	-	-	-	-	2.20	-	-	SFR	-
77	AP-26	DD+0	50°22'46"L	18133	0.25	-	-	-	-	2.75	-	-	SFR	-



For Niketan Consultants LLP
Bengaluru

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Base Width+ 1M each side	Area in sqm	Area in Acres	Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	Village Limits
27	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		202			4444.00	1.098				6,00,000.0	1,80,000.0	1,97,664.557	
28	DC+3		5.71	7.710	59.444	0.015	1200.0	2,400.00	1,42,665.84				"
		240			5280.00	1.305				6,00,000.0	1,80,000.0	2,34,848.979	
29	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		244			5368.00	1.326				6,00,000.0	1,80,000.0	2,38,763.129	
30	DC+3		5.71	7.710	59.444	0.015	1200.0	2,400.00	1,42,665.84				"
		245			5390.00	1.332				6,00,000.0	1,80,000.0	2,39,741.666	
31	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	
32	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		239			5258.00	1.299				6,00,000.0	1,80,000.0	2,33,870.442	
33	DC+3		5.71	7.710	59.444	0.015	1200.0	2,400.00	1,42,665.84				"
		220			4840.00	1.196				6,00,000.0	1,80,000.0	2,15,278.231	
34	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		215			4700.00	1.169				6,00,000.0	1,80,000.0	2,10,385.544	
35	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		227			4954.00	1.234				6,00,000.0	1,80,000.0	2,22,127.993	
36	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		275			6050.00	1.495				6,00,000.0	1,80,000.0	2,69,097.789	
37	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		275			6050.00	1.495				6,00,000.0	1,80,000.0	2,69,097.789	
38	DA+3		3.95	5.950	35.403	0.009	1000.0	2,000.00	70,805.00				Hulikatte
		260			5720.00	1.413				5,50,000.0	1,65,000.0	2,33,218.083	
39	DB+3		5.12	7.120	50.694	0.013	1000.0	2,000.00	1,01,388.80				"
		280			6160.00	1.522				5,50,000.0	1,65,000.0	2,51,157.936	
40	DA+3		3.95	5.950	35.403	0.009	1000.0	2,000.00	70,805.00				"
		274			6028.00	1.490				5,50,000.0	1,65,000.0	2,45,775.980	
41	DD+3		6.27	8.270	68.393	0.017	1100.0	2,200.00	1,50,464.38				Bandaray anahalli
		255			5610.00	1.386				5,50,000.0	1,65,000.0	2,28,733.120	Hulikatte
42	DA+3		3.95	5.950	35.403	0.009	1000.0	2,000.00	70,805.00				Hulikatte

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Base Width+ 1M each side	Area in sqm	Area in Acres	Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	Village Limits
		260			5720.00	1.413				6,50,000.0	1,95,000.0	2,75,621.371	Banderay anahalli
43	DA+3		3.95	5.950	35403	0.009	11000.0	2,000.00	70,805.00				Hulikatte
		245			5390.00	1.332				5,50,000.0	1,65,000.0	2,19,763.194	
44	DA+3		3.95	5.950	35403	0.009	11100.0	2,200.00	77,885.50				Banderay anahalli
		245			5390.00	1.332				6,50,000.0	1,95,000.0	2,59,720.138	"
45	DB+3		5.12	7.120	50694	0.013	11100.0	2,200.00	1,11,527.68				"
		245			5390.00	1.332				6,50,000.0	1,95,000.0	2,59,720.138	"
46	DA+3		3.95	5.950	35403	0.009	11100.0	2,200.00	77,885.50				"
		250			5500.00	1.359				6,50,000.0	1,95,000.0	2,65,020.549	
47	DA+3		3.95	5.950	35403	0.009	1200.0	2,400.00	84,966.00				Karur
		247			5434.00	1.343				7,15,000.0	2,14,500.0	2,88,024.333	"
48	DD+3		6.27	8.270	68393	0.017	1200.0	2,400.00	1,64,142.96				"
		230			5060.00	1.250				7,15,000.0	2,14,500.0	2,68,200.796	"
49	DB+0		4.50	6.500	42250	0.010	1200.0	2,400.00	1,01,400.00				"
		195			4290.00	1.060				7,15,000.0	2,14,500.0	2,27,387.631	"
50	DA+3		3.95	5.950	35403	0.009	1200.0	2,400.00	84,966.00				"
		255			5610.00	1.386				7,15,000.0	2,14,500.0	2,97,353.056	"
51	DA+0		3.50	5.500	30250	0.007	1200.0	2,400.00	72,600.00				"
		233			5126.00	1.267				7,15,000.0	2,14,500.0	2,71,699.067	"
52	DC+0		5.00	7.000	49000	0.012	1200.0	2,400.00	1,17,600.00				"
		211			4642.00	1.147				7,15,000.0	2,14,500.0	2,46,045.078	"
53	DD+12		8.58	10.580	111936	0.028	1200.0	2,400.00	2,68,647.36				"
		179			3938.00	0.973				7,15,000.0	2,14,500.0	2,08,730.185	"
54	DD+12		8.58	10.580	111936	0.028	1200.0	2,400.00	2,68,647.36				"
		265			5830.00	1.441				7,15,000.0	2,14,500.0	3,09,013.960	"
55	DB+3		5.12	7.120	50694	0.013	1200.0	2,400.00	1,21,666.56				"
		270			5940.00	1.468				7,15,000.0	2,14,500.0	3,14,844.413	"
56	DB+3		5.12	7.120	50694	0.013	1200.0	2,400.00	1,21,666.56				"
		263			5786.00	1.430				7,15,000.0	2,14,500.0	3,06,681.780	"
57	DD+6		7.04	9.040	81722	0.020	1200.0	2,400.00	1,96,131.84				"

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Base Width+ 1M each side	Area in sqm	Area in Acres	FOR TOWER FOOT AREA (200%)			FOR LINE CORRIDOR (30%)			Village Limits
							Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	
		179			3938.00	0.973				7,15,000.0	2,14,500.0	2,08,730.185	
58	DD+6 9 Cross Arm		7.04	9.040	81.722	0.020	1200.0	2,400.00	1,96,131.84				"
		110			2420.00	0.598				7,15,000.0	2,14,500.0	1,28,269.946	
59	DD+0		5.50	7.500	56.250	0.014	1200.0	2,400.00	1,35,000.00				"
		255			5610.00	1.386				7,15,000.0	2,14,500.0	2,97,353.056	
60	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		255			5610.00	1.386				7,15,000.0	2,14,500.0	2,97,353.056	
61	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		257			5654.00	1.397				7,15,000.0	2,14,500.0	2,99,685.237	
62	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		200			4400.00	1.087				7,15,000.0	2,14,500.0	2,33,218.083	
63	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		270			5940.00	1.468				7,15,000.0	2,14,500.0	3,14,844.413	
64	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		270			5940.00	1.468				7,15,000.0	2,14,500.0	3,14,844.413	
65	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		270			5940.00	1.468				10,00,000.0	3,00,000.0	4,40,341.836	Challageri
66	DB+0		4.50	6.500	42.250	0.010	1200.0	2,400.00	1,01,400.00				"
		270			5940.00	1.468				10,00,000.0	3,00,000.0	4,40,341.836	
67	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		270			5940.00	1.468				10,00,000.0	3,00,000.0	4,40,341.836	
68	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		270			5940.00	1.468				10,00,000.0	3,00,000.0	4,40,341.836	
69	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		270			5940.00	1.468				10,00,000.0	3,00,000.0	4,40,341.836	
70	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		275			6050.00	1.495				10,00,000.0	3,00,000.0	4,48,496.314	
71	DA+6		4.41	6.410	41.088	0.010	1200.0	2,400.00	98,611.44				"
		273			6006.00	1.484				10,00,000.0	3,00,000.0	4,45,234.523	
72	DC+3		5.71	7.710	59.444	0.015	1200.0	2,400.00	1,42,665.84				"

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Base Width+ 1M each side	Area in sqm	Area in Acres	For Tower Foot Area (200%)			For Line Corridor (30%)			Village Limits
							Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	
		235			5170.00	1.278				10,00,000.0	3,00,000.0	3,83,260.487	
73	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		238			5236.00	1.294				10,00,000.0	3,00,000.0	3,88,153.174	"
74	DD+3		6.27	8.270	68.393	0.017	1200.0	2,400.00	1,64,142.96				
		220			4840.00	1.196				10,00,000.0	3,00,000.0	3,58,797.051	"
75	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		169			3718.00	0.919				10,00,000.0	3,00,000.0	2,75,621.371	
76	DD+3		6.27	8.270	68.393	0.017	1200.0	2,400.00	1,64,142.96				"
		272			5934.00	1.479				10,00,000.0	3,00,000.0	4,43,603.627	
77	DD+0		5.50	7.500	56.250	0.014	1200.0	2,400.00	1,35,000.00				"
		36			712.00	0.196				10,00,000.0	3,00,000.0	58,712.245	"
-	Bay			0.000	0.000	0.000	1200.0	2,400.00	0.00				"
							Total=			84,97,808.740			2,03,96,731.685

8504887

Note: "Due to unavailability of guidance values for Banderayanahalli village on Kaveri Online Services, a provisional value of approximately ₹6,50,000 per acre (Agricultural Land) & ₹1,100 per SQ. Metr (NA Land) has been considered for estimation purposes."



For Niketan Consultants LLP

Brad

Assistant Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

[Signature]

Assistant Executive Engineer Ele.,
Projects Sub-Division,
KPTCL, Haveri.

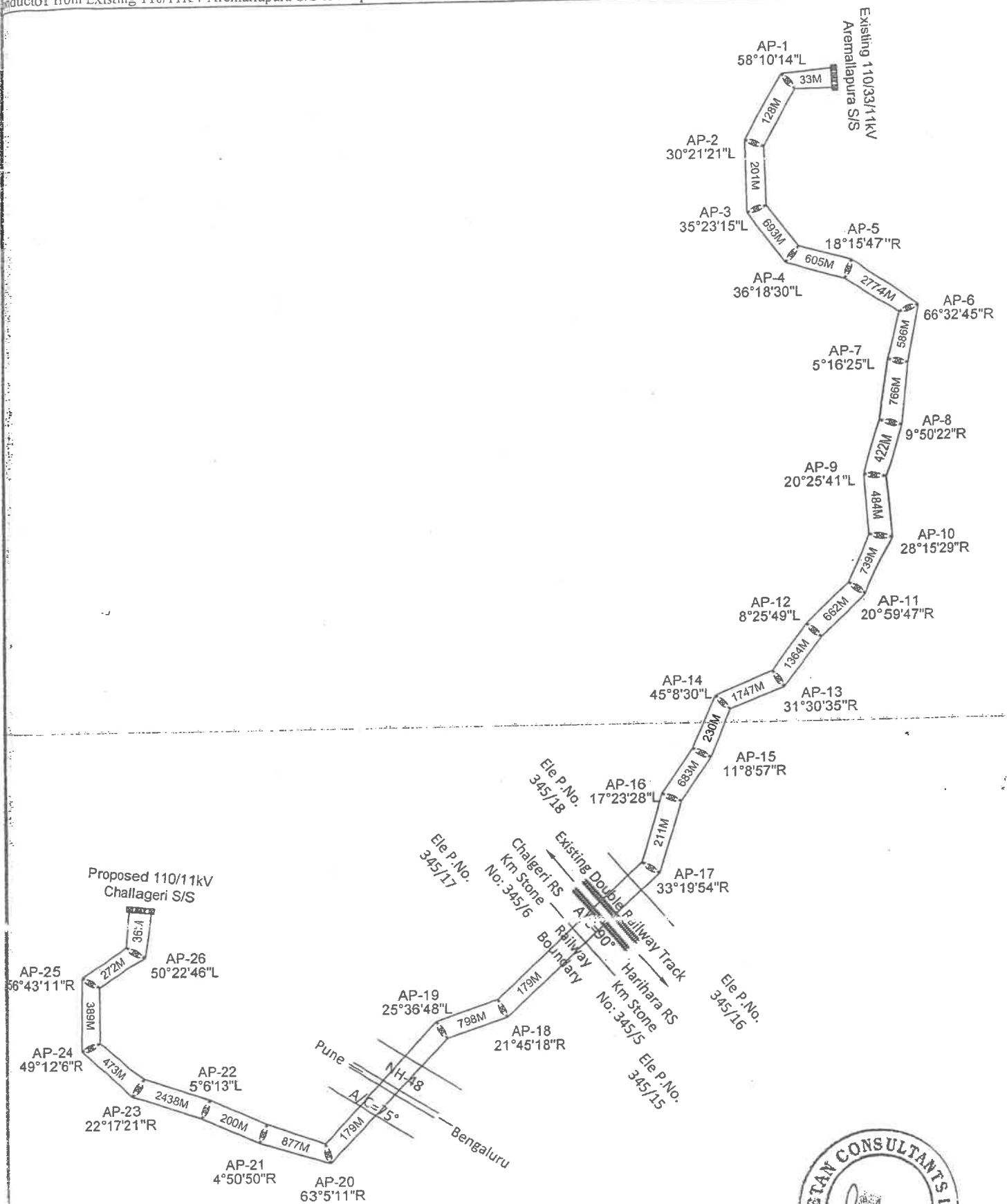
[Signature]

Executive Engineer Ele.,
Projects Division,
KPTCL, Haveri.

[Signature]

Superintending Engineer Ele.,
Transmission (W & M) Circle,
KPTCL, Hubballi.

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.



M/s Niketan Consultants LLP, Bengaluru.

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited

Surveyors : M/s Niketan Consultants LP, Bengaluru.

Job No.:KA3394

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Tower Base Width+1M each side	Area in sqm	Area in Acres	For Tower Foot Area (200%)			For Line Corridor (30%)			Village Limits
							Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	
-	Bay			0.000	0.000	0.000		0.00	0.00				Aremallapura
1	DD+0	33	5.50	7.500	726.00	0.179				5,50,000.0	1,65,000.0	29,600.757	"
2	DD+0	128	5.50	7.500	2816.00	0.696			1,12,500.00	5,50,000.0	1,65,000.0	1,14,815.056	"
3	DD+0	201			4422.00	1.093			1,12,500.00	5,50,000.0	1,65,000.0	1,80,295.518	"
4	DA+3	230	5.50	7.500	56.250	0.014	1,000.0	2,000.00	1,12,500.00	5,50,000.0	1,65,000.0	2,06,308.305	"
5	DA+3	230	3.95	5.950	35.403	0.009	1,000.0	2,000.00	70,805.00	5,50,000.0	1,65,000.0	2,06,308.305	"
6	DD+0	233	5.50	7.500	5123.00	1.267			70,805.00	5,50,000.0	1,65,000.0	2,08,999.282	"
7	DA+3	190	3.95	5.950	4180.00	1.033	1,000.0	2,000.00	1,12,500.00	5,50,000.0	1,65,000.0	1,70,428.599	"
8	DA+3	210	3.95	5.950	4620.00	1.142	1,000.0	2,000.00	70,805.00	5,50,000.0	1,65,000.0	1,88,368.452	"
9	DC+3	205	5.71	7.710	4510.00	1.114	1,000.0	2,000.00	70,805.00	5,50,000.0	1,65,000.0	1,83,883.489	Airani
10	DA+3	255			59.444	0.015	1,200.0	2,400.00	1,42,665.84	6,00,000.0	1,80,000.0	2,49,527.040	"
11	DA+3	255	3.95	5.950	35.403	0.009	1,200.0	2,400.00	84,966.00	6,00,000.0	1,80,000.0	2,49,527.040	"
		255	3.95	5.950	5610.00	1.386	1,200.0	2,400.00	84,966.00	6,00,000.0	1,80,000.0	2,49,527.040	"

T. No.	Type of Tower	Span Length in Mtrs	Tower Base Width	Base Width+ 1M each side	Area in sqm	Area in Acres	Guidance value per Sq M	Guidance value for tower foot area 200%	Amount for Tower foot area	Guidance value per Acre	Guidance value for corridor 30%	Amount for corridor (width of corridor 22 mtrs)	Village Limits
12	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	"
13	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	"
14	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		240			5210.00	1.305				6,00,000.0	1,80,000.0	2,34,848.979	"
15	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		250			5510.00	1.359				6,00,000.0	1,80,000.0	2,44,634.353	"
16	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		250			5510.00	1.359				6,00,000.0	1,80,000.0	2,44,634.353	"
17	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		250			5510.00	1.359				6,00,000.0	1,80,000.0	2,44,634.353	"
18	DA+0		3.50	5.500	30.250	0.007	1200.0	2,400.00	72,600.00				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	"
19	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		254			5588.00	1.381				6,00,000.0	1,80,000.0	2,48,548.503	"
20	DD+6 9 Cross Arm		7.04	9.040	81.722	0.020	1200.0	2,400.00	1,96,131.84				"
		80			1760.00	0.435				6,00,000.0	1,80,000.0	78,282.993	"
21	DD+3		6.27	8.270	68.393	0.017	1200.0	2,400.00	1,64,142.96				"
		250			5500.00	1.359				6,00,000.0	1,80,000.0	2,44,634.353	"
22	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		256			5632.00	1.392				6,00,000.0	1,80,000.0	2,50,505.578	"
23	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	"
24	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		255			5610.00	1.386				6,00,000.0	1,80,000.0	2,49,527.040	"
25	DA+3		3.95	5.950	35.403	0.009	1200.0	2,400.00	84,966.00				"
		256			5632.00	1.392				6,00,000.0	1,80,000.0	2,50,505.578	"
26	DB+3		5.12	7.120	50.694	0.013	1200.0	2,400.00	1,21,666.56				"
		220			4840.00	1.196				6,00,000.0	1,80,000.0	2,15,278.231	"

Line of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using SR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.



ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ
ಇಂಜಿನಿಯರ್(ಡಿ) (ಯೋಜನೆಗಳು)
ಯೋಜನಾ ಉಪವಿಭಾಗ ಕವಿಪ್ರಸಿದ್ಧಿ, ಹಾವೇರಿ,

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್(ಡಿ) (ಯೋಜನೆಗಳು)
ಯೋಜನಾ ಉಪವಿಭಾಗ ಕವಿಪ್ರಸಿದ್ಧಿ, ಹಾವೇರಿ,

ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್(ಡಿ)
(ಯೋಜನೆಗಳು)
ಯೋಜನಾ ವಿಭಾಗ ಕವಿಪ್ರಸಿದ್ಧಿ, ಹಾವೇರಿ.



REVENUE SURVEY NUMBERS OF TRANSMISSION ROUTE ALIGNMENT

Name of Work: Conducting Detail Survey using Modern Survey Techniques for Construction of Proposed 110KV DC Line on DC Towers using ACSR Panther Conductor from Existing 110/11KV Aremallapura S/S to Proposed 110/11KV Challageri S/S in Ranebennur Taluk, Haveri District.

Client : Karnataka Power Transmission Corporation Limited

Surveyors : M/s Niketan Consultants LLP, Bengaluru.

Job No:KA3394

SI No.	Tower Nos.	Survey No's	Village	Hobli	Taluk	District
1	Bay to T.No.1	159, 160	Aremallapura	Medleri	Ranebennur	Haveri
2	T.No.1 to T.No.2	160				
3	T. No.2 to T.No.3	160, 162				
4	T. No.3 to T.No.4	162, 163				
5	T. No.4 to T.No.5	163, 176, 175				
6	T. No.5 to T.No.6	175, 174				
7	T. No.6 to T.No.7	174, 168				
8	T. No.7 to T.No.8	168, 169, 170				
9	T. No.8 to T.No.9	170	Airani			
		333				
10	T. No.9 to T.No.10	333, 332				
11	T. No.10 to T.No.11	332, 337				
12	T. No.11 to T.No.12	337, 336				
13	T. No.12 to T.No.13	336, 341, 340				
14	T. No.13 to T.No.14	340, 238, 239				
15	T. No.14 to T.No.15	239, 240				
16	T. No.15 to T.No.16	240, 241				
17	T. No.16 to T.No.17	241, 242, 243, 252				
18	T. No.17 to T.No.18	252, 246				
19	T. No.18 to T.No.19	246, 193				
20	T. No.19 to T.No.20	193				
21	T. No.20 to T.No.21	193				
22	T. No.21 to T.No.22	193				
23	T. No.22 to T.No.23	193				
24	T. No.23 to T.No.24	193, 165				
25	T. No.24 to T.No.25	165, 163				
26	T. No.25 to T.No.26	163, 162				
27	T. No.26 to T.No.27	162, 161				
28	T. No.27 to T.No.28	161				