

**TOWER SCHEDULE OF 132KV S/C RANGANADI-ZIRO TRANSMISSION LINE.**

SL NO	TOWER NO	TYPE OF TOWER	EXTENSION	ANGLE OF DEVIATION	SPAN IN (M)	SEC. LENG.	CUMLTV. LENGTH	R.L	WEIGHT SPAN			ADJACENT SPAN			LD	MAJOR CROSSING DETAIL	CPD	GPS CO-ORDINATE	
									LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL				WGS-84	
																		EASTING	NORTHING
0	Ranganadi S/S	Gantry		17°40' RT				295.7							Bay Point HZ S/S		95°16'23.0"	28°07'25.5"	
1	1	D+0	0	24°45' LT	35	35		301.4	-208.00		-208.00	55.00	35.00	90.00	5.7	Dead End		95°16'22.9"	28°07'26.5"
2	2	DRR+3	3	57°00' LT	55	90		303.97	-1115.00	264.00	-851.00	228.00	55.00	283.00	2.57	Metal Road, 33 kV Line	1.1	95°16'23.5"	28°07'29.0"
3	3	BRR+3	3	08°35' RT	228	318		400.86	96.00	1344.00	1440.00	308.00	228.00	536.00	96.89		2.46	95°16'30.5"	28°07'33.3"
4	4	BR+3	3	08°46' LT	308	626		407.29	60.00	213.00	273.00	664.00	308.00	972.00	6.43		2.78	95°16'34.6"	28°07'33.0"
5	5	DRR+9	9	24°48' RT	664	1290		461.23	664.00	605.00	1269.00	709.00	664.00	1373.00	53.94	Metal Road, 33 kV Line	1.23	95°16'37.2"	28°07'30.7"
6	6	DR+0	0	31°25' RT	709	1999		395.4	-63.00	45.00	-18.00	520.00	709.00	1229.00	-65.83	Nala	0.84	95°16'42.5"	28°07'22.5"
7	7	DR+3	3	37°48' LT	520	2519		450.32	-135.00	582.00	447.00	262.00	520.00	782.00	64.92		2.04	95°16'59.5"	28°07'11.3"
8	8	B+0	0	02°12' LT	262	2781		475.87	101.00	398.00	499.00	485.00	262.00	747.00	25.5		0.89	95°17'24.3"	28°06'57.4"
9	9	DR+6	6	39°20' RT	485	3266		495.65	-304.00	385.00	81.00	645.00	485.00	1130.00	19.78	Metal Road, 33 kV Line	3.24		
10	10	DL+3	3	54°50' LT	645	3911		634.59	281.00	952.00	1233.00	287.00	645.00	932.00	138.94		4.21	95°17'33.4"	28°06'53.2"
11	11	B+0	0	11°15' LT	287	4198		624.71	-144.00	7.00	-137.00	432.00	287.00	719.00	-9.8	Metal Road	1.74	95°17'40.4"	28°06'50.3"
12	12	DD+9	9	22°43' LT	413	4611			454.60	214.00	668.60	413.00	195.00	608.00		Metal Road		95°17'50.9"	28°06'44.1"
13	12A	D+6	6	28°04' LT	195	4806			-4.28	428.10	423.82	195.00	298.00	493.00	0				
14	13	D+9	9	06°30' LT	298	5104			-130.00	-27.60	-157.60	298.00	357.00	655.00	0			95°18'10.5"	28°06'34.9"
15	14	DR+9	9	18°20' LT	357	5461		663.19	220.00	544.00	764.00	366.00	621.00	987.00	46.46		1.98	95°18'22.3"	28°06'35.0"
16	15	B+9	9	06°32' RT	366	5827		660.15	15.00	146.00	161.00	305.00	366.00	671.00	-3.04	Nala	3.498		
17	16	B+6	6	05°20' RT	305	6132		676.65	-279.00	291.00	12.00	225.00	305.00	530.00	16.5	Nala	2.69	95°18'44.5"	28°06'39.7"
18	17	BR+3	3	06°40' LT	225	6357		709.93	109.00	505.00	614.00	271.00	225.00	496.00	33.28		2.93	95°18'50.4"	28°06'44.3"
19	18	B+3	3	08°10' RT	271	6628		710.77	-119.00	162.00	43.00	271.00	271.00	542.00	0.84				
20	19	B+6	6	07°33' LT	271	6899		731.24	-110.00	390.00	280.00	235.00	271.00	506.00	20.47		1.35		
21	20	B+9	9	04°10' RT	235	7134		745.93	38.00	346.00	384.00	498.00	235.00	733.00	14.69	Metal Road, 33 kV Line	0.93	95°19'01.7"	28°07'11.9"
22	21	DR+9	9	33°18' RT	498	7632		781.83	-342.00	460.00	118.00	458.00	498.00	956.00	35.9		1.25		
23	22	BRR+6	6	02°25' RT	458	8090		875.05	947.00	801.00	1748.00	207.00	458.00	665.00	93.22	Metal Road	2.54		
24	23	DR+6	6	28°18' LT	207	8297		948.58	-768.00	1156.00	388.00	427.00	207.00	634.00	73.53		1.64		
25	24	DL+0	0	58°17' RT	427	8724		1093.49	149.00	1191.00	1340.00	376.00	427.00	803.00	144.91	Metal Road	1.83	95°19'37.0"	28°07'28.0"
25	25	DR+3	3	50°57' RT	376	9100		1099.16	669.00	229.00	898.00	356.00	376.00	732.00	5.67		2.42	95°19'37.0"	28°07'28.0"
26	26	BR+6	6	08°24' LT	356	9456		1034.66	474.00	-310.00	164.00	774.00	356.00	1130.00	-64.5	Metal Road, 33 kV Line	0.05		
					774										-74.07				

27	27	CRR+9	9	00°00'	774	10230	1010.64	-452.00	303.00	-149.00	415.00	774.00	1189.00	92.87		2		
28	28	DRR+9	9	31°08' RT	415	10645	1103.51	1033.00	867.00	1900.00	796.00	415.00	1211.00	-166.3		2.12		
29	29	DRR+3	3	05°09' RT	796	11441	937.21	1363.00	-235.00	1128.00	496.00	796.00	1292.00	-187.18		1.19		
30	30	BRR+3	3	00°00'	496	11937	750.03	723.00	-864.00	-141.00	177.00	496.00	673.00	-36.98		2.19	95°20'12.3"	28°08'03.2"
31	31	DL+0	0	55°45' LT	177	12114	713.05	114.00	-545.00	-431.00	611.00	177.00	788.00	39.25	LT Line	3.45		
32	32	DR+3	3	37°36' LT	611	12725	752.3	86.00	498.00	584.00	383.00	611.00	994.00	14.34		2.89		
33	33	D+3	3	32°32' LT	383	13108	766.64	261.00	297.00	558.00	315.00	383.00	698.00	-9.33	Near Poosa Village	3.59		
34	34	CR+0	0	29°53' RT	315	13423	757.31	563.00	56.00	619.00	386.00	315.00	701.00	-53.88		2.29	95°20'41.2"	28°08'27.4"
35	35	DDR+6	6	09°36' RT	386	13809	703.43	497.00	-176.00	321.00	843.00	386.00	1229.00	-19.49	11 Kv Line	2.87	95°20'50.5"	28°08'35.5"
36	36	CRR+6	6	05°30' RT	843	14652	683.94	393.00	346.00	739.00	408.00	843.00	1251.00	-23.69	Rangandi River, Metal Road, 33kV Line	1.92	95°21'01.6"	28°08'39.5"
37	37	D+3	3	32°45' RT	408	15060	660.25	-8.00	18.00	10.00	404.00	408.00	812.00	25.84		4.28	95°21'20.0"	28°08'47.7"
38	38	BR+3	3	04°10' RT	404	15464	686.09	537.00	414.00	951.00	365.00	404.00	769.00	-41.48		1.07		
38	39	B+0	0	00°00'	365	15829	644.51	258.00	-170.00	88.00	435.00	365.00	800.00	-4.48	Nala	0.5		
39	40	B+0	0	00°00'	435	16264	640.03	-242.00	179.00	-63.00	535.00	435.00	970	89.84		1.95	95°21'35.1"	28°09'00.6"
40	41	CRR+3	3	06°38' RT	535	16799	729.87	681.00	779.00	1460.00	422.00	535.00	957.00	-66.92	Near Pitapool Filling Station	1.97		
41	42	B+3	3	11°15' LT	422	17221	662.95	278.00	-257.00	21.00	348.00	422.00	770.00	-10.92		2.27	95°21'51.9"	28°09'09.1"
42	43	B+3	3	00°00'	348	17569	652.03	-120.00	73.00	-47.00	398.00	348.00	746.00	38.46	Near Bilo Village	0.5		
43	44	DL+3	3	43°12' LT	398	17967	690.49	70.00	520.00	590.00	862.00	398.00	1260.00	-109.92		1.63		
44	45	DRR+3	3	14°07' RT	862	18829	800.41	108.00	792.00	900.00	629.00	862.00	1491.00	42.57	Near Yazali PS	2.77	95°22'23.0"	28°09'12.4"
45	46	CRR+3	3	12°22' RT	629	19458	842.98	740.00	522.00	1262.00	121.00	629.00	750.00	-27.03		1.23		
46	47	DL+0	0	11°58' LT	121	19579	815.95	695.00	-621.00	74.00	973.00	121.00	1094.00	-73.58	Yazali Guest House	1.64	95°22'39.3"	28°09'13.6"
47	48	DL+6	6	05°05' RT	973	20552	742.37	-162.00	278.00	116.00	903.00	973.00	1876.00	189.35		2.78		
48	49	DL+3	3	00°00'	903	21455	931.72	-803.00	1065.00	262.00	264.00	903.00	1167.00	92.12		1.3	95°23'22.3"	28°09'24.3"
49	50	CRR+3	3	29°15' LT	264	21719	1023.84	-199.00	1096.00	897.00	249.00	264.00	513.00	19.76		3.64		
50	51	BRR+9	9	06°24' LT	249	21968	1043.6	779.00	449.00	1228.00	387.00	249.00	636.00	-71.23		2	95°23'38.0"	28°09'30.2"
51	52	BR+3	3	00°00'	387	22355	972.37	642.00	-390.00	252.00	648.00	387.00	1035.00	-73.45		1.8		
52	53	BR+6	6	02°13' LT	648	23003	898.92	648.00	9.00	657.00	484.00	648.00	1132.00	-66		1.24	95°23'50.8"	28°09'44.5"
53	54	B+6	6	00°00'	484	23487	832.92	210.00	-163.00	47.00	252.00	484.00	736.00	-0.68	Nala, Jungle footpath	1.93	95°23'59.6"	28°09'47.0"
54	55	B+0	0	10°25' LT	252	23739	832.24	-264.00	41.00	-223.00	236.00	252.00	488.00	28.24		2.45	95°24'08.3"	28°09'45.5"
55	56	DRR+3	3	35°53' RT	236	23975	860.48	569.00	501.00	1070.00	608.00	236.00	844.00	-58.4	RIVER, 33 Kv & 02 no. of LT Line	2.95	95°24'19.2"	28°09'46.4"
56	57	DL+3	3	25°42' RT	608	24583	802.08	-170.00	43.00	-127.00	881.00	608.00	1489.00	183.53	Near Tago Hydel	2.13	95°24'23.2"	28°09'42.2"
57	58	DL+3	3	33°50' LT	881	25464	985.61	-452.00	1051.00	599.00	511.00	881.00	1392.00	121.8	Kale River	3.4	95°24'24.1"	28°09'32.0"
58	59	DRR+6	6	11°59' LT	511	25975	1107.41	374.00	963.00	1337.00	870.00	511.00	1381.00		Tago Hydel Channel,	2.47		

58	59	BR+6	6	08°53' LT	870			1125.24	234.00	496.00	730.00	332.00	870.00	1202.00	17.83	LT Line	2.74		
59	60	BR+6	6	08°53' LT	870	26845		1125.24	234.00	496.00	730.00	332.00	870.00	1202.00	254		2.24		
60	61	B+0	0	10°20' RT	332	27177		1123.63	155.00	99.00	254.00	452.00	332.00	784.00	1.83		2.25		
61	62	B+9	9	14°35' LT	452	27629		1125.46	228.00	299.00	527.00	556.00	452.00	1008.00	12.76		2	95°24'35.5"	28°09'17.3"
61	63	C+6	6	21°30' RT	556	28185		1138.22	205.00	330.00	535.00	318.00	556.00	874.00	1.49	Near St. J.B School, 02 Nos. of LT Line	2.2	95°24'35.5"	28°09'17.3"
62	64	C+0	0	16°08' LT	318	28503		1139.71	224.00	115.00	339.00	469.00	318.00	787.00	-7.45		2.5		
63	65	B+9	9	00°32' RT	469	28972		1132.26	296.00	246.00	542.00	452.00	469.00	921.00	-0.99		2.3		
64	66	C+0	0	24°12' RT	452	29424		1131.27	144.00	158.00	302.00	368.00	452.00	820.00	1.99	LT Line, Kacha Road, Nala	3.2	95°25'03.6"	28°08'46.1"
65	67	B+3	3	05°20' LT	368	29792		1133.26	-252.00	224.00	-28.00	236.00	368.00	604.00	31.42		3		
66	68	BR+0	0	06°42' LT	236	30028		1164.68	-105.00	487.00	382.00	202.00	236.00	438.00	11.87	Metal Road, Nala, LT Line, 33 kV, P&T	2		
67	69	B+3	3	02°23' RT	202	30230		1176.55	59.00	307.00	366.00	252.00	202.00	454.00	-2.89		2.8		
68	70	D+0	0	30°50' LT	252	30482		1173.66	-52.00	192.00	140.00	311.00	252.00	563.00	18.7	Near Forest Official Yachuli	2.5		
69	71	B+3	3	13°22' LT	311	30793		1192.36	-405.00	363.00	-42.00	217.00	311.00	528.00	38.58		2.4	95°25'28.2"	28°08'04.9"
70	72	CR+3	3	18°15' LT	217	31010		1230.94	-122.00	621.00	499.00	109.00	217.00	326.00	7.61		3.5		
71	73	CR+0	0	24°54' RT	109	31119		1238.55	496.00	231.00	727.00	397.00	109.00	506.00	-42.31		1.6		
72	74	B+3	3	03°00' LT	397	31516		1196.24	-199.00	-98.00	-297.00	247.00	397.00	644.00	27.74	Nala	2.24		
73	75	B+3	3	05°32' LT	247	31763		1223.98	-106.00	446.00	340.00	497.00	247.00	744.00	59.58		3		
74	76	CR+3	3	17°28' RT	497	32260		1283.56	-361.00	604.00	243.00	190.00	497.00	687.00	30.09		2.6		
75	77	CRR+3	3	16°32' LT	190	32450		1313.65	-798.00	551.00	-247.00	156.00	190.00	346.00	46.11		3.35	95°26'09.1"	28°07'22.6"
76	78	DRR+3	3	30°06' RT	156	32606		1359.76	802.00	956.00	1758.00	395.00	156.00	551.00	-88.06		2.8		
77	79	C+6	6	11°15' LT	395	33001		1271	88.00	-406.00	-318.00	326.00	395.00	721.00	14.5		1.78		
78	80	B+0	0	02°00' RT	326	33327		1286.2	-158.00	238.00	80.00	343.00	326.00	669.00	31.86		1.78		
79	81	CR+6	6	16°25' LT	343	33670		1318.06	45.00	502.00	547.00	372.00	343.00	715.00	24.1		1.55	95°26'34.2"	28°06'52.5"
80	82	B+0	0	08°44' LT	372	34042		1342.16	52.00	327.00	379.00	401.00	372.00	773.00	17.19		1.65		
81	83	BR+3	3	00°00	401	34443		1359.35	-419.00	349.00	-70.00	212.00	401.00	613.00	38.28		1.4		
82	84	CRR+3	3	24°05' LT	212	34655		1397.63	69.00	631.00	700.00	444.00	212.00	656.00	22.55		2.19		
83	85	C+3	3	23°20' RT	444	35099		1420.18	-308.00	375.00	67.00	438.00	444.00	882.00	73.32	LT Line, Near Joram Village, Nala	1.75		
84	86	DR+6	6	05°27' LT	438	35537		1493.5	-319.00	739.00	420.00	280.00	438.00	718.00	40.72		1.65	95°27'10.4"	28°06'18.9"
85	87	BR+9	9	14°40' RT	280	35817		1534.22	329.00	598.00	927.00	276.00	280.00	556.00	-10.47		2		
86	88	B+3	3	06°11' RT	276	36093		1523.75	-21.00	-51.00	-72.00	365.00	276.00	641.00	25.96		3.46	95°27'21.3"	28°06'01.8"
87	89	B+0	0	03°33' RT	365	36458		1549.71	-320.00	385.00	65.00	305.00	365.00	670.00	39.73		1.4		
88	90	BR+9	9	14°30' RT	305	36763		1589.44	-387.00	624.00	237.00	219.00	305.00	524.00	43.06	Nala	1.55		
89	91	DR+3	3	50°53' LT	219	36982		1632.5	-227.00	605.00	378.00	549.00	219.00	768.00	07.71		2	95°27'40.7"	28°05'34.1"

