TPWODL

TP WESTERN ODISHA
DISTRIBUTION LIMITED

(A Joint Venture of Tata Power and Government of Odisha)

CAPEX Plan for FY 24-25 & FY 25-26

Annexures to the DPR

Volume - II

CORPORATE OFFICE

Burla, Sambalpur, Odisha, Pin - 768017

CONTENT

Annexure-1 Division wise details of various network parameters

		Key Performance Indicator (KPI)	RED	RSED	RGP	SNG	SED	SEED	JSG	BRJN	DED	BGH	BWED	BGR	SNP	TED	KEED	KWED	NPD	TPWODL
1	a	Consumer (As on 31.03.2023) (in nos.) Active consumer	73989	115379	135055	116746	66774	121312	135962	52467	75916	136193	192085	155228	151684	237916	179747	185965	146986	2279404
	b	New Connection (in nos.)	2835	4457	4549	4387	3352	3760	4849	1561	1835	5975	8515	5781	3515	9298	7466	9969	4032	86136
	c	New connection to Consumer ratio (in %)	4	4	3	4	5	3	4	3	2	4	4	4	2	4	4	5	3	4
2	a	Total HT length in circuit KM. (As on 31.03.2023)	586	2701	5007	4876	731	2392	2842	1407	2938	2972	4727	3556	4671	5458	3616	4246	2880	55607
	b	Total LT length in circuit KM. (As on 31.03.2023)	1358	2774	5465	5280	761	2197	2092	2054	2686	2798	7554	5656	4645	7016	5409	4089	3307	65141
	c	HT to LT length ratio (in %)	43	97	92	92	96	109	136	69	109	106	63	63	101	78	67	104	87	85
3	a	Total LT length in circuit KM. (As on 31.03.2023)	1358	2774	5465	5280	761	2197	2092	2054	2686	2798	7554	5656	4645	7016	5409	4089	3307	65141
	b	Total length of AB Cable in circuit KM. (As on 31.03.2023)	944	2496	3287	3102	690	41	1182	617	2321	1498	3389	3151	1523	4166	3889	3432	3217	38944
	c	AB cable to LT length ratio (in %)	70	90	60	59	91	2	57	30	86	54	45	56	33	59	72	84	97	60
4	a	Total no of 11 kV feeder (As on 31.03.2023)	31	56	74	70	54	61	97	29	36	85	85	78	87	109	82	70	56	1160
	b	Total no. Of 11 kV audited feeder (As on 31.03.2023)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	11 kV Audited feeder (in %)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	a	Total no of 33 kV feeder (As on 31.03.2023)	6	15	16	16	10	10	14	10	6	10	13	16	8	12	9	8	7	186
	b	Total no. Of 33 kV audited feeder (As on 31.03.2023)	6	14	16	16	8	9	14	10	6	0	0	5	3	2	2	2	1	114

		Key Performance Indicator (KPI)	RED	RSED	RGP	SNG	SED	SEED	JSG	BRJN	DED	BGH	BWED	BGR	SNP	TED	KEED	KWED	NPD	TPWODL
	c	33 kV Audited feeder (in %)	100	93	100	100	80	90	100	100	100	0	0	31	38	17	22	25	14	61
6	a	Total no. Of DTR (As on 31.03.2023)	1195	4590	4177	4790	1425	3634	4040	1376	2970	5504	9401	5178	4815	6785	5556	5173	4876	75485
	b	Total no. Of Audited DTR (As on 31.03.2023)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	% of Audited DTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	a	Overall Distribution Loss (in %)	1.99	11.52	3.68	29.71	26.34	16.77	2.46	13.35	26.16	47.49	64.13	47.27	40.64	45.66	27.88	38.8	47.54	18.4
	b	LT Distribution Loss (in %)	0	12.56	0	32.37	29.19	42.35	31.51	26.42	21.42	55.21	63.53	50.37	43.83	48.4	39.15	39.19	49.26	41.37
	c	Overall AT & C Loss (in %)	2.93	10.01	3.21	19.99	24.32	16.55	3.79	10.98	14.35	51.34	69.11	50.9	44.31	46	23.54	36.88	46.79	18.28
	d	LT AT & C Loss (in %)	0	2.53	0	16.93	28.53	39.67	16.83	17.15	7.42	60.58	69.59	55.14	50.41	48.65	29.86	37.38	48.37	39.28
8	a	No. Of consumer interactive programme	12	6	11	11	14	15	11	12	19	18	22	16	12	20	18	12	8	237
9	a	Total no. Of rural consumer	29609	79070	114930	96152	14919	98208	101146	36085	68423	113976	179729	122273	137170	210573	146742	172878	130983	1852866
	b	Total no. Of Urban consumer	44380	36309	20125	20594	51855	23104	34816	16382	7493	22217	12356	32955	14514	27343	33005	13087	16003	426538
	c	Urban Consumer to Total Consumer ratio (in %)	60	31	15	18	78	19	26	31	10	16	6	21	10	11	18	7	11	19
10	a	Total Employees (in nos.)	215	184	225	161	238	201	198	93	104	248	178	230	143	189	168	140	138	3053
	b	No. Of employees per 1000 consumer	2.91	1.59	1.67	1.38	3.56	1.66	1.46	1.77	1.37	1.82	0.93	1.48	0.94	0.79	0.93	0.75	0.94	1.34
11	a	Working meter (As on 31.03.2023)	69808	95683	124693	101388	61172	101929	118889	47767	65950	110160	139540	125579	116512	192786	149208	161695	109014	1891773
	b	Defective meter (As on31.03.2023)	3494	17187	10053	13787	5272	16589	14390	4374	9065	22546	42304	23738	32638	35610	25602	23171	35419	335239
	c	Consumer without meter (As on 31.03.2023)	687	2509	309	1571	330	2794	2683	326	901	3487	10241	5911	2534	9520	4937	1099	2553	52392
	d	Consumer metering in % (OK	94	83	92	87	92	84	87	91	87	81	73	81	77	81	83	87	74	83

		Key Performance Indicator (KPI)	RED	RSED	RGP	SNG	SED	SEED	JSG	BRJN	DED	BGH	BWED	BGR	SNP	TED	KEED	KWED	NPD	TPWODL
		meter/Total consumer)																		
12	a	11 kV feeder with working meter (in nos.)	31	54	74	68	54	60	97	29	34	69	68	72	61	71	48	56	34	980
	b	11 kV feeder with defective meter (in nos.)	0	2	0	2	0	1	0	0	2	16	17	6	26	38	34	14	22	180
	c	11 kV feeder without meter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d	11 kV feeder metering in % (OK meter/Total 11 kV feeder)	100	96	100	97	100	98	100	100	94	81	80	92	70	65	59	80	61	84
13	a	33 kV feeder with working meter (in nos.)	6	13	16	16	10	10	14	10	6	10	13	16	8	12	9	8	7	184
	b	33 kV feeder with defective meter (in nos.)	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	c	33 kV feeder without meter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d	33 kV feeder metering in % (OK meter/Total 33 kV feeder)	100	87	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99
14	a	DTR with working meter (in nos.)	130	163	646	222	70	0	262	122	0	6	0	163	136	169	1170	679	117	4055
	b	DTR with defective meter (in nos.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	c	DTR without meter	1065	4427	3531	4568	1355	3634	3778	1254	2970	5498	9401	5015	4679	6616	4386	4494	4759	71430
	d	DTR metering in % (OK meter/Total no of DTR)	11	4	15	5	5	0	6	9	0	0	0	3	3	2	21	13	2	5
15	a	Total sale (in MU)	1169.6	435.4	1194.3	158.8	281.2	752.7	4269.7	284.5	59.7	380.6	258.6	254.5	230.4	259.4	296.8	159.9	163.5	10609.6
	b	LT sale (in MU)	123.4	153.3	144.4	105.9	175.6	159.8	172.0	79.4	53.9	236.6	232.3	189.1	165.3	194.9	142.5	124.9	128.6	2582.0
	c	LT sale to Total sale (in %)	11	35	12	67	62	21	4	28	90	62	90	74	72	75	48	78	79	24
16	a	Total no. of GRF order issued	208	374	284	308	83	75	71	64	90	83	62	374	300	390	477	213	168	3624

		Key Performance Indicator (KPI)	RED	RSED	RGP	SNG	SED	SEED	JSG	BRJN	DED	BGH	BWED	BGR	SNP	TED	KEED	KWED	NPD	TPWODL
	b	Total no of GRF order implemented	216	347	235	241	50	48	54	36	56	63	40	359	262	367	423	157	115	3069
	c	Implementation of GRF order (in %)	104	93	83	78	60	64	76	56	62	76	65	96	87	94	89	74	68	85
17	a	Total no. of Ombudsman order issued	0	0	1	0	0	0	0	1	1	4	0	1	0	1	0	0	0	9
	b	Total no. of Ombudsman order implemented	0	0	1	0	0	0	0	0	0	3	0	1	0	1	0	0	0	6
18	a	Average No. of Bill generated per month	69242	81205	98774	63133	60489	77657	122572	44370	58112	128238	119761	143199	78345	205531	130564	94770	84350	1660312
	b	Bill generated per month to total No. Of consumer (in %)	94	70	73	54	91	64	90	85	77	94	62	92	52	86	73	51	57	73
19	a	Average no. of money receipt generated per month	46665	46240	57548	33867	35552	37489	61238	24105	33123	53927	41078	62160	30771	87349	54212	50309	42700	798333
	b	Money receipt generated to bill generated per month (in %)	67	57	58	54	59	48	50	54	57	42	34	43	39	42	42	53	51	48
20	a	Total DTR burnt (in nos.)	45	136	250	212	45	281	236	132	160	206	227	193	205	239	212	135	229	3143
	b	DTR burnt/ Total no. Of DTR	4%	3%	6%	4%	3%	8%	6%	10%	5%	4%	2%	4%	4%	4%	4%	3%	5%	4.20%
	c	Total Capacity of all DTR (in MVA)	118	251	171	181	205	145	196	87	112	330	394	249	249	290	277	227	203	3686
	d	Total capacity of burnt DTR (in MVA)	5.4	7.4	9.9	8.2	5.3	14.7	11.9	7.1	5.9	16.3	11	15	11.4	13.3	9	6.3	12.3	170.5
	e	Capacity of DTR burnt to Capacity of Total DTR (in %)	5	3	6	5	3	10	6	8	5	5	3	6	5	5	3	3	6	4.6
21	a	SAIFI of the Division (11 KV)	434	328	338	527	306	531	383	634	467	741	394	618	706	330	584	551	408	468
	b	SAIDI of the Division (11 KV)	379.9	256.6	159.9	346.8	277.3	306.3	228.8	430.8	293.6	571.5	328.4	363.0	405.3	216.6	331.1	349.9	260.4	330.0
22	a	No. Of fatal accident	1	7	1	3	2	1	3	2	5	0	12	5	3	4	9	2	2	62

Annexure -2 Basic information of existing Sub-stations

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
1	Bargarh	BED,Bargarh	Bargarh	Ambabhona	10	33/11 kV	1.2		N	2*5	Plinth	Y	N	Existing
2	Bargarh	BED,Bargarh	Bargarh	Attabira	19.2	33/11 kV	14.1		N	2*8+1*3.15	Plinth	N	N	To be implemented
3	Bargarh	BED,Bargarh	Bargarh	Bhatli	18	33/11 kV	18.7		N	2*5+1*8	Plinth	N	Y	To be implemented
4	Bargarh	BED, Bargarh	Bargarh	Bheden	8.15	33/11 kV	4.5		N	1*3.15+1*5	Plinth	N	N	To be implemented
5	Bargarh	BED, Bargarh	Bargarh	Bhukta	8.15	33/11 kV	6.4		N	1*3.15+1*5	Plinth	N	N	To be implemented
6	Bargarh	BED, Bargarh	Bargarh	Dhatu Pali	10	33/11 kV	3.4		N	2*5	Plinth	Y	N	Existing
7	Bargarh	BED, Bargarh	Bargarh	Division-1	13	33/11 kV	10.7		N	1*5+1*8	Plinth	N	Y	To be implemented
8	Bargarh	BED, Bargarh	Bargarh	Division-2	16	33/11 kV	14.9		N	2*8	Plinth	N	Y	To be implemented
9	Bargarh	BED, Bargarh	Bargarh	Dungri	8.15	33/11 kV	5.8		N	1*3.15+1*5	Plinth	N	N	To be implemented
10	Bargarh	BED, Bargarh	Bargarh	Godbhaga	13	33/11 kV	7.2		N	1*5+1*8	Plinth	N	N	To be implemented
11	Bargarh	BED,Bargarh	Bargarh	Gondturum	10	33/11 kV	2		N	2*5	Plinth	Y	N	To be implemented
12	Bargarh	BED, Bargarh	Bargarh	Kamgaon	10	33/11 kV	6.8		N	2*5	Plinth	N	N	To be implemented
13	Bargarh	BED, Bargarh	Bargarh	Kandpala	10	33/11 kV	3.7		N	2*5	Plinth	Y	N	To be implemented
14	Bargarh	BED, Bargarh	Bargarh	Khedapali	10	33/11 kV	5.6		N	2*5	Plinth	N	N	To be implemented
15	Bargarh	BED, Bargarh	Bargarh	Khutlipali	6.3	33/11 kV	2.9		N	2*3.15	Plinth	Y	N	To be implemented
16	Bargarh	BED, Bargarh	Bargarh	Patrapali	10	33/11 kV	6.2		N	2*5	Plinth	N	N	Existing
17	Bargarh	BED, Bargarh	Bargarh	Pradhanpali	13	33/11 kV	11.1		N	1*5+1*8	Plinth	N	Y	To be implemented
18	Bargarh	BED, Bargarh	Bargarh	Raisobha	10	33/11 kV	7		N	2*5	Plinth	N	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
19	Bargarh	BED, Bargarh	Bargarh	Tangerpali	5	33/11 kV	2.2		Y	1*5	Plinth	N	N	To be implemented
20	Bargarh	BED, Bargarh	Bargarh	Thuapali	18	33/11 kV	6.2		N	2*5+1*8	Plinth	Y	N	To be implemented
21	Bargarh	BED, Bargarh	Bargarh	Tora	16	33/11 kV	7.6		N	2*8	Plinth	Y	N	Existing
22	Bargarh	BED, Bargarh	Bargarh	Turunga	23	33/11 kV	16.8		Y	3*5+1*8	Plinth	N	N	To be implemented
23	Bargarh	BED, Bargarh	Bargarh	Udayapali	10	33/11 kV	7.6		N	2*5	Plinth	N	N	To be implemented
24	Bargarh	BWED, Bargarh	Bargarh	Arda	10	33/11 kV	8		Y	2*5	Plinth	N	Y	To be implemented
25	Bargarh	BWED, Bargarh	Bargarh	Balitikra	10	33/11 kV	7.2		N	2*5	Plinth	N	N	To be implemented
26	Bargarh	BWED, Bargarh	Bargarh	Barpali	29.2	33/11 kV	21.9		N	1*3.15+2*5 +2*8	Plinth	N	N	To be implemented
27	Bargarh	BWED, Bargarh	Bargarh	Bijepur	16.2	33/11 kV	18.3		Y	1*3.15+1*5 +1*8	Plinth	N	Y	To be implemented
28	Bargarh	BWED, Bargarh	Bargarh	Charmunda	10	33/11 kV	5.5		N	2*5	Plinth	N	N	To be implemented
29	Bargarh	BWED, Bargarh	Bargarh	Dahita	10	33/11 kV	2.5		N	2*5	Plinth	Y	N	Existing
30	Bargarh	BWED, Bargarh	Bargarh	Dasmile	13	33/11 kV	10.7		Y	1*5+1*8	Plinth	N	Y	To be implemented
31	Bargarh	BWED, Bargarh	Bargarh	Dova	10	33/11 kV	7.8		N	2*5	Plinth	N	N	To be implemented
32	Bargarh	BWED, Bargarh	Bargarh	Dunguripali	10	33/11 kV	5		N	2*5	Plinth	Y	N	Existing
33	Bargarh	BWED, Bargarh	Bargarh	Gaisilet	11.3	33/11 kV	7.1		N	2*3.15+1*5	Plinth	N	N	To be implemented
34	Bargarh	BWED, Bargarh	Bargarh	Ghenss	10	33/11 kV	10.2		N	2*5	Plinth	N	Y	To be implemented
35	Bargarh	BWED, Bargarh	Bargarh	Jharbandh	13.2	33/11 kV	7.3		N	1*3.15+2*5	Plinth	Y	N	To be implemented
36	Bargarh	BWED, Bargarh	Bargarh	Jhitiki	10	33/11 kV	2.6		N	2*5	Plinth	Y	N	Existing
37	Bargarh	BWED, Bargarh	Bargarh	Kundakhai	10	33/11 kV	4.7		N	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
38	Bargarh	BWED, Bargarh	Bargarh	Lakhamara	10	33/11 kV	3.2		N	2*5	Plinth	Y	N	Existing
39	Bargarh	BWED, Bargarh	Bargarh	Mandosil	10	33/11 kV	5.4		N	2*5	Plinth	N	N	Existing
40	Bargarh	BWED, Bargarh	Bargarh	Melchhamunda	10	33/11 kV	8.2		N	2*5	Plinth	N	Y	To be implemented
41	Bargarh	BWED, Bargarh	Bargarh	Padampur	21	33/11 kV	10.9		N	1*5+2*8	Plinth	Y	N	To be implemented
42	Bargarh	BWED, Bargarh	Bargarh	Paikmal	10	33/11 kV	7.2		N	2*5	Plinth	N	N	To be implemented
43	Bargarh	BWED, Bargarh	Bargarh	Sarandapali	10	33/11 kV	11.1		Y	2*5	Plinth	N	N	To be implemented
44	Bargarh	BWED, Bargarh	Bargarh	Sohella	29	33/11 kV	22.2		Y	1*5+3*8	Plinth	N	N	To be implemented
45	BOLANGIR	BED, BOLANGIR	Bolangir	AGALPUR	8.15	33/11 kV	3		Y	1*3.15+1*5	Plinth	Y	N	To be implemented
46	BOLANGIR	BED, BOLANGIR	Bolangir	BHADRA(KANDAJURI)	10	33/11 kV	1.7		Y	2*5	Plinth	Y	N	To be implemented
47	BOLANGIR	BED, BOLANGIR	Bolangir	BHARSUJA	10	33/11 kV	0.5		Y	2*5	Plinth	Y	N	Existing
48	BOLANGIR	BED, BOLANGIR	Bolangir	BUDABAHAL	10	33/11 kV	0.5		Y	2*5	Plinth	Y	N	To be implemented
49	BOLANGIR	BED, BOLANGIR	Bolangir	CHHATAMAKHANA	13	33/11 kV	4.1		Y	1*5+1*8	Plinth	Y	N	To be implemented
50	BOLANGIR	BED, BOLANGIR	Bolangir	CHUDAPALI(BARPUDIGIA)	11.3	33/11 kV	3.4		N	2*3.15+1*5	Plinth	Y	N	To be implemented
51	BOLANGIR	BED, BOLANGIR	Bolangir	DEOGAON	8.15	33/11 kV	1.8		Y	1*3.15+1*5	Plinth	Y	N	To be implemented
52	BOLANGIR	BED, BOLANGIR	Bolangir	INDUSTRIAL ESTATE BALANGIR	16	33/11 kV	6.8		N	2*8	Plinth	Y	N	To be implemented
53	BOLANGIR	BED, BOLANGIR	Bolangir	JAIL(ODSSP)BOLANGIR	10	33/11 kV	2.5		Y	2*5	Plinth	Y	N	Existing
54	BOLANGIR	BED, BOLANGIR	Bolangir	JARASINGHA	10	33/11 kV	0.5		Y	2*5	Plinth	Y	N	Existing
55	BOLANGIR	BED, BOLANGIR	Bolangir	KASABAHAL	10	33/11 kV	1.4		Y	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
56	BOLANGIR	BED, BOLANGIR	Bolangir	KUDASINGHA	6.3	33/11 kV	0.2		Y	2*3.15	Plinth	Y	N	To be implemented
57	BOLANGIR	BED, BOLANGIR	Bolangir	LALTIKIRA	17.5	33/11 kV	4.8		Y	3*3.15+1*8	Plinth	Y	N	To be implemented
58	BOLANGIR	BED, BOLANGIR	Bolangir	LOISINGHA	11.3	33/11 kV	3.1		Y	2*3.15+1*5	Plinth	Y	N	To be implemented
59	BOLANGIR	BED, BOLANGIR	Bolangir	MADHIAPALI	10	33/11 kV	0.9		Y	2*5	Plinth	Y	N	To be implemented
60	BOLANGIR	BED, BOLANGIR	Bolangir	POWERHOUSE BALANGIR	16	33/11 kV	6.9		Y	2*8	Plinth	Y	N	Existing
61	BOLANGIR	BED, BOLANGIR	Bolangir	PUINTALA(REC)	10	33/11 kV	2.7		Y	2*5	Plinth	Y	N	To be implemented
62	BOLANGIR	BED, BOLANGIR	Bolangir	SALEBHATA	10	33/11 kV	6.3		Y	2*5	Plinth	N	N	To be implemented
63	BOLANGIR	BED, BOLANGIR	Bolangir	SUDPADA	5	33/11 kV	3.2		Y	1*5	Plinth	N	N	To be implemented
64	BOLANGIR	BED, BOLANGIR	Bolangir	TUSURA	13.2	33/11 kV	12.6		N	1*3.15+2*5	Plinth	N	Y	To be implemented
65	BOLANGIR	SED, SONEPUR	Sonepur	Ainlachat	10	33/11 kV	1.5		Y	2*5	Plinth	Y	N	To be implemented
66	BOLANGIR	SED, SONEPUR	Sonepur	BHATABAHALI(RLTAP)	10	33/11 kV	2.3		N	2*5	Plinth	Y	N	To be implemented
67	BOLANGIR	SED, SONEPUR	Sonepur	BINKA	21.2	33/11 kV	3		N	1*3.15+2*5 +1*8	Plinth	Y	N	To be implemented
68	BOLANGIR	SED, SONEPUR	Sonepur	BISALPALLI	16	33/11 kV	7.6		N	2*8	Plinth	Y	N	To be implemented
69	BOLANGIR	SED, SONEPUR	Sonepur	BMPUR	16.3	33/11 kV	7.1		N	2*3.15+2*5	Plinth	Y	N	To be implemented
70	BOLANGIR	SED, SONEPUR	Sonepur	CHARVATA	10	33/11 kV	0.6		N	2*5	Plinth	Y	N	To be implemented
71	BOLANGIR	SED, SONEPUR	Sonepur	CHERUPALI	18	33/11 kV	5.3		Y	2*5+1*8	Plinth	Y	N	To be implemented
72	BOLANGIR	SED, SONEPUR	Sonepur	DUBLA	10	33/11 kV	0.8		N	2*5	Plinth	Y	N	Existing
73	BOLANGIR	SED, SONEPUR	Sonepur	DUMERBAHAL	6.6	33/11 kV	2.7		N	1*1.6+1*5	Plinth	N	N	To be implemented
74	BOLANGIR	SED, SONEPUR	Sonepur	HARDAKHOL	10	33/11 kV	2.9		N	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
75	BOLANGIR	SED, SONEPUR	Sonepur	HEADKITIKIRA(KALAPATHAR)	10	33/11 kV	0.7		N	2*5	Plinth	Y	N	Existing
76	BOLANGIR	SED, SONEPUR	Sonepur	HIKUDI (RAXA CHOWK)	10	33/11 kV	1.3		N	2*5	Plinth	Y	N	To be implemented
77	BOLANGIR	SED, SONEPUR	Sonepur	KHARI	13.2	33/11 kV	5.4		N	1*3.15+2*5	Plinth	Y	N	To be implemented
78	BOLANGIR	SED, SONEPUR	Sonepur	MURSHUNDHI	10	33/11 kV	1.6		N	2*5	Plinth	Y	N	Existing
79	BOLANGIR	SED, SONEPUR	Sonepur	PANDKITAL	11.3	33/11 kV	3.9		N	2*3.15+1*5	Plinth	Y	N	To be implemented
80	BOLANGIR	SED, SONEPUR	Sonepur	SALEDI	10	33/11 kV	2.5		N	2*5	Plinth	Y	N	To be implemented
81	BOLANGIR	SED, SONEPUR	Sonepur	SONEPUR(NEW)	10	33/11 kV	1.8		N	2*5	Plinth	Y	N	To be implemented
82	BOLANGIR	SED, SONEPUR	Sonepur	SONEPUR(OLD)	11.2	33/11 kV	2.5		N	1*3.15+1*8	Plinth	Y	N	To be implemented
83	BOLANGIR	SED, SONEPUR	Sonepur	SUBALAYA	10	33/11 kV	2.2		N	2*5	Plinth	Y	N	To be implemented
84	BOLANGIR	SED, SONEPUR	Sonepur	TARVA	8.15	33/11 kV	3.7		N	1*3.15+1*5	Plinth	N	N	To be implemented
85	BOLANGIR	SED, SONEPUR	Sonepur	ULLUNDA	11.6	33/11 kV	3.8		N	1*1.6+2*5	Plinth	Y	N	To be implemented
86	BOLANGIR	TED, TITILAGARH	Bolangir	BAGABAHAL(ODSSP)	10	33/11 kV	2		Y	2*5	Plinth	Y	N	To be implemented
87	BOLANGIR	TED, TITILAGARH	Bolangir	BANGOMUNDA	6.3	33/11 kV	2.7		Y	2*3.15	Plinth	Y	N	To be implemented
88	BOLANGIR	TED, TITILAGARH	Bolangir	BELGAON	8.15	33/11 kV	3		Y	1*3.15+1*5	Plinth	Y	N	To be implemented
89	BOLANGIR	TED, TITILAGARH	Bolangir	BELPADA	11.3	33/11 kV	3.5		Y	2*3.15+1*5	Plinth	Y	N	To be implemented
90	BOLANGIR	TED, TITILAGARH	Bolangir	DABRI	10	33/11 kV	1.6		N	2*5	Plinth	Y	N	To be implemented
91	BOLANGIR	TED, TITILAGARH	Bolangir	DHUMABHATA	10	33/11 kV	2.6		N	2*5	Plinth	Y	N	To be implemented
92	BOLANGIR	TED, TITILAGARH	Bolangir	GHUMER	8.15	33/11 kV	2.4		N	1*3.15+1*5	Plinth	Y	N	To be implemented
93	BOLANGIR	TED, TITILAGARH	Bolangir	GUDIGHAT	10	33/11 kV	1.7		N	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
94	BOLANGIR	TED, TITILAGARH	Bolangir	JURIA	10	33/11 kV	1.2		N	2*5	Plinth	Y	N	To be implemented
95	BOLANGIR	TED, TITILAGARH	Bolangir	KANTABANJI	13	33/11 kV	3.9		Y	1*5+1*8	Plinth	Y	N	To be implemented
96	BOLANGIR	TED, TITILAGARH	Bolangir	KANUT(ODSSP)	10	33/11 kV	2.3		Y	2*5	Plinth	Y	N	Existing
97	BOLANGIR	TED, TITILAGARH	Bolangir	KARAMTULA	10	33/11 kV	2		Y	2*5	Plinth	Y	N	To be implemented
98	BOLANGIR	TED, TITILAGARH	Bolangir	KHAPRAKHOL	8.15	33/11 kV	2.9		N	1*3.15+1*5	Plinth	Y	N	To be implemented
99	BOLANGIR	TED, TITILAGARH	Bolangir	KHOLAN	8.15	33/11 kV	3.1		Y	1*3.15+1*5	Plinth	Y	N	To be implemented
100	BOLANGIR	TED, TITILAGARH	Bolangir	LARAMBHA	10	33/11 kV	1.7		N	2*5	Plinth	Y	N	To be implemented
101	BOLANGIR	TED, TITILAGARH	Bolangir	LATHORE	10	33/11 kV	1.6		N	2*5	Plinth	Y	N	To be implemented
102	BOLANGIR	TED, TITILAGARH	Bolangir	MURIBAHAL	8.15	33/11 kV	3.5		Y	1*3.15+1*5	Plinth	N	N	To be implemented
103	BOLANGIR	TED, TITILAGARH	Bolangir	PANDRIPANI	10	33/11 kV	2.2		Y	2*5	Plinth	Y	N	To be implemented
104	BOLANGIR	TED, TITILAGARH	Bolangir	PATNAGARH	13	33/11 kV	6.9		N	1*5+1*8	Plinth	N	N	To be implemented
105	BOLANGIR	TED, TITILAGARH	Bolangir	PIPALPADA	10	33/11 kV	0.6		Y	2*5	Plinth	Y	N	To be implemented
106	BOLANGIR	TED, TITILAGARH	Bolangir	SAINTALA	6.3	33/11 kV	3.3		Y	2*3.15	Plinth	N	N	To be implemented
107	BOLANGIR	TED, TITILAGARH	Bolangir	SINDHEKELA	8.15	33/11 kV	2.9		Y	1*3.15+1*5	Plinth	Y	N	To be implemented
108	BOLANGIR	TED, TITILAGARH	Bolangir	TENDAPADAR	6.3	33/11 kV	1.7		N	2*3.15	Plinth	Y	N	To be implemented
109	BOLANGIR	TED, TITILAGARH	Bolangir	THAKPADA	6.3	33/11 kV	3.4		N	2*3.15	Plinth	N	N	To be implemented
110	BOLANGIR	TED, TITILAGARH	Bolangir	TITLAGARH	16	33/11 kV	6.7		Y	2*8	Plinth	Y	N	To be implemented
111	BOLANGIR	TED, TITILAGARH	Bolangir	TUREIKELA	6.6	33/11 kV	3.1		N	1*1.6+1*5	Plinth	N	N	To be implemented
112	KALAHANDI	KEED	Kalahandi	ATTANGUDA	10	33/11 kV	0.6		Y	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
113	KALAHANDI	KEED	Kalahandi	BANDHAPARI	6.3	33/11 kV	1.5		N	2*3.15	Plinth	Y	N	To be implemented
114	KALAHANDI	KEED	Kalahandi	BANDOPALA	10	33/11 kV	2.7		Y	2*5	Plinth	Y	N	To be implemented
115	KALAHANDI	KEED	Kalahandi	BHANGABARI	13	33/11 kV	1		N	1*5+1*8	Plinth	Y	N	To be implemented
116	KALAHANDI	KEED	Kalahandi	BISWANATHPUR	4.75	33/11 kV	1.6		N	1*3.15+1*1.6	Plinth	Y	N	To be implemented
117	KALAHANDI	KEED	Kalahandi	BORDA	4.75	33/11 kV	2.2		Y	1*3.15+1*1.6	Plinth	N	N	To be implemented
118	KALAHANDI	KEED	Kalahandi	KARLAMUNDA	5	33/11 kV	2.9		N	1*5	Plinth	N	N	To be implemented
119	KALAHANDI	KEED	Kalahandi	KARLAPADA	10	33/11 kV	1.1		N	2*5	Plinth	Y	N	Existing
120	KALAHANDI	KEED	Kalahandi	KESINGA	18	33/11 kV	10.9		N	2*5+1*8	Plinth	N	N	To be implemented
121	KALAHANDI	KEED	Kalahandi	KUSADUNGRI	10	33/11 kV	7.7		Y	2*5	Plinth	N	N	To be implemented
122	KALAHANDI	KEED	Kalahandi	LANJIGARH	3.15	33/11 kV	1.7		N	1*3.15	Plinth	Y	N	To be implemented
123	KALAHANDI	KEED	Kalahandi	M.RAMPUR	8.15	33/11 kV	2.6		N	1*3.15+1*5	Plinth	Y	N	To be implemented
124	KALAHANDI	KEED	Kalahandi	MADANPUR	4.75	33/11 kV	1.3		N	1*3.15+1*1.6	Plinth	Y	N	To be implemented
125	KALAHANDI	KEED	Kalahandi	MOHANGIRI BANJAMUNDA	6.3	33/11 kV	1		N	2*3.15	Plinth	Y	N	To be implemented
126	KALAHANDI	KEED	Kalahandi	NAKTIGUDA	29	33/11 kV	11.1		Y	1*5+3*8	Plinth	Y	N	To be implemented
127	KALAHANDI	KEED	Kalahandi	NARLA	13	33/11 kV	4.1		N	1*5+1*8	Plinth	Y	N	To be implemented
128	KALAHANDI	KEED	Kalahandi	NUNMATH	10	33/11 kV	1.4		N	2*5	Plinth	Y	N	To be implemented
129	KALAHANDI	KEED	Kalahandi	RAISINGPUR	10	33/11 kV	2.4		Y	2*5	Plinth	Y	N	To be implemented
130	KALAHANDI	KEED	Kalahandi	RUPRA ROAD	10	33/11 kV	2.4		N	2*5	Plinth	Y	N	To be implemented
131	KALAHANDI	KEED	Kalahandi	SISAKHAL	10	33/11 kV	3.3		N	2*5	Plinth	Y	N	To be implemented
132	KALAHANDI	KEED	Kalahandi	UTKELA	5	33/11 kV	2.1		N	1*5	Plinth	N	N	To be implemented
133	KALAHANDI	KWED	Kalahandi	ADRI	4.75	33/11 kV	1		N	1*3.15+1*1.6	Plinth	Y	N	To be implemented
134	KALAHANDI	KWED	Kalahandi	BADAKUTRU	11.3	33/11 kV	3		Y	2*3.15+1*5	Plinth	Y	N	To be implemented
135	KALAHANDI	KWED	Kalahandi	BEHERA	10	33/11 kV	1.6		Y	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
136	KALAHANDI	KWED	Kalahandi	CHARBAHAL	7.9	33/11 kV	3.4		Y	2*3.15+1*1.6	Plinth	Y	N	To be implemented
137	KALAHANDI	KWED	Kalahandi	CHICHIGUDA	10	33/11 kV	3.5		Y	2*5	Plinth	Y	N	To be implemented
138	KALAHANDI	KWED	Kalahandi	DASPUR	10	33/11 kV	2		Y	2*5	Plinth	Y	N	To be implemented
139	KALAHANDI	KWED	Kalahandi	DHARMAGARH	18	33/11 kV	6.9		Y	2*5+1*8	Plinth	Y	N	To be implemented
140	KALAHANDI	KWED	Kalahandi	GADRAMAL	10	33/11 kV	4.2		Y	2*5	Plinth	Y	N	To be implemented
141	KALAHANDI	KWED	Kalahandi	GOLAMUNDA	6.6	33/11 kV	2.4		Y	1*1.6+1*5	Plinth	N	N	To be implemented
142	KALAHANDI	KWED	Kalahandi	JAIPATNA	5	33/11 kV	2.6		Y	1*5	Plinth	N	N	To be implemented
143	KALAHANDI	KWED	Kalahandi	JUNAGARH	16.3	33/11 kV	7		N	2*3.15+2*5	Plinth	Y	N	To be implemented
144	KALAHANDI	KWED	Kalahandi	KALAMPUR	10	33/11 kV	0		N	2*5	Plinth	Y	N	To be implemented
145	KALAHANDI	KWED	Kalahandi	KASIBAHAL	10	33/11 kV	1		Y	2*5	Plinth	Y	N	Existing
146	KALAHANDI	KWED	Kalahandi	KEGAON	6.3	33/11 kV	2.5		Y	2*3.15	Plinth	Y	N	To be implemented
147	KALAHANDI	KWED	Kalahandi	LADUGAON	10	33/11 kV	3.5		Y	2*5	Plinth	Y	N	To be implemented
148	KALAHANDI	KWED	Kalahandi	MAHICHALA	10	33/11 kV	2		Y	2*5	Plinth	Y	N	To be implemented
149	KALAHANDI	KWED	Kalahandi	MUKHIGUDA	6.3	33/11 kV	1.9		N	2*3.15	Plinth	Y	N	To be implemented
150	KALAHANDI	KWED	Kalahandi	T RAMPUR	3.15	33/11 kV	2.3		N	1*3.15	Plinth	Y	N	To be implemented
151	KALAHANDI	KWED	Kalahandi	TEMRA	10	33/11 kV	1.3		Y	2*5	Plinth	Y	N	Existing
152	KALAHANDI	NED	Nuapada	BADI	10	33/11 kV	4.6		Y	2*5	Plinth	Y	N	Existing
153	KALAHANDI	NED	Nuapada	Bargaon	6.3	33/11 kV	3		Y	2*3.15	Plinth	Y	N	To be implemented
154	KALAHANDI	NED	Nuapada	BATIBAHAL	3.2	33/11 kV	0.6		Y	2*1.6	Plinth	Y	N	To be implemented
155	KALAHANDI	NED	Nuapada	BISORA	8	33/11 kV	4		Y	1*8	Plinth	N	N	To be implemented
156	KALAHANDI	NED	Nuapada	BODEN	6.3	33/11 kV	2.4		N	2*3.15	Plinth	Y	N	To be implemented
157	KALAHANDI	NED	Nuapada	CHALNA	10	33/11 kV	1.7		Y	2*5	Plinth	Y	N	To be implemented
158	KALAHANDI	NED	Nuapada	KHARIAR	21.2	33/11 kV	10.6		Y	1*3.15+2*5+1*8	Plinth	Y	N	To be implemented
159	KALAHANDI	NED	Nuapada	KHARIAR ROAD	11.2	33/11 kV	6.7		Y	1*3.15+1*8	Plinth	N	N	To be implemented
160	KALAHANDI	NED	Nuapada	KOMNA	10	33/11 kV	3.1		Y	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
161	KALAHANDI	NED	Nuapada	KURUMPURI	8.15	33/11 kV	4.3		Y	1*3.15+1*5	Plinth	N	N	To be implemented
162	KALAHANDI	NED	Nuapada	LESUNPALI	10	33/11 kV	1.4		Y	2*5	Plinth	Y	N	To be implemented
163	KALAHANDI	NED	Nuapada	NUAPADA	10	33/11 kV	6.4		Y	2*5	Plinth	N	N	To be implemented
164	KALAHANDI	NED	Nuapada	SAIPALA	4.75	33/11 kV	2.4		Y	1*3.15+1*1.6	Plinth	N	N	To be implemented
165	KALAHANDI	NED	Nuapada	SARABONG	6.3	33/11 kV	2.8		Y	2*3.15	Plinth	Y	N	To be implemented
166	KALAHANDI	NED	Nuapada	SINAPALI	11.3	33/11 kV	6.3		Y	2*3.15+1*5	Plinth	Y	N	To be implemented
167	KALAHANDI	NED	Nuapada	TIMARPUR	10	33/11 kV	2.5		N	2*5	Plinth	Y	N	To be implemented
168	ROURKELA	RED, RAJGANGPUR	Sundargarh	Alanda	10	33/11 kV	1.9	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented
169	ROURKELA	RED, RAJGANGPUR	Sundargarh	Balanda	10	33/11 kV	2.8	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	Existing
170	ROURKELA	RED, RAJGANGPUR	Sundargarh	Bargaon	9.75	33/11 kV	1.4	33 kV: line bay-5 T/F bay -3	Y	1*1.6+1*3.15+1*5	Plinth	Y	N	To be implemented
171	ROURKELA	RED, RAJGANGPUR	Sundargarh	Jharbeda	10	33/11 kV	2	33 kV: line bay-2 T/F bay -2	Y	2*5	Plinth	N	N	Existing
172	ROURKELA	RED, RAJGANGPUR	Sundargarh	Biringatoli	10	33/11 kV	1.6	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	Existing
173	ROURKELA	RED, RAJGANGPUR	Sundargarh	Birmitrapur	10	33/11 kV	5.9	33 kV: line bay-4 T/F bay -2	Y	2*5	Plinth	N	N	To be implemented
174	ROURKELA	RED, RAJGANGPUR	Sundargarh	Hatibari	9.75	33/11 kV	2	33 kV: line bay-1 T/F bay -3	Y	1*1.6+1*3.15+1*5	Plinth	Y	N	To be implemented
175	ROURKELA		Sundargarh	IDC	13	33/11 kV	5.7	33 kV:	Y	1*5+1*8	Plinth	N	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
		RED, RAJGANGPUR						line bay-2 T/F bay -2						
176	ROURKELA	RED, RAJGANGPUR	Sundargarh	Jarangloi	10	33/11 kV	1.7	33 kV: line bay-2 T/F bay -2	Y	2*5	Plinth	Y	N	Existing
177	ROURKELA	RED, RAJGANGPUR	Sundargarh	Kuarmunda	13.2	33/11 kV	4.5	33 kV: line bay-4 T/F bay -3	Y	1*3.15+2*5	Plinth	Y	N	To be implemented
178	ROURKELA	RED, RAJGANGPUR	Sundargarh	Kutra	9.45	33/11 kV	4.1	33 kV: line bay-5 T/F bay -3	Y	3*3.15	Plinth	Y	N	To be implemented
179	ROURKELA	RED, RAJGANGPUR	Sundargarh	LINDRA	10	33/11 kV	0.6	33 33 kV: line bay-2 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented
180	ROURKELA	RED, RAJGANGPUR	Sundargarh	Mandiakudar	7.9	33/11 kV	3	33 kV: line bay-3 T/F bay -3	Y	2*3.15+1*1.6	Plinth	Y	N	To be implemented
181	ROURKELA	RED, RAJGANGPUR	Sundargarh	Nuagaon	8.15	33/11 kV	5.9	33 kV: line bay-2 T/F bay -2	Y	1*3.15+1*5	Plinth	N	N	To be implemented
182	ROURKELA	RED, RAJGANGPUR	Sundargarh	Otto India	5	33/11 kV	1.3	33 kV: line bay-1 T/F bay -1	Y	1*5	Plinth	N	N	To be implemented
183	ROURKELA	RED, RAJGANGPUR	Sundargarh	Raiboga	10	33/11 kV	1.6	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented
184	ROURKELA	RED, RAJGANGPUR	Sundargarh	Rajgangpur	18	33/11 kV	9.7	33 kV: line bay-2 T/F bay -3	Y	2*5+1*8	Plinth	Y	N	To be implemented
185	ROURKELA	RED, RAJGANGPUR	Sundargarh	Sahajbahal	10	33/11 kV	0.3	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
186	ROURKELA	RED, RAJGANGPUR	Sundargarh	Singhapada (Bhagatola)	10	33/11 kV	1.7	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	Existing
187	ROURKELA	RED, RAJGANGPUR	Sundargarh	Vedvyas	16	33/11 kV	7	33 kV: line bay-3 T/F bay -2	N	2*8	Plinth	Y	N	To be implemented
188	ROURKELA	RED, RKL	Sundargarh	BASANTI	16	33/11 kV	8.2	33 kV: line bay-2 T/F bay -2	Y	2*8	Plinth	N	N	To be implemented
189	ROURKELA	RED, RKL	Sundargarh	BISRA	16.2	33/11 kV	6.3	33 kV: line bay-2 T/F bay -3	N	1*3.15+1*5 +1*8	Plinth	Y	N	To be implemented
190	ROURKELA	RED, RKL	Sundargarh	BONDAMUNDA	16	33/11 kV	4	33 kV: line bay-1 T/F bay -2	N	2*8	Plinth	Y	N	Existing
191	ROURKELA	RED, RKL	Sundargarh	DALPOSH	10	33/11 kV	1.4	33 kV: line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	Existing
192	ROURKELA	RED, RKL	Sundargarh	GOPABANDHUPALI (MS Pally)	10	33/11 kV	3.1	33 kV: line bay-1, T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
193	ROURKELA	RED, RKL	Sundargarh	HAMIRPUR	10	33/11 kV	2.3	33 kV: line bay-2, T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
194	ROURKELA	RED, RKL	Sundargarh	JAREIKELA	10	33/11 kV	0.5	33 kV: line bay-2 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
195	ROURKELA	RED, RKL	Sundargarh	KOELNAGAR	16	33/11 kV	9.6	33 kV: line bay-2 T/F bay -2	N	2*8	Plinth	N	N	To be implemented
196	ROURKELA	RED, RKL	Sundargarh	NIT(REC)	18	33/11 kV	8.3	33 kV: line bay-5 T/F bay -3	N	2*5+1*8	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
197	ROURKELA	RED, RKL	Sundargarh	POWERHOUSE RKL	24	33/11 kV	22.1	33 kV: line bay-3 T/F bay -3	N	3*8	Plinth	N	Y	To be implemented
198	ROURKELA	RSED, RKL	Sundargarh	GURUNDIA	10	33/11 kV	3	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented
199	ROURKELA	RSED, RKL	Sundargarh	BONAI	16.3	33/11 kV	5.2	33 kV: line bay-2 T/F bay -4	Y	2*3.15+2*5	Plinth	Y	N	To be implemented
200	ROURKELA	RSED, RKL	Sundargarh	CHHEND	21	33/11 kV	13.6	33 kV: line bay-1 T/F bay -3	N	1*5+2*8	Plinth	N	N	To be implemented
201	ROURKELA	RSED, RKL	Sundargarh	CIVIL TOWNSHIP	16	33/11 kV	7.9	33 kV: line bay-1 T/F bay -2	Y	2*8	Plinth	Y	N	Existing
202	ROURKELA	RSED, RKL	Sundargarh	INDUSTRIAL ESTATE RKL	13	33/11 kV	4.4	33 kV: line bay-2 T/F bay -2	Y	1*5+1*8	Plinth	Y	N	To be implemented
203	ROURKELA	RSED, RKL	Sundargarh	JALDA	16	33/11 kV	7.3	33 kV: line bay-1 T/F bay -2	Y	2*8	Plinth	Y	N	Existing
204	ROURKELA	RSED, RKL	Sundargarh	K BALANGA	6.3	33/11 kV	2	33 kV: line bay-1 T/F bay -2	N	2*3.15	Plinth	Y	N	To be implemented
205	ROURKELA	RSED, RKL	Sundargarh	KOIRA	13.2	33/11 kV	4	33 kV: line bay-2 T/F bay -3	N	1*3.15+2*5	Plinth	Y	N	To be implemented
206	ROURKELA	RSED, RKL	Sundargarh	LATHIKATA	13	33/11 kV	5.3	33 kV: line bay-3 T/F bay -2	Y	1*5+1*8	Plinth	N	N	To be implemented
207	ROURKELA	RSED, RKL	Sundargarh	MAHULDIHA	8.15	33/11 kV	4.4	33 kV: line bay-3 T/F bay -2	Y	1*3.15+1*5	Plinth	N	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
208	ROURKELA	RSED, RKL	Sundargarh	PANPOSH	16	33/11 kV	6.4	33 kV: line bay-1 T/F bay -2	Y	2*8	Plinth	Y	N	To be implemented
209	ROURKELA	RSED, RKL	Sundargarh	RAJAMUNDA	14.8	33/11 kV	5.1	33 kV: line bay-2 T/F bay -4	N	1*1.6+1*3.15+2*5	Plinth	Y	N	To be implemented
210	ROURKELA	RSED, RKL	Sundargarh	TENSA	8.15	33/11 kV	1.3	33 kV: line bay-1 T/F bay -2	N	1*3.15+1*5	Plinth	Y	N	To be implemented
211	ROURKELA	RSED, RKL	Sundargarh	TUNIAPALLI	10	33/11 kV	2.3	33 kV: line bay-1 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented
212	ROURKELA	SED, SUNDARGARH	Sundargarh	Balisankara	10	33/11 kV	2.2	33 kV: line bay-2 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
213	ROURKELA	SED, SUNDARGARH	Sundargarh	Bileimunda	10	33/11 kV	1.6	33 kV: line bay- 1, T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
214	ROURKELA	SED, SUNDARGARH	Sundargarh	College	13	33/11 kV	5.3	33 kV: line bay-1 T/F bay -2	N	1*5+1*8	Plinth	N	N	To be implemented
215	ROURKELA	SED, SUNDARGARH	Sundargarh	Darlipali	10	33/11 kV	1.4	33 kV: line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	Existing
216	ROURKELA	SED, SUNDARGARH	Sundargarh	Garjanbahal	16.6	33/11 kV	2.8	33 kV: line bay-1 T/F bay -4	N	1*1.6+3*5	Plinth	Y	N	To be implemented
217	ROURKELA	SED, SUNDARGARH	Sundargarh	Karamdihi	10	33/11 kV	2.1	33 kV: line bay-2 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
218	ROURKELA	SED, SUNDARGARH	Sundargarh	Kinjirkela	10	33/11 kV	2	33 kV: line bay-1T/F bay -2	N	2*5	Plinth	Y	N	To be implemented

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219	ROURKELA	SED, SUNDARGARH	Sundargarh	Kundukela	10	33/11 kV	1.9	33 kV: line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
220	ROURKELA	SED, SUNDARGARH	Sundargarh	Lefripada	9.75	33/11 kV	4.1	33 kV: line bay-2 T/F bay -3	N	1*1.6+1*3.15+1*5	Plinth	Y	N	To be implemented
221	ROURKELA	SED, SUNDARGARH	Sundargarh	Majhapada	10	33/11 kV	4.2	33 kV: line bay-2 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
222	ROURKELA	SED, SUNDARGARH	Sundargarh	Mangaspur	10	33/11 kV	0.8	33 kV: line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
223	ROURKELA	SED, SUNDARGARH	Sundargarh	Sadar	10	33/11 kV	2.2	33 kV: line bay-1 T/F bay 2	N	2*5	Plinth	Y	N	To be implemented
224	ROURKELA	SED, SUNDARGARH	Sundargarh	Sankara	23	33/11 kV	12.7	33 kV: line bay-4 T/F bay -4	N	3*5+1*8	Plinth	Y	N	To be implemented
225	ROURKELA	SED, SUNDARGARH	Sundargarh	Sargipali	13.2	33/11 kV	1.7	33 kV: line bay-5 T/F bay -3	N	1*3.15+2*5	Plinth	Y	N	To be implemented
226	ROURKELA	SED, SUNDARGARH	Sundargarh	Hemgiri	10	33/11 kV	2.2	33 kV: line bay-2 T/F bay -2		2*5	Plinth	Y	N	To be implemented
227	ROURKELA	SED, SUNDARGARH	Sundargarh	Subdega	15	33/11 kV	3.3	33 kV: line bay-3 T/F bay -3	N	3*5	Plinth	Y	N	To be implemented
228	ROURKELA	SED, SUNDARGARH	Sundargarh	Tumbapali	10	33/11 kV	1.1	33 kV: line bay-2 T/F bay -2	N	2*5	Plinth	Y	N	To be implemented
229	SAMBALPUR	BNED	Jharsuguda	BANDHBAHAL	9.6	33/11 kV	5.6	33 Kv Line Bay 1 T/F bay 2	N	1*1.6+1*8	Plinth	N	N	To be implemented

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								11 kV line bay 3						
230	SAMBALPUR	BNED	Jharsuguda	BRAJARAJNAGAR	16	33/11 kV	9	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	2*8	Plinth	N	N	To be implemented
231	SAMBALPUR	BNED	Jharsuguda	DHULUNDA	10	33/11 kV	6.7	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	N	N	Existing
232	SAMBALPUR	BNED	Jharsuguda	GOVINDPUR	10	33/11 kV	1	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	Y	N	To be implemented
233	SAMBALPUR	BNED	Jharsuguda	JHARUPADA	8.15	33/11 kV	4.5	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	1*3.15+1*5	Plinth	N	N	To be implemented
234	SAMBALPUR	BNED	Jharsuguda	LAKHANPUR	10	33/11 kV	0.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	Y	2*5	Plinth	Y	N	To be implemented
235	SAMBALPUR	BNED	Jharsuguda	MUCHBAHAL	13	33/11 kV	7.7	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	1*5+1*8	Plinth	N	N	To be implemented
236	SAMBALPUR	BNED	Jharsuguda	PANDRI	10	33/11 kV	0.8	33 Kv Line Bay 1 T/F bay 2	N	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay 3						
237	SAMBALPUR	DED	Deogarh	BARKOTE	6.6	33/11 kV	2.8	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	1*1.6+1*5	Plinth	N	N	To be implemented
238	SAMBALPUR	DED	Deogarh	BHAKATABADA KUDAR	10	33/11 kV	1.8	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	2*5	Plinth	Y	N	To be implemented
239	SAMBALPUR	DED	Deogarh	BUDHAPAL	6.3	33/11 kV	3.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	N	2*3.15	Plinth	N	N	To be implemented
240	SAMBALPUR	DED	Deogarh	DEOGARH	8.15	33/11 kV	4.6	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	1*3.15+1*5	Plinth	Y	N	To be implemented
241	SAMBALPUR	DED	Deogarh	KANDHAL	6.3	33/11 kV	1.5	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	2*3.15	Plinth	Y	N	To be implemented
242	SAMBALPUR	DED	Deogarh	RENGALBEDA	6.3	33/11 kV	1.5	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 7	N	2*3.15	Plinth	Y	N	To be implemented
243	SAMBALPUR	DED	Deogarh	TELIMUNDA	10	33/11 kV	3.6	33 Kv Line Bay 1 T/F bay 2	N	2*5	Plinth	Y	N	To be implemented

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								11 kV line bay 4						
244	SAMBALPUR	DED	Deogarh	TILEIBANI	6.3	33/11 kV	1.4	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	N	2*3.15	Plinth	Y	N	To be implemented
245	SAMBALPUR	JED	Jharsuguda	AIRPORT	6.3	33/11 kV	0.5	33 Kv Line Bay 2 T/F bay 2 11 kV line bay 4	Y	2*3.15	Plinth	Y	N	To be implemented
246	SAMBALPUR	JED	Jharsuguda	ARDA	10	33/11 kV	0.9	33 Kv Line Bay 2 T/F bay 2 11 kV line bay 3	Y	2*5	Plinth	Y	N	Existing
247	SAMBALPUR	JED	Jharsuguda	ARDABAHAL	10	33/11 kV	3.2	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	Y	2*5	Plinth	Y	N	Existing
248	SAMBALPUR	JED	Jharsuguda	BADMAL	8.15	33/11 kV	2.7	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	Y	1*3.15+1*5	Plinth	Y	N	To be implemented
249	SAMBALPUR	JED	Jharsuguda	BAGDIHI	8.15	33/11 kV	1.9	33 Kv Line Bay 2 T/F bay 2 11 kV line bay 4	Y	1*3.15+1*5	Plinth	Y	N	To be implemented
250	SAMBALPUR	JED	Jharsuguda	BAMARA	8.15	33/11 kV	2.9	33 Kv Line Bay 1 T/F bay 2	N	1*3.15+1*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay 4						
251	SAMBALPUR	JED	Jharsuguda	BHOJPUR	10	33/11 kV	1	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	Y	N	To be implemented
252	SAMBALPUR	JED	Jharsuguda	BURDA	10	33/11 kV	0.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 2	N	2*5	Plinth	Y	N	To be implemented
253	SAMBALPUR	JED	Jharsuguda	DHH-MEDICAL	6.3	33/11 kV	0.8	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*3.15	Plinth	Y	N	To be implemented
254	SAMBALPUR	JED	Jharsuguda	DURLAGA	10	33/11 kV	3.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	Y	2*5	Plinth	Y	N	To be implemented
255	SAMBALPUR	JED	Jharsuguda	FASIMAL	10	33/11 kV	0.5	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	Y	N	To be implemented
256	SAMBALPUR	JED	Jharsuguda	GARPOSH	10	33/11 kV	3.6	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	N	2*5	Plinth	Y	N	To be implemented
257	SAMBALPUR	JED	Jharsuguda	GOCHARA	10	33/11 kV	0.6	33 Kv Line Bay 1 T/F bay 2	Y	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay 3						
258	SAMBALPUR	JED	Jharsuguda	HADIPALI(KHANDOKATA)	10	33/11 kV	1.2	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	Y	N	Existing
259	SAMBALPUR	JED	Jharsuguda	JAMANKIRA	8.15	33/11 kV	1	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 5	Y	1*3.15+1*5	Plinth	Y	N	To be implemented
260	SAMBALPUR	JED	Jharsuguda	JHARIABAHAL	10	33/11 kV	1.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	2*5	Plinth	Y	N	Existing
261	SAMBALPUR	JED	Jharsuguda	KESEIBAHAL	8.15	33/11 kV	1.9	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	1*3.15+1*5	Plinth	Y	N	To be implemented
262	SAMBALPUR	JED	Jharsuguda	KIRMIRA	10	33/11 kV	2.4	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 3	Y	2*5	Plinth	Y	N	Existing
263	SAMBALPUR	JED	Jharsuguda	KOLABIRA	8.15	33/11 kV	3.3	33 Kv Line Bay 1 T/F bay 2 11 kV line bay 4	Y	1*3.15+1*5	Plinth	N	N	To be implemented
264	SAMBALPUR	JED	Jharsuguda	KUCHINDA	16.3	33/11 kV	1.9	33 Kv Line Bay 1 T/F bay 4	Y	2*3.15+2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/based on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay 5						
265	SAMBALPUR	JED	Jharsuguda	KUSUMI	10	33/11 kV	1.3	33 Kv Line Bay 1 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	Y	N	To be implemented
266	SAMBALPUR	JED	Jharsuguda	LAHANDABUD	6.6	33/11 kV	2	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	Y	1*1.6+1*5	Plinth	N	N	To be implemented
267	SAMBALPUR	JED	Jharsuguda	LAIKERA	13	33/11 kV	2.6	33 Kv Line bay-3 T/F bay -2 11 kV line bay-4	Y	1*5+1*8	Plinth	Y	N	To be implemented
268	SAMBALPUR	JED	Jharsuguda	LASHA	10	33/11 kV	1.1	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	Y	N	Existing
269	SAMBALPUR	JED	Jharsuguda	PURNA	10	33/11 kV	6.4	33 Kv Line bay-2 T/F bay -2 11 kV line bay-4	Y	2*5	Plinth	N	N	To be implemented
270	SAMBALPUR	JED	Jharsuguda	SARASMAL	24	33/11 kV	16.3	33 Kv Line bay-1 T/F bay -3 11 kV line bay-6	Y	3*8	Plinth	N	N	To be implemented
271	SAMBALPUR	JED	Jharsuguda	SARBAHAL	10	33/11 kV	5.8	33 Kv Line bay-1 T/F bay -2	N	2*5	Plinth	N	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay-3						
272	SAMBALPUR	JED	Jharsuguda	SODAMAL	10	33/11 kV	0.4	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	Y	N	Existing
273	SAMBALPUR	SED	Sambalpur	Ainthapali	56.5	33/11 kV	27.5	33 Kv Line bay-1 T/F bay -6 11 kV line bay-11	N	1*7.5+3*8+ 2*12.5	Plinth	Y	N	To be implemented
274	SAMBALPUR	SED	Sambalpur	Badabazar	16	33/11 kV	6.4	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	N	2*8	Plinth	Y	N	Existing
275	SAMBALPUR	SED	Sambalpur	Chaurpur	10	33/11 kV	3.9	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	Y	N	To be implemented
276	SAMBALPUR	SED	Sambalpur	Cheruapada	16	33/11 kV	7.5	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	N	2*8	Plinth	Y	N	To be implemented
277	SAMBALPUR	SED	Sambalpur	Chiplima	10	33/11 kV	1.9	33 Kv Line bay-1 T/F bay -2 11 kV line bay-2	N	2*5	Plinth	Y	N	To be implemented
278	SAMBALPUR	SED	Sambalpur	Gosala	10	33/11 kV	6.2	33 Kv Line bay-1 T/F bay -2	N	2*5	Plinth	N	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay-6						
279	SAMBALPUR	SED	Sambalpur	Hirakud	16	33/11 kV	9.8	33 Kv Line bay-2 T/F bay -2 11 kV line bay-6	N	2*8	Plinth	N	N	To be implemented
280	SAMBALPUR	SED	Sambalpur	Jyotibihar	16	33/11 kV	2.5	33 Kv Line bay-2 T/F bay -2 11 kV line bay-4	N	2*8	Plinth	Y	N	Existing
281	SAMBALPUR	SED	Sambalpur	Kainsir	10	33/11 kV	1.3	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	Y	2*5	Plinth	Y	N	To be implemented
282	SAMBALPUR	SED	Sambalpur	Medical	13	33/11 kV	8.6	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	N	1*5+1*8	Plinth	N	N	To be implemented
283	SAMBALPUR	SED	Sambalpur	MSTC Burla	16	33/11 kV	8.8	33 Kv Line bay-3 T/F bay -2 11 kV line bay-5	N	2*8	Plinth	N	N	To be implemented
284	SAMBALPUR	SEED	Sambalpur	DHAMA	10	33/11 kV	4.6	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	N	2*5	Plinth	Y	N	To be implemented
285	SAMBALPUR	SEED	Sambalpur	GUNDERPUR	10	33/11 kV	2.5	33 Kv Line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay-3						
286	SAMBALPUR	SEED	Sambalpur	Hatibari	8.15	33/11 kV	1.6	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	N	1*3.15+1*5	Plinth	Y	N	To be implemented
287	SAMBALPUR	SEED	Sambalpur	Hero	6.3	33/11 kV	1.7	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	N	2*3.15	Plinth	Y	N	Existing
288	SAMBALPUR	SEED	Sambalpur	Jujomura	6.3	33/11 kV	2	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	N	2*3.15	Plinth	Y	N	Existing
289	SAMBALPUR	SEED	Sambalpur	KATARBAGA	10	33/11 kV	2.6	33 Kv Line bay-1 T/F bay -2 11 kV line bay-2	N	2*5	Plinth	Y	N	Existing
290	SAMBALPUR	SEED	Sambalpur	KISINDA	10	33/11 kV	0.7	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	N	2*5	Plinth	Y	N	To be implemented
291	SAMBALPUR	SEED	Sambalpur	LAIDA	6.6	33/11 kV	1.8	33 Kv Line bay-1 T/F bay -2 11 kV line bay-4	Y	1*1.6+1*5	Plinth	N	N	To be implemented
292	SAMBALPUR	SEED	Sambalpur	LAPANGA	10	33/11 kV	2.2	33 Kv Line bay-1 T/F bay -2	N	2*5	Plinth	Y	N	Existing

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay-3						
293	SAMBALPUR	SEED	Sambalpur	Naktiduel	8.15	33/11 kV	2.6	33 Kv Line bay-1 T/F bay -2 11 kV line bay-6	N	1*3.15+1*5	Plinth	Y	N	To be implemented
294	SAMBALPUR	SEED	Sambalpur	PADIABAHAL	16	33/11 kV	4.8	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	N	2*8	Plinth	Y	N	Existing
295	SAMBALPUR	SEED	Sambalpur	PARMANPUR	10	33/11 kV	3.2	33 Kv Line bay-1 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	Y	N	Existing
296	SAMBALPUR	SEED	Sambalpur	PUTIBANDH	56	33/11 kV	26.4	33 Kv Line bay-1 T/F bay -6 11 kV line bay-7	N	7*8	Plinth	Y	N	To be implemented
297	SAMBALPUR	SEED	Sambalpur	Rairakhol	16.3	33/11 kV	5.4	33 Kv Line bay-1 T/F bay -4 11 kV line bay-6	N	2*3.15+2*5	Plinth	Y	N	To be implemented
298	SAMBALPUR	SEED	Sambalpur	RENGALI	16.6	33/11 kV	3.7	33 Kv Line bay-2 T/F bay -4 11 kV line bay-6	Y	1*1.6+3*5	Plinth	Y	N	To be implemented
299	SAMBALPUR	SEED	Sambalpur	RENGALI NEW	10	33/11 kV	1.4	33 Kv Line bay-2 T/F bay -2	Y	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/based on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11 kV line bay-3						
300	SAMBALPUR	SEED	Sambalpur	SASON	10	33/11 kV	6.5	33 Kv Line bay-2 T/F bay -2 11 kV line bay-3	Y	2*5	Plinth	N	N	To be implemented
301	ROURKELA	RSED, RKL	Sundargarh	Barsuan	10	33/11 kV	0	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
302	ROURKELA	Sundargarh	Sundargarh	Bondega	10	33/11 kV	0.63	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
303	ROURKELA	RSED, RKL	Sundargarh	Kalinga Vihar	16	33/11 kV	6.5	33kV Line bay-1 11kV Line bay-4	N	2*8	Plinth	N	N	To be implemented
304	SAMBALPUR	SEED	Sambalpur	Batagaon	10	33/11 kV	0.36	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
305	SAMBALPUR	BNED	Jharsuguda	Gandhichowk	10	33/11 kV	1.1	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
306	SAMBALPUR	SEED	Sambalpur	Kadaligarh	10	33/11 kV	1.5	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
307	SAMBALPUR	SEED	Sambalpur	Maneswar	10	33/11 kV	2.9	33kV Line bay-1 11kV Line bay-4	Y	2*5	Plinth	Y	N	To be implemented
308	SAMBALPUR	DED	Jharsuguda	Parposi	10	33/11 kV	0.75	33kV Line bay-1	N	2*5	Plinth	Y	N	To be implemented

Sl. No	Name of Circle	Name of Division	Name of District	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Present load (MVA)	No. Of Bays [line bays & transformer bays (33 kV &11 kV), etc.	N-1 contingency for 33 kV incommer available or not (Y/N)	Transformation capacity (MVA) with voltage ratio (e.g., 33/11 kV, 2x5 MVA + 11/0.4 kV, 2x100 KVA)	Transformer pole mounted/plinth mounted (for 11/0.4 kV transformer)	N-1 contingency for Power Transformer (33/11kV) available or not (Y/N)	Augmentation of Transformation capacity required or not (Y/N) (Based on load flow study/base d on operation feed back)	Status of implementation of SCADA/ Automatic in substation (Existing/to be implemented)
								11kV Line bay-4						
309	SAMBALPUR	JED	Jharsuguda	Rangeitikra	10	33/11 kV	1.7	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented
310	SAMBALPUR	SED	Sambalpur	Remed	10	33/11 kV	0	33kV Line bay-1 11kV Line bay-4	N	2*5	Plinth	Y	N	To be implemented

Annexure -3 Proposed new substation (based on load flow study of Distribution network)

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
1	Bargarh	BAGBADI	10	33/11 kV	5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
2	Bargarh	Barihapali	10	33/11 kV	4.3	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
3	Bargarh	Hirapali	10	33/11 kV	4.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
4	Bargarh	LARAMBHA	10	33/11 kV	5.5	33 kV: Line bays-1 T/F bays-2 11 kV:	2X5 MVA	Y	Y	Y	Y	Y		Y			

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
						Line bays-4 T/F bays-2											
5	Bargarh	Nuapali	10	33/11 kV	4.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
6	Bargarh	Panchayat college	10	33/11 kV	6	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
7	Bargarh	PUNJIPATHAR	10	33/11 kV	6	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	N	Y	Y	Y	Y			Y		
8	Bargarh	Tenteltikira	10	33/11 kV	3.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
9	BOLANGIR	Arjunpur	10	33/11 kV	4.2	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
10	BOLANGIR	BELEISARDA	10	33/11 kV	4.4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
11	BOLANGIR	CHANDANBHATI	10	33/11 kV	4.6	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
12	BOLANGIR	Janmura	10	33/11 kV	5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
13			10	33/11 kV	4.5	33 kV:	2X5 MVA	Y	Y	Y	Y	Y			Y		

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
	BOLANGIR	Kutasingha				Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2											
14	KALAHANDI	Badchergaon	10	33/11 kV	1.25	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
15	KALAHANDI	Balipada	10	33/11 kV	2.25	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
16	KALAHANDI	BANIJHARA	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
17	KALAHANDI	Duajhar	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
						11 kV: Line bays-4 T/F bays-2											
18	KALAHANDI	Gandamer	10	33/11 kV	1.4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
19	KALAHANDI	Gunupur	10	33/11 kV	2	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
20	KALAHANDI	Junagarh	10	33/11 kV	2	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
21	KALAHANDI	KARCHALA	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV:	2X5 MVA	Y	Y	Y	Y	Y			Y		

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
						Line bays-4 T/F bays-2											
22	KALAHANDI	Kendumunda	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
23	KALAHANDI	Rengalpali	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
24	KALAHANDI	Risigaon	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
25	KALAHANDI	Tarboard	10	33/11 kV	2.75	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
26	ROURKELA	BARGAHT	10	33/11 kV	1.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
27	ROURKELA	Baurimunda	10	33/11 kV	3	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
28	ROURKELA	Dandiapali	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
29	ROURKELA	GOBIRA	10	33/11 kV	3	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
30			10	33/11 kV	3.5	33 kV:	2X5 MVA	Y	Y	Y	Y	Y			Y		

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
	ROURKELA	Gundiadihi				Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2											
31	ROURKELA	Jouramunda	10	33/11 kV	3.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
32	ROURKELA	Kalta	10	33/11 kV	2.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
33	ROURKELA	Lalei	10	33/11 kV	3	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
34	ROURKELA	Nakhakhandi	10	33/11 kV	3.5	33 kV: Line bays-1 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
						11 kV: Line bays-4 T/F bays-2											
35	ROURKELA	Uditnagar	10	33/11 kV	6	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
36	SAMBALPUR	Charmal	10	33/11 kV	4.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
37	SAMBALPUR	Junadihi	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
38	SAMBALPUR	Kalibari (Jail Chowk)	10	33/11 kV	7	33 kV: Line bays-1 T/F bays-2 11 kV:	2X5 MVA	Y	Y	Y	Y	Y		Y			

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
						Line bays-4 T/F bays-2											
39	SAMBALPUR	KANAKTURA	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
40	SAMBALPUR	KHARIPALI	10	33/11 kV	3	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		
41	SAMBALPUR	MUNDRAJORE	10	33/11 kV	3.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y		Y			
42	SAMBALPUR	POKHARASALE	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
43	Bargarh	Pradhanpali	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
44	Sambalpur	Meghpal	10	33/11 kV	4	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
45	Bargarh	Bhatli road	10	33/11 kV	5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
46	Bolangir	Dhumamara	10	33/11 kV	4.5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y					Y
47			10	33/11 kV	2.75	33 kV:	2X5 MVA	Y	Y	Y	Y	Y					Y

Sl.No.	Name of Circle/ District, Division & Sub-station	Name of Sub-station	PTR Capacity	33/11 kV or 11/0.4 kV or 33/0.4 kV	Expected load (MVA)	No. Of Bays [line bays & transformer bays	Transformation capacity (MVA) with voltage ration	N-1 contingency provided or not for incomer and Power Transformer (Y/N)	Protection provided for lines, transformer (on HV & LV side) in line with CEA Reg.	Adequate switchgear Rating	Required Battery Capacity (AH) and associated charger provided with standby battery (Y/N)	Required lightning protection for Transformer (PT/DT), firefighting system, earthing system, AC/DC system, lighting system provided or not (Y/N)	Target for completion				
													2022-23	2023-24	2024-25	2025-26	2026-27
	Kalahandi	Lanjigarh Road				Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2											
48	Rourkela	Kalunga				33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y				Y	
49	Sambalpur	VSSUT Burla				33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y					Y
50	SAMBALPUR	SAMBALPUR Road	10	33/11kV	5	33 kV: Line bays-1 T/F bays-2 11 kV: Line bays-4 T/F bays-2	2X5 MVA	Y	Y	Y	Y	Y			Y		

N.B.: TPWODL while doing load flow study identified the requirement of new PSS for load management, new load addition, low voltage mitigation. Out of 50 Nos. PSS identified, 37 Nos. PSS are under execution in ODSSP, 5 Nos. PSS are already approved by Hon'ble OERC in previous CAPEX (balance Rs. 40 Cr. requirement is included in CAPEX FY 24-25), 2 Nos. new PSS requirement (Sambalpur City & Bhatli) in FY 24-25 and balance 6 Nos. PSS required from FY 26-27 onwards with TPWODL shall submit to Hon'ble OERC while submitting CAPEX requirement of FY 26-27 or later.

Accordingly, Rs. 70 Cr. requirement (Rs. 40 Cr. for balance requirement of already approved 5 Nos. PSS & Rs. 30 Cr. for 2 Nos. PSS new requirement) is considered in FY 24-25.

Annexure -4 Basic information of existing overhead lines (11 kV & 33 kV)

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
BARGARH	ATTABIRA	11KV-ATTABIRA TOWN	11	12	34 to 100	162		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ATTABIRA	11KV-KANDPALI	11	87	34 to 100	152		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ATTABIRA	11KV-SARANDA	11	45	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ATTABIRA	11LV-RANGALI CAMP	11	69	34 to 100	223	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GODBHAGA	11KV-GODBHAGA	11	74	34 to 100	167		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GODBHAGA	11KV-LARAMBHA	11	160	34 to 100	211		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PATRAPALI	11KV-DUNGURIPALI	11	13	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PATRAPALI	11KV-JANHAPADA/RENGALI	11	20	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PATRAPALI	11KV-KHIRAPALI	11	54	34 to 100	56		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PATRAPALI	11KV-PATRAPALI	11	8	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TANGERPALI	11KV DEBRIGARH FEEDER	11	74	34 to 100	79		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TANGERPALI	11KV TANGERPALI FEEDER	11	41	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TANGERPALI	11KV-LACHIDA FEEDER	11	34	34 to 100	130		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-2	11KV- BANDHUTIKRA FEEDER	11	4	34 to 100	183		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-2	11KV- PRIVATE BUS STAND	11	12	34 to 100	204	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-2	11KV-GOVINDPALI	11	6	34 to 100	177		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-2	11KV-TOWN-2	11	7	34 to 100	316	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-1	11KV-ASHAKIRAN FEEDER	11	7	34 to 100	156		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DIVISION-1	11KV-BARGARH TOWN-1	11	12	34 to 100	340	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TORA	11KV - REMUNDA	11	56	34 to 100	136		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TORA	11KV -GAISIMA	11	56	34 to 100	118		80-120	MS Joist/PCC Poles	To be taken up

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
BARGARH	TORA	11KV- SUGARMILL	11	12	34 to 100	116		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TORA	11KV- TORA	11	7	34 to 100	69		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV - AMBAPALI	11	33	34 to 100	152		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV - NEW INDUSTRIAL	11	5	34 to 100	139		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV- BARPALI	11	58	34 to 100	185		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV- DEOGAON	11	63	34 to 100	126		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV- OLD INDUSTRIAL	11	35	34 to 100	251	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	TURUNGA	11KV- SOHELA	11	29	34 to 100	121		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KAMGAON	11KV-LANDIJURI FEEDER	11	31	34 to 100	57		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KAMGAON	11KV_KAMGAON FEEDER	11	41	34 to 100	125		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KAMGAON	BONDA FEEDER	11	32	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHEDAPALI	11KV-KAMAGAON OLD FEEDER	11	7	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHEDAPALI	11KV_BARDOL FEEDER	11	43	34 to 100	160		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHEDAPALI	11KV_KATAPALI FEEDER	11	9	34 to 100	120		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PRADHANPALI	11KV_ATTABIRA	11	37	34 to 100	141	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PRADHANPALI	11KV_INDUSTRIAL_I	11	33	34 to 100	246		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PRADHANPALI	11KV_INDUSTRIAL_II	11	11	34 to 100	161		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PRADHANPALI	11KV_OLD KATAPALI	11	14	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	AMBABHONA	11KV- AMBABHONA FEEDER	11	46	34 to 100	79		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	AMBABHONA	11KV- BANJIPALI FEEDER	11	26	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	AMBABHONA	11KV- SAMBALPURI FEEDER	11	33	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV- BARTUNDA FEEDER	11	40	34 to 100	112		80-120	MS Joist/PCC Poles	To be taken up

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
BARGARH	BHATLI	11KV- KENDUGUDIA FEEDER	11	69	34 to 100	237	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV- SAGY FEEDER	11	31	34 to 100	67		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV- SUKUDA FEEDER	11	47	34 to 100	154		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV-BADMAL FEEDER(BHATLI)	11	9	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV-BHATLI TOWN FEEDER	11	18	34 to 100	132		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHATLI	11KV-TEMREN FEEDER	11	17	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHUKTA	11KV- DARLIPALI FEEDER	11	6	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHUKTA	11KV- KAPASIRA FEEDER	11	51	34 to 100	72		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHUKTA	11KV-BHUKTA FEEDER	11	8	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHUKTA	11KV-RUCHIDA FEEDER	11	60	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHUKTA	AGRICULTURE FEEDER(BHUKTA)	11	8	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGRI	11KV- BADMAL FEEDER (DUNGURI PSS)	11	18	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGRI	11KV-LAKHANPUR FEEDER	11	124	34 to 100	264	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGRI	11KV-DUNGRI FEEDER	11	4	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KANDAPALA	11KV-KALMI FEEDER	11	30	34 to 100	83		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KANDAPALA	11KV-KANDPALA FEEDER	11	6	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KANDAPALA	11KV-KUMBHO FEEDER	11	38	34 to 100	106		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	RAISOBHA	11KV- GOPALPUR FEEDER	11	43	34 to 100	151		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	RAISOBHA	11KV- JIRATORA FEEDER	11	65	34 to 100	222		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	RAISOBHA	11KV- TEJAGOLA FEEDER	11	33	34 to 100	112		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	UDAYAPALI	11KV- HATISAR FEEDER	11	97	34 to 100	235	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up

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BARGARH	UDAYAPALI	11KV-NILJEE FEEDER	11	59	34 to 100	200		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHEDEN	11KV-BARPADAR	11	72	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHEDEN	11KV-BHEDEN	11	30	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHEDEN	11KV-SAHARA TIKRA	11	41	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BHEDEN	AGRICULTURE FEEDER(BHEDEN)	11	26	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DHATKUPALI	11KV-JAMTIKRA	11	4	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DHATKUPALI	11KV-KAMGAON	11	2	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DHATKUPALI	11KV-PAPANGA 2	11	26	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DHATKUPALI	11KV-TILKINDA(RUSUDA)	11	22	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHUNTULIPALI	11KV-GARVANA	11	37	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHUNTULIPALI	11KV-INDUSTRIAL	11	10	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHUNTULIPALI	11KV-KHUNTULIPALI	11	28	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KHUNTULIPALI	11KV-SANKARDA	11	45	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MAHULPALI(GANDTURUM)	11KV-MAHULPALI	11	33	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MAHULPALI(GANDTURUM)	11KV-SIALKHANDATA	11	48	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MAHULPALI(GANDTURUM)	11KV-TURUM	11	14	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	THUAPALI	11KV-KHUTULIPALI	11	11	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	THUAPALI	11KV-PAPANGA NEW	11	62	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	THUAPALI	11KV-PAPANGA OLD	11	59	34 to 100	155		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	THUAPALI	11KV-REMMUNDA	11	26	34 to 100	136		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	THUAPALI	11KV-THUAPALI	11	5	34 to 100	107		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- AGALPUR_B	11	9	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- BADGAON	11	54	34 to 100	220	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- BANDHAPALI	11	36	34 to 100	198	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- LENDA	11	14	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up

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BARGARH	BARPALI	11KV- PHULAPALI	11	67	34 to 100	125		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- RAMPUR	11	94	34 to 100	159		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BARPALI	11KV- TOWN FEEDER	11	29	34 to 100	337	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BALITIKRA	11KV -REASAMA	11	90	34 to 100	145		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BALITIKRA	11KV-TULUNDI	11	112	34 to 100	198	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BALITIKRA	INDUSTRIAL FEEDER(BALITIKRA)	11	1	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	CHARMUNDA	11KV- AGALPUR	11	20	34 to 100	85		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	CHARMUNDA	11KV- SUJIA	11	47	34 to 100	131		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	CHARMUNDA	11KV- TINKANI	11	23	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DAHITA	11KV-DANGACHHANCHA FEEDER	11	63	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DAHITA	11KV-JAMARTALA FEEDER	11	33	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DAHITA	11KV-SLETPALI FEEDER	11	54	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GAISILET	11KV-BUROMUNDA FEEDER	11	19	34 to 100	67		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GAISILET	11KV-FRINGIMAL FEEDER	11	86	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GAISILET	11KV-GAISILAT FEEDER	11	53	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GAISILET	11KV-LEBEDI FEEDER	11	71	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GAISILET	11KV-TALPALI FEEDER	11	46	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KUNDAKHAI	11KV-JAMUDPALI FEEDER	11	44	34 to 100	126		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	KUNDAKHAI	11KV-KUNDAKHAI FEEDER	11	48	34 to 100	143		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	LAKHMARA	11KV-BADIKATA FEEDER	11	117	34 to 100	176		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	LAKHMARA	11KV-SAMBALPURI FEEDER	11	77	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
BARGARH	MELCHAMUNDA	11KV-BELMUNDA FEEDER	11	22	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MELCHAMUNDA	11KV-GHENSS FEEDER	11	59	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MELCHAMUNDA	11KV-MELCHANMUNDA FEEDER	11	72	34 to 100	123		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MELCHAMUNDA	11KV-SARGIBAHAL FEEDER	11	87	34 to 100	103		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-BARIKEL FEEDER	11	142	34 to 100	103		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-BUDEN FEEDER	11	4	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-GAISILET FEEDER	11	85	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-LAKHMARA FEEDER	11	56	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-MELCHAMUNDA FEEDER	11	101	34 to 100	186	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-TOWN1 FEEDER	11	46	34 to 100	242		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PADAMPUR	11KV-TOWN2 FEEDER	11	12	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DOVA	11KV- PALSADA FEEDER	11	41	34 to 100	163	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DOVA	11KV-DOVA	11	41	34 to 100	196	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DOVA	11KV-KRULIPALI	11	147	34 to 100	256		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGURIPALI	11KV- BHAISADHARA	11	31	34 to 100	146	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGURIPALI	11KV-DUNGURIPALI	11	17	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DUNGURIPALI	11KV-JAGDALPUR	11	30	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHARBANDH	11KV-JHARBANDH	11	2	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHARBANDH	11KV-OLD DUNGURIPALI(CHANDIVHATA)	11	29	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHARBANDH	11KV-SARGUL	11	43	34 to 100	132		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHARBANDH	11KV-TAPEN	11	105	34 to 100	116		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHITIKI	11KV-BARPALI	11	34	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up

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BARGARH	JHITIKI	11KV-BHUBANESWARPUR	11	30	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	JHITIKI	11KV-CHHETAGAON	11	40	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MANDOSIL	11KV- CHHINEIKELA	11	89	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MANDOSIL	11KV-BARTUNDA	11	48	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	MANDOSIL	11KV-MANDOSIL	11	47	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV- PAIKAMAL TOWN	11	14	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV-CHUHAPALI	11	25	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV-JHARMUNDA	11	72	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV-JHITIKI	11	44	34 to 100	112		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV-MANDOSIL_PAIKAMAL	11	42	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	PAIKAMAL	11KV-NURSINGHANATH	11	14	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ARDA	11KV-JOKIAPALI FEEDER	11	76	34 to 100	177	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ARDA	11KV-LAUMUNDA FEEDER	11	71	34 to 100	273	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	ARDA	11KV-SAIPALI FEEDER	11	137	34 to 100	173		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BIJEPUR	11KV-BARAMUNDA FEEDER	11	182	34 to 100	317	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BIJEPUR	11KV-BIJEPUR TOWN FEEDER	11	16	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BIJEPUR	11KV-JARING FEEDER	11	69	34 to 100	203		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BIJEPUR	11KV-KHARMUNDA FEEDER	11	52	34 to 100	225		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	BIJEPUR	11KV-M. GANDPALI FEEDER(SARANDAPALI)	11	68	34 to 100	138		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DASMILE	11KV-BISIPALI FEEDER	11	90	34 to 100	257		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DASMILE	11KV-DASMILE FEEDER	11	15	34 to 100	102		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	DASMILE	11KV-KENDPALI FEEDER	11	54	34 to 100	198		80-120	MS Joist/PCC Poles	To be taken up

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BARGARH	DASMILE	11KV-SRIGIDA FEEDER	11	56	34 to 100	184		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GHENSS	11KV-GHENSS FEEDER	11	10	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GHENSS	11KV-JAMPALI FEEDER	11	49	34 to 100	255	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GHENSS	11KV-JHAR FEEDER	11	79	34 to 100	285	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	GHENSS	11KV-KUCHIPALI FEEDER	11	74	34 to 100	212	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SARANDAPALI	11KV-BANBASPALI FEEDER	11	94	34 to 100	253	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SARANDAPALI	11KV-KATAPALI FEEDER	11	13	34 to 100	111		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SARANDAPALI	11KV-S. DUMERPALI FEEDER	11	109	34 to 100	274	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SARANDAPALI	11KV-SARANDAPALI FFEDER	11	60	34 to 100	177	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-CHHURIAPALI FEEDER	11	79	34 to 100	296	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-GRINJEL FEEDER	11	68	34 to 100	279	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-INDUSTRIAL FEEDER	11	26	34 to 100	130		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-KANGAON FEEDER	11	34	34 to 100	115		80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-LUHURACHATI FEEDER	11	141	34 to 100	275	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-PADAMPUR FEEDER	11	114	34 to 100	419	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BARGARH	SOHELA	11KV-SOHELA TOWN FEEDER	11	29	34 to 100	187		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BORDA	11KV-ARTAL	11	42	34 to 100	25	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BORDA	11KV-MAHALING	11	64	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BORDA	11KV-SEINPUR	11	57	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BORDA	11KV-TOWN(BORDA)	11	12	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-BORINGPADAR	11	112	34 to 100	128	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	KESINGA	11KV-DURGALAXMI (RICE MILL)	11	2	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-KASURPADA	11	139	34 to 100	54	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-NEW JAGNATHAPADA	11	8	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-OLD JAGANATHPADA	11	15	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-PHD	11	0	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KESINGA	11KV-TOWN	11	12	34 to 100	153	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUNMATH	11KV-BELKHANDI	11	37	34 to 100	39	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUNMATH	11KV-PALAM	11	15	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUNMATH	11KV-TUNDLA	11	21	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	UTKELA	11KV_KUNDABANDHA	11	70	34 to 100	37	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	UTKELA	11KV_PASTIKUDA	11	169	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	UTKELA	11KV_UTKELA	11	3	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAPADA	11KV_ CHHELIAMAL FEEDER	11	20	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAPADA	11KV_ MADING FEEDER	11	16	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAPADA	11KV_CHAHAGON	11	30	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAPADA	11KV_KARLAPADA	11	7	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ATTANGUDA	11KV-JUGSAIPATNA	11	32	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ATTANGUDA	11KV-KERUKUNDA	11	17	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ATTANGUDA	11KV-SAGADA	11	42	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ATTANGUDA	11KV-SAIDHAM	11	6	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHOPALA (KANDABANDHAPALA	11KV-BANDHOPALA (KANDABANDHAPALA	11	199	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHOPALA (KANDABANDHAPALA	TOWN (BANDHOPALA)	11	4	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	BHANGABARI	11KV-KAMATHANA	11	55	34 to 100	44	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BHANGABARI	11KV-OMFED	11	0	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV-DOORDARSHAN	11	2	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV-MEDICAL-	11	8	34 to 100	192		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV-N. SAGADA	11	32	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV-TOWN 1	11	5	34 to 100	114		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV_ TOWN 2	11	14	34 to 100	138		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	11KV_TOWN 3	11	2	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NAKTIGUDA	HILL TOWN	11	15	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHAPARI	11KV-BANDHAPARI	11	3	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHAPARI	11KV-BIJEPUR	11	140	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHAPARI	11KV-HATISAL	11	86	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BANDHAPARI	11KV-MUSANAL	11	27	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISWANATHPUR	11KV-BISWANATHPUR	11	3	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISWANATHPUR	11KV-DUMENMUNDA	11	4	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISWANATHPUR	11KV-OLD LANJIGARH	11	67	34 to 100	37	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISWANATHPUR	11KV-POKHARIBANDH	11	19	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JURADUBRA	11KV-KUSURLA	11	56	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JURADUBRA	11KV-REGEDA	11	60	34 to 100	48	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAMUNDA	11KV-KARLAMUNDA	11	27	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAMUNDA	11KV-PUTIGAON	11	44	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KARLAMUNDA	11KV-RISIDA	11	91	34 to 100	100	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LANJIGARH	11KV-LANJIGARH	11	62	34 to 100	98		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	M.RAMPUR	11KV-URLADANI	11	219	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	M.RAMPUR	11KV_AMBAGAON	11	102	34 to 100	38		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	M.RAMPUR	11KV_BARABANDHA	11	95	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	M.RAMPUR	11KV_BLOCK	11	14	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	M.RAMPUR	11KV_TOWN	11	6	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MADANPUR	11KV-BORIGHAT	11	55	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MADANPUR	11KV-DANGABAHAL	11	32	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MADANPUR	11KV-OLD REGEDA	11	31	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MOHANGIRI BANJAMUNDA	11KV-D. KARLAKHUNTA	11	21	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MOHANGIRI BANJAMUNDA	11KV-MOHANGIRI	11	65	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NARLA	11KV_BALIPADA	11	169	34 to 100	59	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NARLA	11KV_CHHATIKUDA	11	135	34 to 100	76	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NARLA	11KV_KAMARDHA	11	159	34 to 100	31	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NARLA	11KV_NVODAYA	11	10	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RUPRA ROAD	11KV-BALBASPUR	11	51	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RUPRA ROAD	11KV-MANDEL	11	23	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RUPRA ROAD	11KV-RUPRA	11	57	34 to 100	56	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RUPRA ROAD	11KV-RUPRA ROAD-	11	8	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BHANGABARI	11KV OUAT FEEDER	11	6	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BHANGABARI	11KV-PARAMANADAPUR	11	6	34 to 100	3		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KUSADANGAR	11KV-BHATANGPADAR	11	36	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KUSADANGAR	11KV-COLLEGE	11	15	34 to 100	205		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KUSADANGAR	11KV-JALESWAR	11	12	34 to 100	156		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KUSADANGAR	11KV-MEDINIPUR	11	101	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RASINGPUR	11KV-DUNGURIPADAR	11	1	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RASINGPUR	11KV_ LINK_3	11	14	34 to 100	67		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	RASINGPUR	11KV_RAISINGPUR FEEDER	11	20	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BADAKUTRU	11KV-BANER	11	97	34 to 100	74		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BADAKUTRU	11KV-DHANPUR	11	125	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	BADAKUTRU	11KV-PANIGAON	11	40	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHARBAHAL	11KV_CHARBAHAL	11	10	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHARBAHAL	11KV_DEUNDI	11	75	34 to 100	71		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHARBAHAL	11KV_MOTER	11	26	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHARBAHAL	11KV_RANAMAL	11	60	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GODRAMAL	11KV_CHIKILI	11	260	34 to 100	98		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GODRAMAL	11KV_CHILIGUDA	11	62	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GODRAMAL	11KV_KOKSARA	11	54	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GODRAMAL	11KV_OLMA	11	9	34 to 100	45	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JAIPATNA	11KA-JAIPATNA	11	31	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JAIPATNA	11KV-BANJIBAHAL	11	83	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JAIPATNA	11KV-KHALIBATA	11	29	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JAIPATNA	11KV-NEW BANER	11	7	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LADUGAON	11KV_AMPANI	11	99	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LADUGAON	11KV_INDUSTRIAL	11	23	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LADUGAON	11KV_LODUGAON	11	16	34 to 100	58		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MAHICHALA	11KV-KALOPADA	11	59	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MAHICHALA	11KV-MAHICHALA	11	34	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MAHICHALA	11KV-NANDIGAON	11	21	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MUKHIGUDA	11KV_MAHULPATNA	11	77	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MUKHIGUDA	11KV_MANGLAPUR	11	92	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MUKHIGUDA	11KV_MUKHIGUDA	11	3	34 to 100	44	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	MUKHIGUDA	SOLAR FEEDER	11	1	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TEMRA	11KV-KENDUGUDA	11	69	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TEMRA	11KV-KULERGUDA	11	40	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TEMRA	11KV-TEMRA	11	21	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BHERA	11KV - CHHANCHANBAHALI	11	68	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	BHERA	11KV-BEHERA(DHARAMGARH)	11	40	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BHERA	11KV-PARLA	11	54	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DASPUR	11KV-BRUNDHAMAL	11	50	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DASPUR	11KV-DASPUR	11	29	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DASPUR	11KV-KUMARI	11	36	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DHARMAGARH	11KV-BEHERA	11	79	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DHARMAGARH	11KV-CHHENDIA	11	86	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DHARMAGARH	11KV-CHILPA	11	111	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DHARMAGARH	11KV-DHARAMGARH	11	36	34 to 100	186	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GOLAMUNDA	11KV-CHAPERIA	11	47	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GOLAMUNDA	11KV-GOLAMUNDA	11	17	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GOLAMUNDA	11KV-KHALIAKANI	11	116	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	GOLAMUNDA	11KV-TAMRA	11	25	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KASIBAHAL	11KV_BASUL	11	19	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KASIBAHAL	11KV_BODEN	11	22	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KASIBAHAL	11KV_INDRAVATI	11	8	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KASIBAHAL	11KV_KASIBHAL	11	9	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KEGAON	11KV_BADCHERGAON	11	116	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KEGAON	11KV_BARACK	11	0	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KEGAON	11KV_KEGAON	11	23	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KEGAON	11KV_LANJI	11	15	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	DASPUR	11KV- FARAUNG	11	50	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ADRI	11KV_ADRI	11	3	34 to 100	10	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ADRI	11KV_DALGUDA	11	9	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	ADRI	11KV_GOPINATHPUR	11	21	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	ADRI	11KV_MALIGAON	11	41	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHICHIGUDA	11KV-BALDHIAMAL	11	30	34 to 100	58		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHICHIGUDA	11KV-CHICHEIGUDA	11	55	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHICHIGUDA	11KV-S. KUNDAMAL	11	35	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JUNAGARH	11KV-DASIGAON	11	196	34 to 100	141		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JUNAGARH	11KV-KASTURA	11	23	34 to 100	93		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JUNAGARH	11KV-KURUGUDA	11	125	34 to 100	89		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JUNAGARH	11KV-TOWN	11	18	34 to 100	77	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	JUNAGARH	11KV-TULASIPALI	11	165	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	K. SINGHPUR(TPSODL)	11KV-HATIMUNDA	11	17	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KALAMPUR	11KV-BANDHAKANA	11	73	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KALAMPUR	11KV-BANKAPALA	11	45	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KALAMPUR	11KV-KALAMPUR	11	7	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KALAMPUR	11KV-PANDIGAON	11	23	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KASHIPUR(TPSODL)	11KV-SUNGER	11	21	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	T RAMPUR	11KV-BADCHATRANG	11	40	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	T RAMPUR	11KV-DUMERPADAR	11	38	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	T RAMPUR	11KV-GOPALPUR	11	250	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	T RAMPUR	11KV-T RAMPUR	11	17	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TETELKUNTI(TPSODL)	11KV GOUD -DEOPALI	11	9	34 to 100	4		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TETELKUNTI(TPSODL)	11KV-MURAN	11	6	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BADI	11KV-AREDA	11	36	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BADI	11KV-CHHELIAPADA	11	12	34 to 100	148		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BADI	11KV-SIKUAN	11	82	34 to 100	116		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BARGAON	11KV-LAXMIPUR	11	29	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	BARGAON	11KV-NEW BARGAON	11	17	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BARGAON	11KV-RAJAMUNDA	11	57	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BARGAON	11KV-SANMAHESWAR	11	32	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BODEN	11KV-BODEN (KHARIAR)	11	13	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BODEN	11KV-BOIRGAON	11	59	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BODEN	11KV-LARKA	11	101	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BODEN	11KV-NAGAPADA	11	34	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHALNA	11KV-BHARMUNDA	11	40	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHALNA	11KV-CHALNA	11	25	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	CHALNA	11KV-SARADHAPUR	11	27	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-DUAJHAR	11	111	34 to 100	97		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-MISSION	11	15	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-OLD BARGAON	11	93	34 to 100	69		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-PUTUPADA	11	17	34 to 100	116		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-THANA CHHAK	11	4	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR	11KV-TUKULA	11	61	34 to 100	121		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LESUNPALI	11KV LANJI FEEDER	11	37	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LESUNPALI	11KV LARKA FEEDER	11	53	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	LESUNPALI	11KV ROKAL FEEDER	11	22	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SINAPALI	11KV-BARGAON	11	82	34 to 100	99		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SINAPALI	11KV-HATHIBANDHA	11	136	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SINAPALI	11KV-KENDUMUNDA	11	111	34 to 100	82		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SINAPALI	11KV-SINAPALI	11	6	34 to 100	98		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TIMANPUR	11KV-BABEBIR	11	45	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TIMANPUR	11KV-GORLA	11	30	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TIMANPUR	11KV-NILJI	11	22	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	TIMANPUR	11KV-TIMANPUR	11	30	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISORA	11KV-BELTUKURI	11	47	34 to 100	128		80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	BISORA	11KV-BHELASHWAR	11	50	34 to 100	143		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISORA	11KV-BISORA	11	28	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISORA	11KV-KULIABANDHA	11	45	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BISORA	SAMERIA FEEDER	11	30	34 to 100	97		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR ROAD	11KV-BANKA	11	26	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR ROAD	11KV-BIROMAL	11	109	34 to 100	117		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR ROAD	11KV-PATEL NAGAR	11	19	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KHARIAR ROAD	11KV-TOWN	11	19	34 to 100	126	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SAIPALA	11KV-DERLIMUNDA	11	103	34 to 100	92		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SAIPALA	11KV-KHAIRANJI	11	59	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SAIPALA	11KV-SAIPALA	11	11	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BATIBAHAL	11KV-KUTRIBAHAL	11	120	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	BATIBAHAL	11KV-SUNABEDA	11	106	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KOMNA	11KV-BUDHIKOMNA	11	88	34 to 100	96		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KOMNA	11KV-KOMNA TOWN	11	29	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KOMNA	11KV-KONABIRA	11	58	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KOMNA	11KV-MALIMUNDA	11	47	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KOMNA	11KV-UDYANBANDH	11	102	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KURUMPURI	11KV-LAKHNA	11	158	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KURUMPURI	11KV-SIALATI	11	95	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KURUMPURI	11KV-TARBOD	11	68	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	KURUMPURI	LINDA FEEDER	11	70	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUAPADA	11KV-RAILWAY	11	84	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUAPADA	11KV-SHAKHATORA	11	47	34 to 100	94		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUAPADA	11KV-TANWAT	11	54	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	NUAPADA	11KV-TOWN	11	31	34 to 100	226	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up

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KALAHANDI	SARABONG	11KV-BHAINSMUNDI	11	24	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SARABONG	11KV-DHARMABANDH	11	150	34 to 100	73		80-120	MS Joist/PCC Poles	To be taken up
KALAHANDI	SARABONG	11KV-TANWAT/SARABONG	11	54	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Parposi	JHARAGUGUA	11	67	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Parposi	JHARMUNDA FEEDER	11	52	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Parposi	LAIMURA(PARPOSI)	11	66	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Parposi	RAITAL	11	33	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Reamal	11KV -LULANG	11	78	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Reamal	11KV- TINKBIR	11	166	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Reamal	11KV_KADOPADA	11	72	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Reamal	11KV_REAMAL	11	94	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV -MIRGIDIYA	11	34	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV- DONAGAGHOT	11	51	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV- GOHIRA	11	102	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV- KHILEI	11	39	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV-REAMAL(RENGALLBEDA)	11	8	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV- TINKBIR OLD	11	12	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Rengalbeda	11KV_RENGALBEDA	11	0	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Teleibani	11KV -KANSARA	11	253	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Teleibani	11KV- LAIMURA	11	36	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Teleibani	11KV-TAIDISAR	11	43	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Teleibani	11KV_PRABMASUNI	11	35	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Teleibani	TELEIBANI	11	7	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Barkote	11KV-KADOPADA(BARKOTE)	11	115	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Barkote	11KV_BARKOTE	11	13	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Barkote	11KV_DANGASINGA	11	53	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	Bhaktabadakudar	11KV_FEEDER-2 BEHEDAPOSHI	11	150	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Bhaktabadakudar	11KV_FEEDER-I THAIANALA	11	106	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Bhaktabadakudar	11KV_KALLA	11	41	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Bhaktabadakudar	11KV_KHAJURIKHAMAN	11	162	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Budhapal	11KV-KUNDHIGOLA	11	37	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Budhapal	11KV-PALOSOMA FEEDER	11	189	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Budhapal	11KV_BUDHAPAL	11	131	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Deogarh	11KV-RE	11	67	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Deogarh	11KV_TOWN -1	11	16	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Deogarh	11KV_TOWN -2	11	17	34 to 100	96		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Deogarh	11KV_TOWN -3	11	11	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Kandhal	11KV-BASADAHI	11	77	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Kandhal	11KV-KANDHAL	11	25	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Kandhal	11KV_KATAPALI	11	47	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	Kandhal	11KV_SAMARKHAI	11	86	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	FASIMAL	11KV- CHAKULIABAHAL	11	60	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	FASIMAL	11KV- FASIMAL	11	58	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	FASIMAL	11KV- GURJIPALI	11	57	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	FASIMAL	11KV- TIKIBA	11	18	34 to 100	3		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDABAHAL	11KV-ARDABAHAL	11	14	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDABAHAL	11KV-BAURIGUDA	11	16	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDABAHAL	11KV-JAYPEERDHAR	11	15	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAMRA	11KV-ASHIRVAD	11	15	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAMRA	11KV-BAMRA	11	14	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAMRA	11KV-GARPOSH	11	91	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	BAMRA	11KV-GHANSARA	11	39	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAMRA	11KV-RANGIATIKRA	11	58	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAMRA	11KV-SOLAR BAMRA	11	0	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BHOJPUR	11KV- BHOJPUR	11	92	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BHOJPUR	11KV-BADMAL	11	77	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BHOJPUR	11KV-DIMIRIMUNDA	11	79	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BHOJPUR	11KV-SIRID	11	38	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURDA	11KV-JARDA FEEDER	11	21	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURDA	11KV-KUNEDIHIA FEEDER	11	90	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GARPOSH	11KV-GARPOSH_GARPOSH	11	11	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GARPOSH	11KV-KINABAGA	11	93	34 to 100	51		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GARPOSH	11KV-PINDA PATHER	11	21	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GARPOSH	11KV-SAGRA	11	42	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOCHARA	11KV-RAM TILAIMAL	11	9	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOCHARA	11KV-TURAI	11	123	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOCHARA	11KV-ULLANDA	11	22	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JAMANKIRA	11KV-BADRAMA	11	95	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JAMANKIRA	11KV-JAMANKIRA	11	23	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JAMANKIRA	11KV-KUAGOLA	11	119	34 to 100	38		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JAMANKIRA	11KV-SARDA	11	20	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JAMANKIRA	11KV-TULUB	11	123	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KESAIBAHAL	11KV-BHIKAPALI	11	74	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KESAIBAHAL	11KV-JARABAGA	11	424	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KESAIBAHAL	11KV-KESAIBAHAL	11	5	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KESAIBAHAL	11KV-MAHULA PALI	11	123	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KHANDOKATA	11KV-HADIPALI	11	67	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KHANDOKATA	11KV-JUNANI	11	8	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	KHANDOKATA	11KV-KHANDOKATA	11	17	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUCHINDA	11KV-GOSHA	11	7	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUCHINDA	11KV-KUCHINDA TOWN 1	11	12	34 to 100	126		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUCHINDA	11KV-SAIDA	11	11	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUCHINDA	11KV-TOWN-2	11	12	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUCHINDA	11KV_KUSUMI	11	58	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUSUMI	11KV-KUSUMI TOWN	11	124	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUSUMI	11KV-LOIDAGUNA	11	85	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KUSUMI	11KV_BANDABAHAL	11	31	34 to 100	4		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LASA	11KV- LASA	11	14	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LASA	11KV-CHANDANIMAL	11	56	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LASA	11KV-GUNDUCHUAN	11	22	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RANGIATIKRA	11KV-GARDEGA	11	13	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RANGIATIKRA	11KV-GHUNGHUTI FEEDER	11	22	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RANGIATIKRA	11KV-RANGIATIKRA FEEDER	11	15	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDA(JAMKANI)	11KV-BANDHAPALI	11	143	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDA(JAMKANI)	11KV-DULESARA	11	47	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	ARDA(JAMKANI)	11KV-JAMKANI	11	12	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAGDEHI	11KV-BAGDIHI	11	5	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAGDEHI	11KV-BHALUPATRA	11	43	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAGDEHI	11KV-BHIMJORE	11	26	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BAGDEHI	11KV-TUMBADIHI	11	19	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DURLAGA(CACHERY)	11KV-COLLECTORA	11	10	34 to 100	120		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	DURLAGA(CACHERY)	11KV-LIC_DURLAGA(CACHERY)	11	13	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DURLAGA(CACHERY)	11KV-TALPATIA	11	38	34 to 100	130		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAHANDABUD	11KV-HKATAPALI	11	20	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAHANDABUD	11KV-HOUSING BOARD	11	8	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAHANDABUD	11KV-INDUSTRIAL	11	16	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MEDICAL-DHH	11KV-DHH-1	11	0	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MEDICAL-DHH	CARDIAC-1	11	1	34 to 100	2		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MEDICAL-DHH	CARDIAC-2	11	1	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MEDICAL-DHH	STAFF	11	41	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PURNA	11KV-DEBADIHI FEEDER	11	24	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PURNA	11KV-JHADESWER FEEDER	11	19	34 to 100	146		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PURNA	11KV-KALIMANDIR FEEDER	11	33	34 to 100	268		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PURNA	11KV-SIRIPALI FEEDER	11	17	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-IB	11	28	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-JSG -III	11	14	34 to 100	174		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-JSG-I	11	10	34 to 100	288	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-KACHERY	11	15	34 to 100	190		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-LIC	11	42	34 to 100	195		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARASMAL	11KV-OMP	11	46	34 to 100	160		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARBAHAL	11KV-DURGAMANDAP	11	2	34 to 100	164		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARBAHAL	11KV-SRIPURA	11	133	34 to 100	147		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SARBAHAL	11KV-SUNARIMUNDA	11	6	34 to 100	183		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BADMAL	11KV- BADMAL	11	32	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BADMAL	11KV-HIRMA	11	111	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	BADMAL	11KV-SINGHABADA	11	15	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARIABAHAL	11KV-PAKELPADA FEEDER	11	25	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARIABAHAL	11KV-TAPAGUNJA FEEDER	11	93	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARIABAHAL	11KV-TILEIMAL FEEDER	11	36	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARIABAHAL	SAHASPUR (JHARIABAHAL FEEDER)	11	68	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KIRMIRA	11KV LINE 2 KIRIMIRA	11	10	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KIRMIRA	11KV-BEHERAMAL	11	27	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KIRMIRA	11KV-LINE-3-NAXAPALI	11	13	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KOLABIRA	11KV-JHIRLAPALI	11	103	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KOLABIRA	11KV-KOLABIRA	11	8	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KOLABIRA	11KV-RAGHUNATH-PALI	11	70	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KOLABIRA	11KV-SAMASINGHA	11	69	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIKERA	11KV- MUNDRAJORE	11	131	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIKERA	11KV-BHATLAIDA	11	23	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIKERA	11KV-LAIEKRA	11	10	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIKERA	11KV-SAHASPUR	11	23	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SODAMAL	11KV-BEUNRA	11	15	34 to 100	2		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SODAMAL	11KV-SODAMAL	11	10	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAKHANPUR	11KV-LINE-1 LAKHANPUR	11	42	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BANDHBAHAL	11KV-BALANDA	11	103	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BANDHBAHAL	11KV-GANESH NAGAR	11	10	34 to 100	200	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BANDHBAHAL	11KV_BANDHBAHAL	11	49	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHULUNDA	11KV-CHARPALI FEEDER	11	37	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHULUNDA	11KV-DEHERIDHIPA FEEDER	11	31	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	DHULUNDA	11KV-KANAKTORA FEEDER	11	55	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHULUNDA	11KV-REMDA FEEDER	11	29	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOVINDPUR	11 KV BHANRAKHOL (NEW)	11	124	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOVINDPUR	11 KV KADAMDIHI FEEDER	11	27	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOVINDPUR	11 KV-KUREMAL	11	18	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOVINDPUR	11KV-LINE-2 KUDABAGA	11	10	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARUAPADA	11KV BALAJI FFEDER	11	1	34 to 100	2		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARUAPADA	11KV-BHIKAMPALI	11	20	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARUAPADA	11KV-JAMGAON FDR	11	76	34 to 100	71		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JHARUAPADA	11KV-RENGALI FEEDER	11	43	34 to 100	71		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MUCHBAHAL	11KV-JORABAGA	11	20	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MUCHBAHAL	11KV-JUNADIHI	11	51	34 to 100	130	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MUCHBAHAL	11KV-KANTATIKRA	11	23	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MUCHBAHAL	11KV-TOWN	11	94	34 to 100	231		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PANDRI	11 KV SINGHEIPALI FEEDER	11	70	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PANDRI	11KV CHARPALI_PANDRI	11	31	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PANDRI	11KV-PIPLIKANI LINE-1	11	43	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BRAJRAJNAGAR	11KV_BRAJARAJNAGAR	11	39	34 to 100	142		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BRAJRAJNAGAR	11KV_GANDHI CHOWK	11	16	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BRAJRAJNAGAR	11KV_LAMTIBAHAL	11	26	34 to 100	170		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BRAJRAJNAGAR	11KV_TELANPALLI	11	12	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GANDHI CHOWK	11 KV BADJOB FEEDER	11	27	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	GANDHI CHOWK	11 KV LOISING	11	57	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GANDHI CHOWK	11 KV RAJPUR	11	43	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GANDHI CHOWK	11 KV TOWN FEEDER	11	3	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-BHALUPALI	11	36	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-BUDHARAJA SCHOOL	11	7	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-BURLA	11	2	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-COLLEGE	11	9	34 to 100	204	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-FAMILY PLANNING	11	11	34 to 100	257	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-FATAK	11	10	34 to 100	217		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-GOPALPALI	11	33	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-INDUSTRIAL	11	3	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-KHETRAJPUR	11	15	34 to 100	201		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-RAW WATER	11	8	34 to 100	168		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	AINTHAPALI	11KV-REMED	11	18	34 to 100	173		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KAINSIR	11KV-KAINSIR	11	4	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KAINSIR	33/11KV KAINSIR PSS TO BALBASPUR FEEDER	11	27	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KAINSIR	33/11KV KAINSIR PSS TO BARMUNDA	11	7	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA	11KV-CONTRACTOR-COLONY	11	7	34 to 100	96		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA	11KV-MARKET-FEEDER	11	2	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA	11KV-UCE	11	14	34 to 100	134		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA	11KV-WESCO	11	16	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA MEDICAL	11KV-DOCTOR-COLONY	11	13	34 to 100	69		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	BURLA MEDICAL	11KV-KV HOSTEL	11	3	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA MEDICAL	11KV-MEDICAL-1	11	3	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BURLA MEDICAL	11KV-SOLAR	11	5	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JYOTIBIHAR	11KV-BHUNDUNGURIPADARD	11	8	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JYOTIBIHAR	11KV-GOLKUNDA	11	6	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JYOTIBIHAR	11KV-K TAPALI	11	25	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JYOTIBIHAR	11KV-LADIES-HOSTEL	11	11	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHIPILIMA	11KV-BASANTPUR	11	20	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHIPILIMA	11KV-TULANDI(CHIPILIMA)	11	49	34 to 100	51		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHORPUR	11KV-BADASINGHARI	11	13	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHORPUR	11KV-MUNDAGHAT	11	17	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHORPUR	11KV-SENHAPALI	11	18	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-BURLA	11	15	34 to 100	83		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-GODBHAGA	11	15	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-KALAMATI	11	15	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-MAHALAXMI	11	16	34 to 100	83		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-MUNDOGHAT	11	14	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GOSHALA	11KV-TULANDI(GOSHALA)	11	9	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-ALIND RE	11	35	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-GANDHINAGAR	11	11	34 to 100	127		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-HPCL	11	9	34 to 100	127		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-MEDICAL-1	11	5	34 to 100	64		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-SAMBALPUR-1	11	12	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HIRAKUD	11KV-SAMBALPUR-2	11	34	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	BADABAZAR	11KV-BADABAZAR FEEDER	11	4	34 to 100	165	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BADABAZAR	11KV-FARM ROAD FEEDER	11	6	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BADABAZAR	11KV-SAMALESWARI FEEDER	11	2	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHERUAPADA	11KV RAILWAY FEEDER	11	2	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHERUAPADA	11KV_BULIBANDH	11	11	34 to 100	176		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHERUAPADA	11KV_HOSPITAL	11	2	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	CHERUAPADA	11KV_PHD	11	7	34 to 100	161		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-BHUTAPADA	11	5	34 to 100	247	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-BROOKS HILL	11	39	34 to 100	317	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-GOLEBAZAR	11	1	34 to 100	135		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-NEW CS COLONY	11	10	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-SHIKHAPARA	11	19	34 to 100	286		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHAMA	11KV-DHAMA	11	44	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHAMA	11KV-INDUSTRY	11	10	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHAMA	11KV-KHINDA	11	119	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	DHAMA	11KV-LARASARA	11	68	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GUNDERPUR	11KV-GUNDERPUR	11	42	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	GUNDERPUR	11KV-SAHASPUR	11	96	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PADIABAHAL	11KV-BAHAMPUR	11	65	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PADIABAHAL	11KV-JAYANTPUR FDR	11	85	34 to 100	114		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PADIABAHAL	11KV-PADIABAHAL	11	189	34 to 100	106		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-DHANUPALI	11	27	34 to 100	360	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-MAHAVEER	11	24	34 to 100	143		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PUTIBANDH	11KV-SINDURPANKHA	11	24	34 to 100	136		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MANESWAR	11KV-MANESWAR	11	11	34 to 100	99		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	MANESWAR	11KV-TALPALI	11	10	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	BATGAON	BATGAON TOWN 11KV FEEDER	11	101	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BATGAON	JAMJODI 11KV FEEDER	11	52	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	BATGAON	SALEBATA 11KV FEEDER	11	54	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KADALIGARH	11KV KANKANPADA FEEDER	11	34	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KADALIGARH	MADHUPUR 11KV FEEDER	11	15	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KADALIGARH	TRIBANPUR 11KV FEEDER	11	8	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HATIBARI(SAMBALPUR)	11KV-BASIAPADA	11	45	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HATIBARI(SAMBALPUR)	11KV-HATIBARI	11	77	34 to 100	4		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HATIBARI(SAMBALPUR)	11KV-MEGHAPAL	11	284	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HATIBARI(SAMBALPUR)	11KV-MUNDHAR	11	78	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HERO	11KV-BADASAHI	11	275	34 to 100	159		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HERO	11KV-HERO	11	24	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	HERO	11KV-NEW BARANGAMAL	11	24	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JUJUMARA	11KV-JUJUMURA	11	296	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	JUJUMARA	11KV-RAMBADAMAL	11	57	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KISINDA	11KV-BALARAMA	11	57	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KISINDA	11KV-GIRISHCHANDRAPUR	11	66	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KISINDA	11KV-PANIMURA	11	155	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	NAKTIDEUL	11KV-BATGAON	11	47	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	NAKTIDEUL	11KV-DAINCHA	11	215	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	NAKTIDEUL	11KV-JAGANNATHPRASAD	11	7	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	NAKTIDEUL	11KV-KISINDA	11	94	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	NAKTIDEUL	11KV-MICRO	11	38	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	NAKTIDEUL	11KV-NAKTIDEUL	11	1	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-BARBANK	11	234	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-CHARMAL	11	52	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-COLLEGE	11	11	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-KADALIGARH	11	162	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-LUHAPANK	11	88	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RAIRAKHOL	11KV-RAIRAKHOL	11	20	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KATARBAGHA	11KV-KATARBAG TOWN	11	31	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	KATARBAGHA	11KV-TAMPERKELA	11	98	34 to 100	99		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIDA	11KV-KANTAPLAI	11	0	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIDA	11KV-LAIDA	11	29	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAIDA	11KV-RANGALI	11	38	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAPANGA	11KV-KHINDA	11	25	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAPANGA	11KV-LAPANGA	11	9	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	LAPANGA	11KV-THELKOLI	11	18	34 to 100	80		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PARMANPUR	11KV-MURA	11	86	34 to 100	58		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PARMANPUR	11KV-PANDRI	11	41	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	PARMANPUR	11KV-PARMANPUR(PARMANPUR)	11	120	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI	11KV-KHIASAHI	11	28	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI	11KV-KITARBAGA	11	30	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI	11KV-LAPANGA(RANGALI)	11	19	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI	11KV-RENGALI	11	5	34 to 100	108		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI	11KV-SALAD	11	6	34 to 100	4		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI NEW	11KV-INDUSTRIAL	11	7	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up

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SAMBALPUR	RENGALI NEW	11KV-NISHABHANGA	11	10	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	RENGALI NEW	11KV-SAPNE	11	12	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SASON	11KV-MAJHIPALI	11	10	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SASON	11KV-PARMANPUR (SASON)	11	62	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SASON	11KV-SASON	11	85	34 to 100	139		80-120	MS Joist/PCC Poles	To be taken up
SAMBALPUR	SODAMAL	11KV- JUNADIHI	11	25	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	INDUSTRIAL ESTATE BOL	11KV-INDUSTRIAL EST 1	11	16	34 to 100	181		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	INDUSTRIAL ESTATE BOL	11KV-INDUSTRIAL EST 2	11	7	34 to 100	141		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	INDUSTRIAL ESTATE BOL	11KV-INDUSTRIAL EST 3	11	7	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	INDUSTRIAL ESTATE BOL	11KV-INDUSTRIAL EST 4	11	28	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	INDUSTRIAL ESTATE BOL	11KV-INDUSTRIAL EST 5	11	8	34 to 100	120		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JAIL	11KV-GANDHINAGAR	11	6	34 to 100	151		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LALITIKRA	11KV-FEEDER 1	11	8	34 to 100	155		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LALITIKRA	11KV-FEEDER 2	11	7	34 to 100	114		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LALITIKRA	11KV-FEEDER 3	11	32	34 to 100	137		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LALITIKRA	11KV-RE FEEDER	11	21	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	POWERHOUSE BOL	11KV-HATISAL	11	3	34 to 100	107		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	POWERHOUSE BOL	11KV-MALPADA	11	5	34 to 100	207		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	POWERHOUSE BOL	BRAHMANPADA	11	6	34 to 100	209	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SUDPADA	11KV-KANSARIPADA	11	4	34 to 100	170		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KENDUMUNDI	11KV-BHARSUJA (KENDUMUNDI)	11	25	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KENDUMUNDI	11KV-BINDHAPALI	11	29	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	KENDUMUNDI	11KV-KHALIAPALI	11	12	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KENDUMUNDI	11KV-PANDESARA	11	11	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LOISINGHA	11KV-LOISINGHA	11	30	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LOISINGHA	11KV-MENDA	11	92	34 to 100	168		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LOISINGHA	11KV-NAGAON (LOISINGHA)	11	33	34 to 100	122		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEBHATA	11KV-BAKTI	11	118	34 to 100	120	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEBHATA	11KV-DUDUKA	11	40	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEBHATA	11KV-LUPURSINGHA	11	105	34 to 100	240	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEBHATA	11KV-SALEBHATA	11	14	34 to 100	38		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AGALPUR	11KV_BHARSUJA (AGALPUR)	11	2	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AGALPUR	11KV_NUAGAON (AGALPUR)	11	90	34 to 100	88		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AGALPUR	11KV_RENGALI	11	54	34 to 100	96		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AGALPUR	11KV_ROTH	11	83	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BUDHABAHAL	11 KV-TEPREN	11	34	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BUDHABAHAL	11KV-BHUTIBAHAL	11	75	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BUDHABAHAL	11KV-GAMBHARIMAL	11	44	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BUDHABAHAL	11KV-SARASMAL	11	16	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-ADARSH 2	11	9	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-DEOGAON	11	5	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-GAIBAHAL-1	11	113	34 to 100	110		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-GAIBAHAL-2	11	35	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-SAGARPALI	11	6	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DEAGAON	11KV-TUSURA	11	37	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JARASINGHA	11KV- JARSINGHA	11	2	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JARASINGHA	11KV- SALEPALI	11	14	34 to 100	51		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JARASINGHA	11KV- UDAR	11	30	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	JARASINGHA	11KV-CHANDRAPUR	11	11	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV- ARJUNPUR	11	122	34 to 100	145	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV- GUDVELLA	11	172	34 to 100	172	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV- MAHALAI	11	176	34 to 100	98		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV- NATRAJ	11	38	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV-SAMARA	11	56	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUSRA	11KV-TUSRA TOWN	11	24	34 to 100	95		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BARAPUDUGIA	11KV-CHUDAPALI	11	11	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BARAPUDUGIA	11KV-GARJAN	11	92	34 to 100	83		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BARAPUDUGIA	11KV-HARDATAL	11	152	34 to 100	120		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BARAPUDUGIA	11KV-PIPALKANI	11	127	34 to 100	85		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BARAPUDUGIA	11KV-SHIBATALA	11	62	34 to 100	135		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BEHERAPALI	11KV-BEHERAPALI (PUINTALA)	11	1	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BEHERAPALI	11KV-BHALER	11	24	34 to 100	74		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BEHERAPALI	11KV-SANTPUR	11	28	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BEHERAPALI	11KV-UMRIA	11	114	34 to 100	126		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHADRA	11KV-JHARMUNDA	11	55	34 to 100	105		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHADRA	11KV-KANDAJURI	11	23	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHADRA	11KV-SARGADA	11	73	34 to 100	130		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHHATMAKHANA	11KV-CHHUIBANDH	11	9	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHHATMAKHANA	11KV-DURGAPALI	11	62	34 to 100	133		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHHATMAKHANA	11KV-KHARMARMUNDA	11	7	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	CHHATMAKHANA	11KV-KUSUMEL	11	79	34 to 100	127		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHHATMAKHANA	11KV-PHD	11	6	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHHATMAKHANA	11KV-SUJIA	11	46	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JAIL	11KV-BEHERPALLI (JAIL)	11	10	34 to 100	58		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KASABAHAL	11KV-KURUL	11	38	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KASABAHAL	11KV-MAHIMUNDA	11	28	34 to 100	112		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KASABAHAL	11KV_ODIAPALI	11	32	34 to 100	79		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MADHIAPALI	11KV-MADHIAPALI INDUSTRIAL	11	7	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MADHIAPALI	11KV-RE MADHIAPALI	11	7	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MADHIAPALI	11KV-SADEIPALI	11	47	34 to 100	84		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KUDASINGHA	11KV_CHIKALBAHAL	11	10	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KUDASINGHA	11KV_KUDASINGHA	11	92	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KUDASINGHA	11KV_SIKCHHAIDA	11	28	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHATABAHALI	11KV-JULUNDA	11	30	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHATABAHALI	11KV-KAPASIRA	11	37	34 to 100	110		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHATABAHALI	11KV-SALEPALI	11	71	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BHATABAHALI	11KV-TAMAMURA	11	29	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-BINKA	11	15	34 to 100	111		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-GULUNDA	11	34	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-GULUNDA AGRICULTURE	11	6	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-INDUSTRIAL (BINKA)	11	16	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-MAHADEVPALI (BINKA)	11	3	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BINKA	11KV-RAMPUR	11	14	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	BINKA	11KV-SANKERA	11	23	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BISHALPALI	11KV INDUSTRIAL (BISHALPALI)	11	4	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BISHALPALI	11KV-BANKIGINDI	11	83	34 to 100	96		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BISHALPALI	11KV-KADLIPALI	11	35	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BISHALPALI	11KV-SINDURPUR	11	23	34 to 100	72		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BISHALPALI	11KV_SINGHJUBA	11	28	34 to 100	82		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHERUPALI	11KV-CHERUPALLI	11	44	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHERUPALI	11KV-DUNGRUIPALLI	11	37	34 to 100	101		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHERUPALI	11KV-PANDKITAL	11	37	34 to 100	91		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHERUPALI	11KV-SARGUL	11	137	34 to 100	155		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANKITAL	11KV-BADKERLEY	11	103	34 to 100	171		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANKITAL	11KV-MAYABARHA	11	23	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANKITAL	11KV_RAMPUR	11	16	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEDI	11KV-BHAMARPALI	11	52	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEDI	11KV-IRRIGATION	11	15	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEDI	11KV-KAINTARA	11	36	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SALEDI	11KV-MAHADEVPALI (SALEDI)	11	38	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AINLACHAT	11KV - CHADHEIPANK	11	80	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AINLACHAT	11KV - SINDHOL(AINLACHAT)	11	48	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	AINLACHAT	11KV - SULIA FEEDER	11	38	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11 KV- MARALOI	11	31	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11 KV-ULLNDA	11	2	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11KV - GANDABAHAL	11	11	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11KV - GOEDMARA	11	61	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11KV - HIKUNDI (ULLUNDA)	11	44	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	ULLUNDA	11KV-HINGMA-I	11	42	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	ULLUNDA	11KV-THENGO	11	185	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV-TELIPALI	11	55	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV_BM PUR	11	34	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV_CHAMPAPUR	11	27	34 to 100	71		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV_DHARMASALA	11	51	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV_JALOI	11	106	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BM-PUR	11KV_STRUCTURE FEEDER	11	6	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURSUNDI	11KV-MANIKPUR	11	52	34 to 100	80		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURSUNDI	11KV_BUTHIPADAR	11	79	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURSUNDI	11KV_KHANDOKATA	11	60	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURSUNDI	11KV_MURSUNDI	11	22	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	RAXA CHOWK	11KV - HINGMA-II	11	54	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	RAXA CHOWK	11KV-HIKUDI CHOWK	11	45	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SUBALAYA	11KV-JATESINGHA	11	15	34 to 100	38		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SUBALAYA	11KV-KAMIRA	11	6	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SUBALAYA	11KV-SUBALAYA	11	10	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SUBALAYA	11KV_GARIAMUNDA	11	65	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHARBHATA	11KV-BALIKHAMAR	11	48	34 to 100	56		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHARBHATA	11KV-CHARBHATA	11	8	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	CHARBHATA	11KV-RENGSA	11	36	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUMERBAHAL	11KV-JAMGAON	11	54	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUMERBAHAL	11KV-JHARBALANGIR	11	50	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUMERBAHAL	11KV-TARVA	11	93	34 to 100	94		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HARDOKHOL	11KV-BAIDYANATH	11	32	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HARDOKHOL	11KV-BISIMUNDA	11	114	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HARDOKHOL	11KV-HARDOKHOL	11	26	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HARDOKHOL	11KV-KHAMBESWARIPALLI	11	32	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	HARDOKHOL	11KV-MAJHI-MUNDA	11	10	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HEADKITIKRA-KALAPATHAR	11KV-JAMMURA	11	22	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	HEADKITIKRA-KALAPATHAR	11KV-KALAPATHAR	11	21	34 to 100	75		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR NEW	11KV-BADBAZAR	11	11	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR NEW	11KV-COLLECTORATE	11	10	34 to 100	86		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR NEW	11KV-MEDICAL	11	2	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR OLD	11KV-HARDOKHOL-TOWN	11	11	34 to 100	93		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR OLD	11KV-JANMURA-TOWN	11	9	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR OLD	11KV-MAJHIPADA	11	6	34 to 100	82		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SONEPUR OLD	11KV-SHANTI-NAGAR	11	7	34 to 100	88		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUBLA	11KV-BAGHIA	11	19	34 to 100	73		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUBLA	11KV-LUKAPALI	11	82	34 to 100	105		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUBLA	11KV-TALPADAR	11	53	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DUBLA	11KV_PURUNAPANI	11	23	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV-BIJEPADAR	11	66	34 to 100	120		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV-NARAYANPUR	11	64	34 to 100	85		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV-PUA	11	87	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV-TARAIKELA	11	9	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV_KENDUMUNDA	11	49	34 to 100	55		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHARI	11KV_MAHULA	11	45	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TARVA	11KV-SARGAJ	11	22	34 to 100	76		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TARVA	11KV-TARVA TOWN 2	11	10	34 to 100	78		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TARVA	11KV-TARVA TOWN1	11	18	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TARVA	11KV_TANTULIKHUNI	11	33	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BAGABAHAL	11KV-BELPADA	11	3	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	BAGABAHAL	11KV-BHALUMUNDA	11	33	34 to 100	64		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BAGABAHAL	11KV-JURABANDH	11	36	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BAGABAHAL	11KV-SORGUL	11	28	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BANGOMUNDA	11KV-BHALUMUNDA_12	11	14	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BANGOMUNDA	11KV-BONGOMUNDA	11	8	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BANGOMUNDA	11KV-GOHIRAPADER	11	12	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BANGOMUNDA	11KV-LUKAPADA	11	28	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DABRI	11KV-DABRI	11	29	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DABRI	11KV-DHAMANDONGA	11	64	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DABRI	11KV-DUMERCHUAN	11	57	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GUDIGHAT	11KV-CHALKI	11	40	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GUDIGHAT	11KV-CHANABAHAL	11	41	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GUDIGHAT	11KV_ANDALDORO	11	21	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GUDIGHAT	11KV_ANTARLA	11	38	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANTABANJI	11KV-ASHRAM PADA	11	12	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANTABANJI	11KV-TOWN-1	11	17	34 to 100	167		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANTABANJI	11KV-TOWN-2	11	27	34 to 100	150		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURIBAHAL	11KV-GUDIA HAT	11	17	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURIBAHAL	11KV-JAMUNA	11	13	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURIBAHAL	11KV-TOWN	11	5	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURIBAHAL	11KV_DUBUNG	11	57	34 to 100	65		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	MURIBAHAL	11KV_TUPAVDHAR	11	76	34 to 100	56		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUREIKELA	11KV-BADABANKI	11	68	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUREIKELA	11KV-GHUNESH	11	54	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUREIKELA	11KV-R. E	11	74	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TUREIKELA	11KV-TUREIKELA	11	11	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	BELPADA	11KV-BELPADA	11	20	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-FACTORY	11	20	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-GHAGURLI	11	103	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-KAPANI	11	42	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-MANDAL	11	7	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-NAVODAYA	11	2	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELPADA	11KV-PADAMPUR	11	3	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DHUMABHATA	11KV-DHUMABHATA	11	17	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DHUMABHATA	11KV-JUBA	11	91	34 to 100	69		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DHUMABHATA	11KV-RADBAHAL	11	27	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	DHUMABHATA	11KV-SULEIKALA	11	86	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GHUMER	11KV-DALAPALI	11	38	34 to 100	57		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	GHUMER	11KV-TAMIA&THAISOM	11	96	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JURIA	11KV-DAMAIPALI	11	45	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JURIA	11KV-GHAGRA-BHATLI	11	15	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JURIA	11KV-JURIA	11	20	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	JURIA	11KV-LUHASINGHA	11	16	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANUT	11KV-BHARUAPALI	11	99	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANUT	11KV-NUAHAD	11	75	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANUT	11KV-SALANDI	11	177	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KANUT	11KV-TANLA	11	150	34 to 100	56		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHAPRAKHOL	11KV-BHALDUNGARI	11	37	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHAPRAKHOL	11KV-DHANDAMUNDA	11	77	34 to 100	86		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHAPRAKHOL	11KV-HARISANKAR	11	64	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHAPRAKHOL	11KV-RENGALI	11	74	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LARAMBHA	11KV-BAGMUNDA	11	70	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	LARAMBHA	11KV-DANGBAHAL	11	60	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LARAMBHA	11KV-LARAMBHA	11	18	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LATHORA	11KV-BAGDIHA	11	21	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LATHORA	11KV-BENDIR	11	19	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LATHORA	11KV-BUSSTAND	11	9	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LATHORA	11KV-COLONY PADA	11	26	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	LATHORA	11KV-TANKAPANI	11	24	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PATNAGARH	11KV-BATHARLA	11	103	34 to 100	147		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PATNAGARH	11KV-OLD GHASIAN	11	99	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PATNAGARH	11KV-PHD	11	5	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PATNAGARH	11KV-TOWN-1	11	6	34 to 100	76	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PATNAGARH	11KV-TOWN-2	11	10	34 to 100	172		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TANDAPADAR	11KV-BADAJHANKARPALI	11	26	34 to 100	38		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TANDAPADAR	11KV-BHAISA	11	28	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TANDAPADAR	11KV-RAMPUR	11	18	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	THAKPADA	11KV-BANJARI	11	70	34 to 100	107		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	THAKPADA	11KV-GMBHARI	11	39	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	THAKPADA	11KV-JOGIMUNDA	11	71	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	THAKPADA	11KV-MATIKHAI	11	41	34 to 100	34		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KARAMTALA	11KV - TIKRAPADA	11	58	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELGAON	11KV -BADIPADA	11	44	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELGAON	11KV -PHD FEEDER	11	19	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELGAON	11KV- BHADRA	11	45	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELGAON	11KV-BIJEPUR	11	70	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	BELGAON	11KV-GHUNSIR	11	67	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KARMATALA	11KV - PATAMARA	11	24	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KARMATALA	11KV- KARAMTALA	11	35	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KARMATALA	11KV- PHAPSI	11	48	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up

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BOLANGIR	SAINTALA	11KV- BLOCK	11	1	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SAINTALA	11KV- BUDHABAHAL	11	78	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SAINTALA	11KV- KUMBHARI	11	35	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SAINTALA	11KV- PITAMBUL	11	28	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SAINTALA	11KV-SAINTALA	11	8	34 to 100	60		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHOLAN	11KV-DAM	11	45	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHOLAN	11KV-KHOLAN	11	49	34 to 100	57		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHOLAN	11KV-LIMPADA	11	20	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	KHOLAN	11KV-LUTHURBANDH	11	88	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANDRIPANI	11KV-ALANDA	11	36	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANDRIPANI	11KV-BAGBHAL	11	32	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANDRIPANI	11KV-DEDGAON	11	90	34 to 100	72		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PANDRIPANI	11KV-JHARIAL	11	20	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PIPLAPADA	11KV-CHARBHATA	11	36	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PIPLAPADA	11KV-MANIGAON	11	66	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	PIPLAPADA	11KV-PIPALAPADAR	11	7	34 to 100	8		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SINDHEKELA	11KV-CHANDOTARA	11	70	34 to 100	73		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SINDHEKELA	11KV-PARASARA	11	4	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SINDHEKELA	11KV-PUTUPADA	11	0	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	SINDHEKELA	11KV-TOWN-SINDHEKELA	11	13	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TITILAGARH	11KV-BANDHUPALA	11	14	34 to 100	156		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TITILAGARH	11KV-BHATIPADA	11	28	34 to 100	163	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TITILAGARH	11KV-FOUR-POLE-POLICE-STATION	11	1	34 to 100	72		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TITILAGARH	11KV-GUNCHITAR	11	43	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
BOLANGIR	TITILAGARH	11KV-LIC	11	6	34 to 100	89		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BASANTI	11KV_DAV	11	5	34 to 100	244		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BASANTI	11KV_PHD	11	7	34 to 100	185	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	GOPABANDHUPALI	11KV_GOPABANDHUPALI	11	3	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GOPABANDHUPALI	11KV_MS PALI	11	8	34 to 100	90		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GOPABANDHUPALI	11KV_TIMBER	11	4	34 to 100	47		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JAREIKELA	11KV- BHALULATA FEEDER	11	43	34 to 100	27		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JAREIKELA	11KV-BHRUTABAHAL FEEDER	11	10	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BANDAMUNDA	11KV_BALABHADRA MARKET	11	10	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BANDAMUNDA	11KV_BANDHAMUNDA	11	45	34 to 100	191		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_BARSUAN	11	44	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_BISRA_1	11	4	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_BISRA_2	11	12	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_DHADARI	11	11	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_JAREIKELA	11	25	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BISRA	11KV_SANBABUA(BAMBUA)	11	28	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DALPOSH	11KV_BARTOLI	11	8	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DALPOSH	11KV_JAMSERA	11	32	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NIT	11KV_NAYA BAZAR	11	10	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NIT	11KV_OSAP	11	50	34 to 100	157		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HAMIRPUR	11KV-HAMIRPUR	11	10	34 to 100	74		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HAMIRPUR	11KV-RAMAGADA	11	2	34 to 100	2		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOELNAGAR	11KV-ADEB	11	10	34 to 100	345	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOELNAGAR	11KV-C BLOCK	11	3	34 to 100	163		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOELNAGAR	11KV-JHIRPANI	11	7	34 to 100	212		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NIT	11KV-JAGADA	11	10	34 to 100	194		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	POWERHOUSE	11KV- PLANT SITE	11	8	34 to 100	306		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	POWERHOUSE	11KV- UDIT NAGAR	11	14	34 to 100	414	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	POWERHOUSE	11KV-MAIN ROAD	11	9	34 to 100	337	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	POWERHOUSE	11KV-PH ROAD	11	2	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GURUNDIA	11KV_BONEIKELA	11	148	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GURUNDIA	11KV_GURUNDIA TOWN	11	52	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	K. BALANG	11KV_JHARBEDA	11	134	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	K. BALANG	11KV_K BALANG	11	63	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	K. BALANG	11KV_ROXY (K. BALANG)	11	179	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOIRA	11KV -INDUSTRY -2	11	31	34 to 100	70	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOIRA	11KV-INDUSTRY -1	11	32	34 to 100	89		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KOIRA	11KV-KOIRA KALTA	11	51	34 to 100	136	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAHULDIA	11KV- KHANDADHAR	11	2	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAHULDIA	11KV-BADAGAON	11	96	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAHULDIA	11KV-FULJHAR	11	41	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAHULDIA	11KV-KULIPOSH	11	94	34 to 100	49		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAHULDIA	11KV-MAHULPADA	11	40	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJAMUNDA	11KV- DARJING	11	100	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJAMUNDA	11KV- LAHUNIAPADA	11	76	34 to 100	82		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJAMUNDA	11KV- LALEI	11	47	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJAMUNDA	11KV-GOPNA	11	88	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TENSA	11KV- TENSA	11	49	34 to 100	59	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TUNIAPALI	11KV-INDRAPUR	11	116	34 to 100	127	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TUNIAPALI	11KV-SARSARA	11	78	34 to 100	101	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONAI	11KV_ BONEI TOWN	11	27	34 to 100	134		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	BONAI	11KV_GOGUA	11	31	34 to 100	64		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONAI	11KV_GURUNDIA(NARENDRA)	11	240	34 to 100	67	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONAI	11KV_KENAVETA	11	49	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CHHEND	11KV_1ST PHASE	11	6	34 to 100	196		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CHHEND	11KV_CHHEND PHASE-2	11	5	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CHHEND	11KV_LUHAKERA	11	17	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CHHEND	11KV_PANPOSH	11	12	34 to 100	168		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CHHEND	11KV_SELF FINANCE	11	4	34 to 100	147		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALINGA VIHAR	11KV_KALINGAVIHAR-PHASE3	11	6	34 to 100	107		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALINGA VIHAR	11V_RDA	11	8	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALINGA VIHAR	MIL2 FEEDER	11	3	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALINGA VIHAR	PRADHANPALI FEEDER	11	7	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CIVIL TOWNSHIP	11KV_BIRSHA MUNDA	11	3	34 to 100	184		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CIVIL TOWNSHIP	11KV_COLLEGE	11	3	34 to 100	220		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CIVIL TOWNSHIP	11KV_HANUMAN VATIKA	11	3	34 to 100	111		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	CIVIL TOWNSHIP	11KV_RGH	11	1	34 to 100	67		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	INDUSTRIAL ESTATE	11KV_GANGADHARPALI	11	5	34 to 100	121		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	INDUSTRIAL ESTATE	11KV_INDUSTRIAL	11	8	34 to 100	115		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	INDUSTRIAL ESTATE	11KV_TOWN	11	2	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JALDA	11KV-INDUSTRIAL	11	26	34 to 100	100		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	JALDA	11KV-JALDA C BLOCK	11	5	34 to 100	185		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JALDA	11KV-TOWN	11	16	34 to 100	112		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LATHIKATA	11KV MODERN INDIA 2	11	53	34 to 100	77		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LATHIKATA	11KV-MODERN INDIA 1	11	39	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LATHIKATA	11KV-RAMJODI	11	125	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LATHIKATA	11KV_BANKI	11	83	34 to 100	70		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	PANPOSH	11KV- PHD	11	0	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	PANPOSH	11KV- RAW WATER	11	3	34 to 100	73		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	PANPOSH	11KV-BALUGHAT	11	9	34 to 100	91		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	PANPOSH	11KV-COLLEGE	11	3	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALANDA	11KV_BALANDA	11	13	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALANDA	11KV_GARJAN	11	33	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALANDA	11KV_TYNSAR	11	262	34 to 100	107		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALUNGA(IDC)	11KV_IDC	11	10	34 to 100	152	OVERLOADED	80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALUNGA(IDC)	11KV_KALUNGA BASTI	11	7	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KALUNGA(IDC)	11KV_THIRD PHASE	11	5	34 to 100	64		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	OTTO INDIA	11KV-BIRKERA	11	12	34 to 100	1		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	OTTO INDIA	11KV-KALUNGA TOWN 1	11	21	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	VEDVYAS	11KV-BELDIHI	11	21	34 to 100	71		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	VEDVYAS	11KV-GOPAPALI	11	9	34 to 100	106		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	VEDVYAS	11KV-VEDVYAS	11	8	34 to 100	202		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRAMITRAPUR	11KV-BIJABAHAL	11	130	34 to 100	73		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRAMITRAPUR	11KV-JHARBEDA	11	94	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRAMITRAPUR	11KV-RAIBOGA	11	36	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	BIRAMITRAPUR	11KV-TOWN-1	11	10	34 to 100	59		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRAMITRAPUR	11KV-TOWN-2	11	58	34 to 100	106		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HATIBARI(RKL)	11KV-BAUNSJORE	11	30	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HATIBARI(RKL)	11KV-BEMTA	11	77	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HATIBARI(RKL)	11KV-HATIBARI/NUAGAON	11	101	34 to 100	81		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-BANIGUNI	11	34	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-GOBERA	11	40	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-KALOSARIA	11	74	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-PADAMPUR	11	29	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-SARVESH	11	11	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUARMUNDA	11KV-TOWN	11	10	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NUAGAON	11KV-LUKUBEDA	11	29	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NUAGAON	11KV-NUAGAON(KUARMUNDA)	11	25	34 to 100	68		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NUAGAON	11KV-POTRAPALI	11	135	34 to 100	146		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	NUAGAON	11KV-SARADA	11	122	34 to 100	121		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAIBOGA	11KV-KADOBAHAL	11	25	34 to 100	63		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAIBOGA	11KV-SALONGBAHAL	11	108	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LINDRA	11KV - KERKETA FEEDER	11	24	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LINDRA	11KV - KHUTGAON	11	28	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LINDRA	11KV - PHULJHER FEEDER	11	3	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	ALONDA	11KV- ALONDA	11	48	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	ALONDA	11KV-KUKUMUNDA	11	68	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	ALONDA	11KV-LAXMIPOSH (ALONDA STRUCTURE)	11	142	34 to 100	31		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BHOGOTOLA	11KV-KUMARKELA	11	16	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BHOGOTOLA	11KV-MALDAHI	11	158	34 to 100	19		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BHOGOTOLA	11KV-TOWN	11	25	34 to 100	69		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANDIAKUDAR	11KV- INDUSTRIAL	11	18	34 to 100	43		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANDIAKUDAR	11KV-NEW VILAIGARH	11	120	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANDIAKUDAR	11KV-OLD BILAIGARH	11	49	34 to 100	87		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-ESI	11	0	34 to 100	2		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-HARI MACHINE	11	0	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-MANDIAKUDAR	11	55	34 to 100	80		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-MISSION	11	10	34 to 100	62		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-NEW TOWN1	11	5	34 to 100	173		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	RAJGANGPUR	11KV-TOWN-2	11	31	34 to 100	148		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BARGAON(RKL)	11KV-BARGAON	11	51	34 to 100	66		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BARGAON(RKL)	11KV-JARANGLAI	11	46	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BARGAON(RKL)	11KV-SAHAJBAHAL	11	82	34 to 100	25		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BARGAON(RKL)	11KV-TUDALAGA	11	69	34 to 100	42		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRNGATALI	11KV-BIRANGTALI	11	60	34 to 100	37		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRNGATALI	11KV-KHURAPALI	11	98	34 to 100	35		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BIRNGATALI	11KV-PURKHAPALI	11	0	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JARANGLAI	11KV-BARANGA KACHHAR	11	77	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JARANGLAI	11KV-ITMA	11	52	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	JARANGLAI	11KV-JHARMUNDA	11	58	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JHARBEDA	11KV-JAMPALI	11	28	34 to 100	58		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JHARBEDA	11KV-JHARBEDA NEW	11	10	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	JHARBEDA	11KV-SONA KHAN	11	104	34 to 100	33		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUTURA	11KV-GARPOSHI	11	78	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUTURA	11KV-JARBEDA	11	50	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUTURA	11KV-KUTURA	11	15	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUTURA	11KV-LANJIBERNA	11	232	34 to 100	128		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SAHAJBAHAL	11KV-EKMA	11	31	34 to 100	15		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SAHAJBAHAL	11KV-PANCHORA	11	72	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SAHAJBAHAL	11KV-SINGARMUNDA	11	95	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONDEGA	11KV-LULKIDIHI	11	10	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONDEGA	11KV-SAGBAHAL	11	34	34 to 100	6		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BONDEGA	BANDEGA FEEDER	11	19	34 to 100	50		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KARAMDIHI	11KV - SUBALAYA	11	75	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KARAMDIHI	11KV- PANCHMAHAL	11	35	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KARAMDIHI	11KV-HAMIRPUR	11	24	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KARAMDIHI	11KV-KARAMDIHI	11	43	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALISANKARA	11KV-BALISANKARA	11	76	34 to 100	44		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALISANKARA	11KV-BUDABAHAL	11	68	34 to 100	9		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BALISANKARA	11KV-JAMUNA	11	40	34 to 100	14		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	COLLEGE	11KV- COLLEGE	11	15	34 to 100	205		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	COLLEGE	11KV-HOSPITAL	11	4	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	COLLEGE	11KV-RRIT	11	6	34 to 100	52		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUNDUKELA	11KV - KINJIRMA	11	88	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUNDUKELA	11KV- BHASMA	11	37	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KUNDUKELA	11KV- DEULI	11	32	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAJHAPADA	11KV-DHARUADIH	11	64	34 to 100	29		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	MAJHAPADA	11KV-KULTA	11	48	34 to 100	28		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAJHAPADA	11KV-MAJHAPADA	11	86	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MAJHAPADA	11KV-SALEPALI/BIRBIRA	11	76	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-BARGAD	11	8	34 to 100	5		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-KUNDUKELA	11	68	34 to 100	79		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-PATRAPALI	11	14	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-PMU	11	6	34 to 100	261		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-SANKARA	11	12	34 to 100	128		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SANKARA	11KV-TOWN-1	11	11	34 to 100	198		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SUBDEGA	11KV- BALISANKRA	11	68	34 to 100	23		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SUBDEGA	11KV- DEOGAON	11	55	34 to 100	7		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SUBDEGA	11KV- SUBDEGA	11	49	34 to 100	39		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SUBDEGA	11KV- TANGARGAON	11	244	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SUBDEGA	11KV-ROULDEGA	11	86	34 to 100	77		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BILEIMUNDA	11KV-BADHIBAHAL	11	73	34 to 100	40		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BILEIMUNDA	11KV-JHARPALAM	11	28	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	BILEIMUNDA	11KV-TAPARIA	11	60	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DARLIPALI	11KV-DARLIPALI	11	18	34 to 100	53		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DARLIPALI	11KV-GHANTIMAL	11	21	34 to 100	12		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DARLIPALI	11KV-KANAKTURA	11	19	34 to 100	21		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	DARLIPALI	11KV-RUHIDIHI	11	37	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GARJANBAHAL	11KV-DUDUKA	11	59	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GARJANBAHAL	11KV-GARJANBAHAL	11	24	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GARJANBAHAL	11KV-GOPALPUR	11	97	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	GARJANBAHAL	11KV-HEMGIRI-DURUBAGA	11	43	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up

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ROURKELA	GARJANBAHAL	11KV-KALMEK	11	23	34 to 100	20		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HEMGIRI	11KV-KANIKA	11	133	34 to 100	64		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	HEMGIRI	11KV-NEW HEMGIRI	11	55	34 to 100	36		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KINJIRKELA	11KV_BANDHABAHAL	11	99	34 to 100	30		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KINJIRKELA	11KV_KHARUABAHAL	11	128	34 to 100	13		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KINJIRKELA	11KV_KINJIRKELA	11	585	34 to 100	61		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	KINJIRKELA	11KV_SIKAJORE	11	0	34 to 100	0		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LEPHRIPADA	11KV_CHHETANPALI	11	90	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LEPHRIPADA	11KV_DUMABHALA	11	254	34 to 100	51		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LEPHRIPADA	11KV_GUNDIADIHI	11	111	34 to 100	45		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LEPHRIPADA	11KV_KULABIRA	11	68	34 to 100	16		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	LEPHRIPADA	11KV_LEFRIPADA	11	29	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANGASPUR	11KV-DARLIPALI-BILEIGARH	11	25	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANGASPUR	11KV-MANGASPUR	11	18	34 to 100	24		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	MANGASPUR	11KV-REMANDA	11	13	34 to 100	11		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SADAR	11KV_BAILJORI	11	98	34 to 100	54		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SADAR	11KV_BANDHAPALI	11	81	34 to 100	46		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SADAR	11KV_KALOBAHAL	11	69	34 to 100	48		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SADAR	11KV_SADAR	11	2	34 to 100	3		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SARGIPALI	11KV-BHARATPUR	11	9	34 to 100	10		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SARGIPALI	11KV-JHARGAON	11	24	34 to 100	18		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SARGIPALI	11KV-OLD MANGASPUR	11	33	34 to 100	22		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	SARGIPALI	11KV-SARGIPALI	11	60	34 to 100	41		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TUMAPALI	11KV-JHARIAPALI	11	25	34 to 100	26		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TUMAPALI	11KV-TANGARPALI	11	34	34 to 100	32		80-120	MS Joist/PCC Poles	To be taken up
ROURKELA	TUMAPALI	11KV-UJJALPUR	11	9	34 to 100	17		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Barkote	BARKOTE	33	5.5	100 sq.mm-6 Ckm	32		80-120	MS Joist/PCC Poles	To be taken up

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Sambalpur	132/33kV Barkote	BHAKTABADKUDAR	33	15.54	100 sq.mm-6 Ckm148 sq.mm-10 Ckm	50		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Barkote	DEOGARH	33	7	100 sq.mm-60 Ckm148 sq.mm-15 Ckm	126		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Barkote	MEGALIFT-II (AMBAKATA)	33	2.5	100	118		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Barkote	MEGALLIFT-I (JANGLA & MASHINTA)	33	1	100	91		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33 kV Brajrajnagar	BRAJRAJNAGAR	33	2	148 sq.mm-2 Ckm	163		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33 kV Brajrajnagar	OCPL	33	16.53	100-1Ckm,232-4 Ckm,80-13 Ckm	33		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33 kV Brajrajnagar	OPGC	33	35	100 sq.mm-35 Ckm	114		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33 kV Brajrajnagar	TRL-1	33	14.5	100-15 Ckm	120		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33 kV Brajrajnagar	TRL-2	33	17.5	100-116Ckm,80-3Ckm	120		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Buddhipadar	AIRPORT	33	22.62	100 sq.mm-19 Ckm232 sq.mm-10 Ckm3CX400 sq.mm-U/G-1 Ckm	155		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Buddhipadar	BAGDEHI	33	43.74	232 sq.mm-44 Ckm	127		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Buddhipadar	INDUSTRIAL-I	33	35.95	100 sq.mm-40 Ckm232 sq.mm-7 Ckm	197		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Buddhipadar	INDUSTRIAL-II	33	8	100 sq.mm-4 Ckm232 sq.mm-4 Ckm	56		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Chipilima	DHAMA_1	33	108.1	100 sq.mm-30 Ckm148 sq.mm-12 Ckm232 sq.mm-19 Ckm80 sq.mm-38 Ckm	131		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Hirakud	BURLA HIRAKUD	33	0.2	400	0		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Hirakud	HIRAKUD	33	0.2	400	0		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Hirakud	REMED	33	5.5	232 sq.mm-6 Ckm	1		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Sarasmal	AIRPORT SARASMAL	33	17	10	1		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Sarasmal	JHARSUGUDA FDR	33	0.03	100 sq.mm-20 Ckm	311		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Sarasmal	KOLABIRA	33	25.96	148 sq.mm-12 Ckm80 sq.mm-27 Ckm	281	Overloaded	80-120	MS Joist/PCC Poles	To be taken up

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Sambalpur	132/33kV Sarasmal	SARBAHAL	33	3.4	148 sq.mm-3 Ckm	131		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Katapali	BURLA FDR	33	18	100-12Ckm,232-6 Ckm	167		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Katapali	CHAURPUR	33	47.3	232 sq.mm-47 Ckm	105		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Katapali	GM MCL	33	3	100 sq.mm-3 Ckm	28		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Katapali	JYOTI VIHAR.	33	4.589	148 sq.mm-5 Ckm	38		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Katapali	MEDICAL	33	7	100-1Ckm,232-6 Ckm	45		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Khadakata	KHANDAKATA	33	84.1	100 sq.mm-50 Ckm148 sq.mm-32 Ckm	144		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Khadakata	KUCHINDA	33	89.55	100 sq.mm-45 Ckm148 sq.mm-8 Ckm55 sq.mm-20 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Khadakata	LAIKERA	33	49.12	100 sq.mm-43 Ckm148 sq.mm-15 Ckm	171		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Khadakata	MEGALIFT	33	7	100-14 Ckm	54		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Lapanga	KATARBAGA	33	26.2	100 sq.mm-32 Ckm	58		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Lapanga	LAPANGA	33	2	100 sq.mm-3 Ckm	44		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Lapanga	RENGALI FDR	33	24	232 sq.mm-26 Ckm	131		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Maneswar	MANESWAR	33	5.8	232 sq.mm-5 Ckm	45		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Maneswar	PADIABAHAL	33	20	232 sq.mm-15 Ckm	67		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Punjipathar	LAKHANPUR	33	3.75	100-232	7		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Punjipathar	PANCHGAON	33	88.36	100-232	177		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Rairakhol	KADALIGARH	33	13.75	148	26		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Rairakhol	NAKTIDEUL	33	71.5	148 sq.mm-37 Ckm80 sq.mm-35 Ckm	63		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Rairakhol	RAIRAKHOL FDR	33	3	80 sq.mm-4 Ckm	82		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Ainthapali	AINTHAPALI	33	3.5	232 sq.mm-4 Ckm	470		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Ainthapali	CHEDUAPADA	33	20.45	100-1Ckm,148-1Ckm,232-8Ckm	227		80-120	MS Joist/PCC Poles	To be taken up

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					3CX95 sq.mm-U/G-1 Ckm					
Sambalpur	132/33kV Ainthapali	IOCL.	33	15	232 sq.mm-15 Ckm	51		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Ainthapali	PUTIBANDH	33	9	232 sq.mm-9 Ckm	522	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Ainthapali	SASON	33	33.1	232 sq.mm-29 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Ainthapali	VEDANT	33	20	148 sq.mm-20 Ckm	109		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Sunamunda	DEOGARH SUNAMUNDA	33	22.45	100-232	122		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Sunamunda	REAMAL SUNAMUNDA	33	67.7	100-232	88		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Rengali	BUDHAPALI	33	25.25	100 sq.mm-25 Ckm	19		80-120	MS Joist/PCC Poles	To be taken up
Sambalpur	132/33kV Bamra	JHARIABAHAL	33	39	100-232	87		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV B M Pur	BM PUR - NEW	33	2.205	100-232	103		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV B M Pur	MEGALIFT SUBALAYA	33	4.7	100-232	15		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV B M Pur	SUBALAYA - NEW	33	13.7	100-232	84		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV B M Pur	ULLUNDA - NEW	33	55	100-232	147		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Barpali	AGALPUR (MELECHHAMUNDA)	33	56.55	100-19Ckm,80-30.15 Ckm,148-7.8Ckm	331	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Barpali	PANDIKITAL	33	42.9	100-14Ckm,148-4Ckm,232-13 Ckm	300		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kantabanji	GUDIGHAT	33	15	173 Sq.mm-15 Ckm	50		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kantabanji	INDUSTRIAL	33	5.3	100 sq.mm-5 Ckm3CX120 sq.mm-U/G-1 Ckm	11		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kantabanji	KANTABHANJHI	33	4	100 sq.mm-2 Ckm232 sq.mm-2 Ckm	127		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kantabanji	MURIBAHAL	33	34	100 sq.mm-34 Ckm	69		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kantabanji	TUREKELA	33	25.4	100 sq.mm-7 Ckm80 sq.mm-18 Ckm	81		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Kesinga	TITLAGARGH(KESINGA)	33	83.2	100 sq.mm-58 Ckm148 sq.mm-1 Ckm173 Sq.mm-11 Ckm232 sq.mm-14 Ckm	324		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sadeipali	BPCL	33	4	100 sq.mm-4 Ckm	7		80-120	MS Joist/PCC Poles	To be taken up

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Bolangir	132/33kV Sadeipali	MADHIAPALI	33	37.4	100 sq.mm-23 Ckm148 sq.mm-14 Ckm	197		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sadeipali	MEDICAL- BBMCH	33	7	100	13		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	BARPALI(BOLANGIR)	33	46.79	100 sq.mm-29 Ckm148 sq.mm-18 Ckm80 sq.mm-10 Ckm	288	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	BOLANGIR	33	0.01	80 sq.mm-0.5Ckm	141		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	BOUDH	33	18.05	148 sq.mm-8 Ckm232 sq.mm-2 Ckm80 sq.mm-8 Ckm	225		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	DUMERBAHAL	33	3.02	80 sq.mm-3 Ckm	8		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	DUNGRI PALI	33	46.9	100 sq.mm-18 Ckm232 sq.mm-15 Ckm55 sq.mm-3 Ckm	294		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	IDCO	33	6	100 sq.mm-6 Ckm	0		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	PATNAGARH	33	26	100 sq.mm-26 Ckm	115		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Old Bolangir	TITLAGARH(BOLANGIR)	33	5.4	100 sq.mm-5 Ckm	160		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	DHUMABHATA	33	24	232 sq.mm-24 Ckm	71		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	GHUMER	33	24	100 sq.mm-24 Ckm	98		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	JURIA (PADAMPUR)	33	22	100-148	20		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	KHAPARAKHOL	33	42.6	100 sq.mm-19 Ckm80 sq.mm-24 Ckm	110		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	PATNAGARH RAMPUR	33	55.57	100-148	360		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Rampur (Patnagarh)	TENDAPADAR	33	3	80 sq.mm-3 Ckm	56		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sonpur	BINKA	33	37	148 sq.mm-11 Ckm232 sq.mm-26 Ckm	272		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sonpur	BIRAMAHARJPUR	33	7.35	100 sq.mm-52 Ckm	20		80-120	MS Joist/PCC Poles	To be taken up

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Bolangir	132/33kV Sonpur	DUMBERHAL(SONEPUR)	33	87.3	100 sq.mm-49 Ckm232 sq.mm-38 Ckm	8		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sonpur	NANDANMAL	33	89	100 sq.mm-89 Ckm	16		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Sonpur	SONEPUR	33	1.2	55 sq.mm-4 Ckm	167		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Tusra	DEOGAON	33	64	100 -11Ckm,148-41Ckm,173-12 Ckm	200		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Tusra	MEGA PROJECT IRRIGATION- 3	33	15	100-15 Ckm	55		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Tusra	MEGA PROJECT IRRIGATION-1	33	65	100 sq.mm-65 Ckm	176		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Tusra	MEGA PROJECT IRRIGATION-2	33	10	100-10 Ckm	15		80-120	MS Joist/PCC Poles	To be taken up
Bolangir	132/33kV Tusra	TUSURA	33	1.5	173 Sq.mm-2 Ckm	166		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Barpali	BARPALI	33	4.5	100-15 Ckm	334	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Barpali	SARANDAPALI	33	46.23	55-22.9Ckm,100-8Ckm,173-15.27Ckm	243	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Chipilima	GOSHALA	33	17.22	148 sq.mm-1 Ckm232 sq.mm-29 Ckm	333		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Chorgrindola	BHUKTA	33	83.8001	100-232	231		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Ghenss	BIJEPUR	33	29.2001	148 sq.mm-19 Ckm	424	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Ghenss	GHENSS	33	0.5601	173 Sq.mm-6 Ckm	236		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Ghenss	MELCHHAMUNDA	33	28.1	55-173	224		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Ghenss	SOHELA	33	23	173 Sq.mm-17 Ckm	450		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Katapali	ATTABIRA	33	38.7	100 sq.mm-22 Ckm148 sq.mm-3 Ckm173 Sq.mm-15 Ckm232 sq.mm-42 Ckm55 sq.mm-6 Ckm	305	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Desh Bhatli	KHUNTLIPALI	33	10	100-232	70		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Desh Bhatli	MAHULPALI	33	12.2	100-232	89		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Desh Bhatli	THUAPALI	33	32.022	100-232	190		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Padampur	DAHITA	33	12	148- 1 Ckm	36		80-120	MS Joist/PCC Poles	To be taken up

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Bargarh	132/33kV Padampur	GAISILET	33	39.5	100 sq.mm-6 Ckm	154		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Padampur	LAKHMARA	33	53.6	148 sq.mm-2 Ckm	249		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Padampur	PADAMPUR	33	3.0001	232 sq.mm-6 Ckm	178		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Padampur	PAIKMAL	33	91.0001	100 sq.mm-48 Ckm148 sq.mm-8 Ckm173 Sq.mm-30 Ckm55 sq.mm-8 Ckm	272		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Pradhanpali	4 POLE	33	46.9101	100 sq.mm-34 Ckm148 sq.mm-18 Ckm	338		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Pradhanpali	DUNGURI	33	40.885	100 sq.mm-2 Ckm148 sq.mm-12 Ckm173 Sq.mm-16 Ckm232 sq.mm-136 Ckm55 sq.mm-2 Ckm80 sq.mm-7 Ckm	427		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Pradhanpali	TORA	33	5.3401	148 sq.mm-11 Ckm	140		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Pradhanpali	TOWN	33	3.07	232 sq.mm-6 Ckm80 sq.mm-22 Ckm	451		80-120	MS Joist/PCC Poles	To be taken up
Bargarh	132/33kV Pradhanpali	TURUNGA	33	40.9301	148 sq.mm-6 Ckm232 sq.mm-43 Ckm	553	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Bhangbari	BHANGBARI	33	5.16	100-0.2 Ckm	32		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Bhangbari	TOWN FEEDER 1	33	35.83	100 sq.mm-20 Ckm148 sq.mm-10 Ckm55 sq.mm-6 Ckm	208		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Bhangbari	TOWN FEEDER 2	33	3	100 sq.mm-3 Ckm	164		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33 KV Nuapada	BISORA	33	36	100 sq.mm-24 Ckm55 sq.mm-12 Ckm	153		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33 KV Nuapada	KHARIAR ROAD	33	33.02	100 sq.mm-33 Ckm	290	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33 KV Nuapada	NEW MEDICAL	33	9	100 sq.mm-9 Ckm	3		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Junagarh	BHAWANIPATNA	33	6	55 sq.mm-6 Ckm	13		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Junagarh	CHARBAHAL	33	36.1	100 sq.mm-36 Ckm	140		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Junagarh	DASPUR	33	25	100 sq.mm-8 Ckm148 sq.mm-17 Ckm	102		80-120	MS Joist/PCC Poles	To be taken up

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Kalahandi	132/33kV Junagarh	DHARMAGARH	33	104.04	100 sq.mm-72 Ckm148 sq.mm-31 Ckm	208		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Junagarh	JUNAGARH	33	71.8	100 sq.mm-70 Ckm148 sq.mm-2 Ckm	143		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	BELGAON	33	121.3	100 sq.mm-48 Ckm55 sq.mm-17 Ckm80 sq.mm-42 Ckm	128		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	BHAWANIPATNA 1	33	28.1	148 sq.mm-8 Ckm55 sq.mm-5 Ckm80 sq.mm-15 Ckm	52		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	BHAWANIPATNA-2	33	39	100 sq.mm-39 Ckm	82		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	KESINGA	33	1.8	80 sq.mm-2 Ckm	157		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	MEGA LIFT 1	33	10.3	100-10 Ckm	4		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	MEGA LIFT 2	33	23	100 sq.mm-23 Ckm	4		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Kesinga	NARLA	33	161.9	100 sq.mm-94 Ckm148 sq.mm-3 Ckm55 sq.mm-65 Ckm	279		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Khariar	BARGOAN (OLD NUAPADA)	33	99.82	100 sq.mm-84 Ckm148 sq.mm-16 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Khariar	BODEN	33	49.4	100 sq.mm-27 Ckm148 sq.mm-12 Ckm	66		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Khariar	KHARIAR 1	33	43.32040729	100 sq.mm-36 Ckm148 sq.mm-6 Ckm80 sq.mm-1 Ckm	184		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Khariar	KHARIAR 2	33	104.32	100 sq.mm-29 Ckm34 sq.mm-20 Ckm55 sq.mm-17 Ckm80 sq.mm-3 Ckm	295	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Tentlikhunti	MUKHIGUNDA	33	65.05	100 sq.mm-9 Ckm80 sq.mm-56 Ckm	28		80-120	MS Joist/PCC Poles	To be taken up
Kalahandi	132/33kV Baner	BADKUTRU	33	21.4	100 sq.mm-21 Ckm	144		80-120	MS Joist/PCC Poles	To be taken up

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Kalahandi	132/33kV Baner	LADUGAON	33	58.47	148 sq.mm-38 Ckm173 Sq.mm-20 Ckm	170		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Anulabahal	LEPHRIPADA	33	39.5	55-232	133		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Anulabahal	SARGIPALI ANULABAHAL	33	58.8	55-232	136		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kuarmunda	BIRMITRAPUR KUARMUNDA	33	8	100-232	1		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kuarmunda	KUARMUNDA-PURUNAPANI FEEDER	33	44.2	100-232-44.2Ckm	206		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	COLLEGE	33	4.6	148 sq.mm-5 Ckm232 sq.mm-5 Ckm	90		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	KUNDUKELA	33	17	148 sq.mm-17 Ckm	33		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	MAJHAPADA	33	23.9	148 sq.mm-23 Ckm	50		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	MEGA LIFT	33	20.5	100	68		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	NTPC MEDICAL	33	0.4	100-0.3 Ckm	10		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	SADAR(UJALPUR)	33	13	100 sq.mm-5 Ckm232 sq.mm-8 Ckm	54		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	SANKARA	33	0.5	232 sq.mm-1 Ckm	210		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	SARGIPALI (KFM)	33	15	100-15 Ckm	10		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	SUBDEGA	33	93.1	100 sq.mm-26 Ckm232 sq.mm-1 Ckm55 sq.mm-27 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Sundargarh	SUNDARGARH(BADAGAON)	33	57	100 sq.mm-8 Ckm148 sq.mm-17 Ckm	170		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Barkote	MAHULDIHA	33	35	100-12Ckm,232-35Ckm	30		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Bonai	BONAI	33	58.21	100 sq.mm-32 Ckm232 sq.mm-28 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Bonai	K BALANG	33	45	148 sq.mm-25 Ckm	23		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Bonai	MEGALIFT	33	13.948	100-14 Ckm	17		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Bonai	RAJAMUNDA	33	7	100 sq.mm-5 Ckm232 sq.mm-2 Ckm	105		80-120	MS Joist/PCC Poles	To be taken up

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
Rourkela	132/33 kV Brajrajnagar	ARYAN	33	55	100 sq.mm-31 Ckm148 sq.mm-27 Ckm	69		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33 kV Brajrajnagar	NTPC-1	33	20.8	100 sq.mm-21 Ckm232 sq.mm-8 Ckm	1		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33 kV Brajrajnagar	NTPC-2	33	21	100 sq.mm-21 Ckm	1		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33 kV Brajrajnagar	SARGIPALI	33	28	100 sq.mm-33 Ckm148 sq.mm-33 Ckm80 sq.mm-38 Ckm	34		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	BASANTI	33	3.2	232	137		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	BIRAMITRAPUR	33	56.55	100 sq.mm-28 Ckm232 sq.mm-28 Ckm	341	Overloaded	80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	CHHEND	33	3.36	232 sq.mm-5 Ckm	136		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	HOCKEY DEDICATED	33	2.856	232	11		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	INDUSTRIAL(KUARMUNDA)	33	29.33226762	100-1Ckm,148-2Ckm,232-28 Ckm	336		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	KALINGA VIHAR	33	2.3	232	103		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	KOELNAGAR	33	24.86	232 sq.mm-16 Ckm	378		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	PURUNAPANI	33	33.1	100 sq.mm-51 Ckm	66		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	REC	33	57.0998	100 sq.mm-29 Ckm148 sq.mm-19 Ckm232 sq.mm-13 Ckm80 sq.mm-2 Ckm	294		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Chhend	VEDVAYAS	33	23.2	100 sq.mm-8 Ckm232 sq.mm-9 Ckm3CX95 sq.mm-U/G-1 Ckm	294		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Joda	TENSA 33KV	33	39.78	100 sq.mm-21 Ckm232 sq.mm-46 Ckm	210		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kalunga	BALANDA	33	6.738	148 sq.mm-7 Ckm	42		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kalunga	IDC INDUSTRIAL	33	12.14	232	377		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kalunga	IDC KALUNGA	33	4.434	232 sq.mm-4 Ckm3CX95 sq.mm-U/G-0 Ckm	272		80-120	MS Joist/PCC Poles	To be taken up

Name of Circle/ District & Division	From	To	Voltage level (kV)	Single circuit or Double circuit or more no. of circuit & Length of line (KM)	Type (AAAC) & size (SQMM) of conductor	Line Load in (Amp)	Line overloaded or not (based on load flow study/based on operation feedback)	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/PCC/Steel pole/ other type)	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]
Rourkela	132/33kV Kalunga	KALUNGA	33	13.98	232	294		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kalunga	MAHAVIR	33	4	100 sq.mm-4 Ckm	148		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Kalunga	RELIABLE	33	2.2	232 sq.mm-2 Ckm	251		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rajgangpur	KUTRA	33	68.25726762	100-1Ckm,148-21Ckm,232-45Ckm	378		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rajgangpur	RAJGANGPUR	33	2.1	100-0.6 Ckm, 232-2 Ckm	147		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rajgangpur	ROURKELA-1	33	34.65	100 sq.mm-18 Ckm232 sq.mm-15 Ckm80 sq.mm-2 Ckm	357		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rajgangpur	ROURKELA-2	33	22.17	100 sq.mm-9 Ckm232 sq.mm-13 Ckm80 sq.mm-3 Ckm	297		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rajgangpur	SUNDARGARH	33	47.800015	100-11 Ckm,148-21Ckm,173-10 Ckm,232-8 Ckm,55-8 Ckm	184		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	BONAI INDUSTRIAL	33	33.1	100 sq.mm-8 Ckm232 sq.mm-23 Ckm	337		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	DIVISIONAL ENGINEER	33	8	100	37		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	IDC	33	12.6	100-11Ckm,148-1 Ckm	126		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	INDUSTRIAL ESTATE	33	6.8	100-1Ckm,232-10 Ckm	20		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	LATHIKATA	33	18.68	100-18Ckm,148-1 Ckm	168		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	PHD	33	5.6	100	126		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	PILOT PROJECT	33	9.87	232	79		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	RK TOWN 1 BONDMUNDA	33	11.35	148 sq.mm-1 Ckm232 sq.mm-9 Ckm3CX400 sq.mm-U/G-1 Ckm	126		80-120	MS Joist/PCC Poles	To be taken up
Rourkela	132/33kV Rourkela	RKL TOWN POWERHOUSE	33	0.3	232 sq.mm-0.4 Ckm	336		80-120	MS Joist/PCC Poles	To be taken up

Annexure -5 Proposed new lines at 33 KV & 11 KV level based on load flow study.

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Bolangir	33kV New feeder from Upcoming GSS Agalpur Barpali 33kv feeder line taping Point for Loisinga PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder from Upcoming GSS Agalpur Barpali 33kv feeder line taping Point for Chattamakhna PSS	33 kV	1.8	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder Dumerbahal 33kv feeder line taping Point for hardakhol PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder Dumerbahal 33kv feeder line taping Point for Dubla PSS	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder Dumerbahal 33kv feeder line taping Point for Nandanmal PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder Dumerbahal 33kv feeder line taping Point for Dumerbahal PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	33kV Link Line from Powerhouse PSS to industrial State PSS	33 kV	5	400SQMM CABLE	60 M	RSJ	to be taken up	Y	
Bolangir	New link line from Madhiapali PSS to Jail PSS	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	Behrapali feeder to Balangir Medical Hospital (BBMC)	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bolangir	Behrapali feeder to Balangir Teaching Hospital (BBMC)	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	33kV new Line from Upcoming M Rampur GSS to Madanpur PSS	33 kV	7	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	33kV new Line from Upcoming M Rampur GSS to M Rampur PSS	33 kV	8	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
KALAHANDI	33KV NEW LINK LINE FROM BADKUTRU TO KALAMPUR	33 kV	12	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
KALAHANDI	33KV NEW LINE FROM SAGADA PHD TO KGN GAS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
KALAHANDI	Borda to Kegaon	33 kV	20	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
KALAHANDI	33KV NEW LINE FOR LILO ARRANGEMENT OF PSS BARGAON.	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV New Link line from Seven Star Tapping to IOCL	33 kV	8	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV new Link line from Sarbahal PSS to Badmal PSS for N-1 Reliability	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV New line from Budhipadar GSS to Sarasmal PSS	33 kV	9.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Sambalpur	33kV Link line from Kolabira feeder to Budhapadar PSS (New Charged)	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV link line from Putibandh to Jail Chowk PSS	33 kV	7	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV LILO arrangement for Kusmi and Laida PSS	33 kV	0.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV New Link line from Ainthapali Chowk to Ainthapali PSS (630 Sqmm Cable)	33 kV	1.5	630SQMM CABLE	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV New Link line from Seven Star Tapping to IOCL	33 kV	8	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV new Link line from Sarbahal PSS to Badmal PSS for N-1 Reliability	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV New line from Budhipadar GSS to Sarasmal PSS	33 kV	9.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV Link line from Kolabira feeder to Budhapada PSS (New Charged)	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33kV LILO arrangement for Kusmi and Laida PSS	33 kV	0.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	LILO ARRANGEMENT AT GANDHICHOWK PSS WITH 33 KV INCOMMING SUPPLY TO GANDHICHOWK PSS AND NEW LINK LINE TO OCPL FEEDER WITH BREAKER ARRANGEMENT AT GANDHICHOWK PSS	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	33 KV NEW LINK LINE FROM NTPC FEEDER TO BRAJRAJNAGAR PSS WITH LILO ARRANGEMENT AT BRAJRAJNAGAR PSS AND THAN TO GANDHICHOWK PSS THROUGH NTPC FEEDER WITH BREAKER ARRANGEMENT AT BRAJRAJNAGAR PSS	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33KV NEW LINE FROM LAKHANPUR PSS TO NUABANDH FOR CONNECTING THE MEGALIFT GOBINDPUR AND GOBINDPUR PSS.	33 kV	8	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33 KV NEW LINE FROM GOBINDPUR PSS LINK TO PANCHGAON 33 KV FEEDER	33 kV	4.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	33KV INTER LINK LINE FROM 33KV ARYAN FEEDER TO MUCHBAHAL PSS	33 kV	6	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	New 33 KV Line from Bhatli (Chorgrindola) GSS to Bhatli PSS	33 kV	14	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	Udeypali tapping to Dasmile PSS for resolving overloading of 33KV Turunga Feeder (HRF)	33 kV	15	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	Additional source to Division-1&2 PSS from Dunguri feeder with breaker for catering summer load	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	Gangei to Ambabhona with breaker (LILO line) (33KV Bhukta Feeder)	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Bargarh	Diversion of Dunguri line before Dunguri PSS	33 kV	3	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33kV New Link line from Majhapada feeder (at a distance 500 mtr from GSS) to Sankara PSS for N-1	33 kV	0.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	New 33 KV Line from Kuarmunda GSS to Existing Kuarmunda Industrial 33kV Feeder at T-off PAWANJAY SPONGE	33 kV	9.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33kv new line from 33/11kv Balanda PSS to link with 33kv Kalunga feeder (With LILO arrangement)	33 kV	0.7	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33KV new line from Bamra GSS to Link with existing 33kv Bamra feeder	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33KV New Line from Lindera PSS to Mega Lift	33 kV	6	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Rourkela GSS to Udit Nagar PSS (Cable)	33 kV	3.5	400	60 M	RSJ	to be taken up	Y	
Rourkela	Link Line from Town-1 feeder to Powerhouse PSS for N-1 of Powerhouse PSS. (500 mtr-232)	33 kV	0.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Standby O/H conductor for existing 33 KV underground at MS Pali PSS.	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Link line from Hamirpur PSS to Lendra PSS	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Bonai PSS to Poigaon With river crossing	33 kV	12	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33kV New Line from Joda GSS to Tensa PSS	33 kV	30.3	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Shifting of 33KV Pilot Project and Industrial Estate feeder near Subhas Bose Park	33 kV	3.5	232SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	33KV link line (Cable) from Purnapani feeder for N-1 reliability of Kalinga Vihar PSS and arrangement of standby O/H conductor	33 kV	2.5	232SQMM AAAC and 400SQMM CABLE	60 M	RSJ	to be taken up	Y	
Rourkela	33KV UG cable instead of O/H conductor for IDC feeder at NH crossing	33 kV	0.3	400SQMM CABLE	60 M	RSJ	to be taken up	Y	
Bolangir	33kV New feeder from Upcoming GSS Agalpur Barpali 33kv feeder line taping Point for Agalpur PSS	33 kV	2.5	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kv New Feeder Barpali 33kv feeder line taping Point for Salevata PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kV New Line from Upcoming GSS Sarasmal (Binka) to Binka PSS	33 kV	10	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kV New Line from Upcoming GSS Sarasmal (Binka) to Pandkital PSS	33 kV	17	232SQMM AAAC	60 M	RSJ	to be taken up		Y

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Bolangir	33kV New Line from Upcoming GSS Sarasmal (Binka) to Ainlachat PSS	33 kV	12	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kV Link Line from 33kV ODSSP Proposed Feeder Saintala (at a distance of 500 mtr) to Tusura PSS	33 kV	1.5	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kV Link line from Birmahrajpur Feeder (T-Off Ganpati Consumer) to Sonepur PSS	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bolangir	33kV Link line from Kantabanjhi Feeder (at a distance of 1.8Ckm) to33kV Industrial feeder	33 kV	1	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Kalahandi	33kV new Line from Upcoming M Rampur GSS to Karlamunda PSS	33 kV	22	232SQMM AAAC	60 M	RSJ	to be taken up		Y
KALAHANDI	Charbahal 33kv line hatinadi to chichiguda	33 kV	5	232SQMM AAAC	60 M	RSJ	to be taken up		Y
KALAHANDI	Kalampur to TH Rampur LILO	33 kV	4	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Sambalpur	33kV New Link Line Naktiduel PSS to Teleimunda PSS for N-1 reliability	33 kV	22	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	LILO of Paikmal to Jharbandh section at upcoming Jharbandh GSS	33 kV	9	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	New 33 KV Line from upcoming Jharbandh GSS to Dova PSS	33 kV	17	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	New 33kV Link Line from Attabira PSS to Tangarpali PSS	33 kV	15	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Larambha PSS to Godbhaga PSS	33 kV	13	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Melchhamunda PSS to Gaisilet PSS	33 kV	20	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Dahita PSS to Juria PSS	33 kV	10	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	Link Line from Bondamunda PSS to Bisra PSS	33 kV	15	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	Civil Township Gurudwara to Civil Township PSS by cable connectivity and 3-way RMU for N-1 reliability	33 kV	2	400SQMM CABLE	60 M	RSJ	to be taken up		Y
Rourkela	33KV new line from Barsuan PSS to Tensa PSS	33 kV	17	232SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	Hockey Chowk to Panposh PSS cable connectivity with 4-way RMU for N-1 reliability	33 kV	0.5	400SQMM CABLE	60 M	RSJ	to be taken up		Y
Balangir	11kv Aug of Railway Cable crossing from "11KV-BHALER-106" to 11KV-BHALER-107	11kV	0.07	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	11kv link line Propose from Chudapali PSS to sailbahal village node "1346"	11kV	11	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	Behrapali To Puintala	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Balangir	Madhiapali To Rinbachan at Sauntpur Feeder	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	11kv Jaloi New link line Propose from Hikudi PSS to "11KV_JALOI-179" node near Jaloi village	11kV	10	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	11kv Thengo New link line Propose from node "1164" ullunda to "11KV-THENGO-454" node	11kV	5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	from electric office to MACHHA BAZAR 500 kVA	11kV	0.15	XLPE- 3Cx300 SQ.MM	60 M	RSJ	to be taken up	Y	
Balangir	from T- off KUKUDAHAD TOWER 25 Kva to SOUBHAGYA KUKUDAHAD SCHOOL T- off 63 kVA	11kV	0.1	XLPE- 3Cx300 SQ.MM	60 M	RSJ	to be taken up	Y	
Kalahandi	New of 11 kV line from in Sinapali PSS (KIRKITA FEEDER) to JHANKARGUDA-5 63 KVA DTR nearly	11kV	8	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	2.5ckm from Kusadungri PSS to college chowk tapping	11kV	2.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	3.5CKM 11kv New line from Utkela PSS to Near KOKODMAL 4 Tapping Point	11kV	3.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	11KV NEW LINE NEAR ASHA SAGAR Pada	11kV	2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	Utkela to Jolko	11kV	12	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Kalahandi	Kesinga Hospital to Phatak Kesinga	11kV	2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	Kalibadi to Town police station 11 KV new line to divert the existing line from Kubharpada on safety ground	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	11 KV Dhanupali feeder diversion from Bhatra Petrol pump to Khadual village S/S to (SBP- Sonepur) roadside	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	11 KV (N-1) link line between Brooks hill feeder and Sakhipada feeder	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	From PSS to t - off DEOGAON OLIC 25kVA	11kV	4.2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV NEW line from PSS to LI GUMLOI-2 DTR	11kV	8	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV NEW line from PSS to COLLEGE DTR	11kV	2.5	XLPE- 3Cx300 SQ.MM	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV 100 SQMM NEW LINE FROM REMED PSS TO ADARSH MARG	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	11KV NEW FEEDER FROM GIRL'S SCHOOL TO BIFURCATE JSG-1 FEEDER	11kV	5.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV LINE WITH 55sqmm AAAC FROM KUCHLAPALI TO MAHULPALI	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
SAMBALPUR	11 KV LINE FROM KESEIBAHAL TO SOLBAGA	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV LINE FROM JYOTIPADA TO JHULENPOLL	11kV	2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV LINE FROM CHALAPADA TO GARDEGA	11kV	4	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
SAMBALPUR	11KV LINE FROM BADULDIHI TO SARGIDIHI	11kV	4	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	11 KV New line for installation of a new 315 KVA, 11/0.4 S/S (CN approved by Chief Operation)	11kV	0.9	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	11 KV New line for installation of a new 100 KVA, 11/0.4 S/S (CN approved by Chief Operation)	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	REALIBILTY	11kV	1.2	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	INTER LINK FROM GANDHICHHOCK PSS TO JUNADIHI FEEDER UNDER GUMADERA SECTION BELPAHAR SUB-DIVISION.	11kV	5	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	existing line crossing on r roof of public for safety concern the line diversion required	11kV	0.5	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	feeder bifurcation	11kV	7	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	TO PROVIDE DEDICATED POWER SUPPLY TO LAKHANPUR HOSPITAL & BLOCK OFFICE	11kV	1.5	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	LOAD DIVERTION FROM RURAL FEEDER FOR SEGRIGATION OF URBAN AND RURAL FEEDER	11kV	3	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	2nd source of supply	11kV	10	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	feeder bifurcation	11kV	4	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	2nd source of supply	11kV	10	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	LOAD BIFURCATION	11kV	7	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	LOAD BIFURCATION	11kV	6	100sqmm AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	LOAD BIFURCATION	11kV	9	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	New of 11 kV line from in GANDHICHOWK PSS to SOMBAR BAZAR 250 KVA DTR nearly	11kV	7	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Sambalpur	New of 11 kV line from in BRAJARAJNAGAR PSS to CHANDI MANDIR PHD 250 KVA DTR nearly	11kV	5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
BARGARH	Larasara to Thupapada (Kandpali)	11kV	1.2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
BARGARH	RANGATKRA VILLAGE	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	New feeder from Division-1 PSS to Gandhi chhak	11kV	0.8	XLPE- 3Cx300 SQ.MM	60 M	RSJ	to be taken up	Y	
Bargarh	Link line between Jampali feeder & Luhurachati feeder at Tabda.	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	New feeder from Division-1 PSS to Bhatlichowk	11kV	2	XLPE- 3Cx300 SQ.MM	60 M	RSJ	to be taken up	Y	
Bargarh	Load Shifting to Sohela feeder near Balgopal Ricemill	11kV	2	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	New 11KV feeder from Bhatli PSS to Kanekbira	11kV	6.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Bargarh	Load shifting to Bartunda feeder near Talpali	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv link line from Dr. Podar to Thanapada of College feeder for load diverssion from college feeder to RRIT feeder	11kV	0.7	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	To mitigate PMU feeder, overload a 11kv new line from Sankara PSS to V-Mart DTR is required. (From V-Mart to Shishu Bhawan double ckt is existing & the new line will be connected at Shishu Bhawan DTR of PMU feeder.	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv new line from Lefripada PSS to near Dumabahal 63kva DT of existing Dumabahal feeder	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Link line from Geetpahadi to Beheradihi on Kinjirikela feeder	11kV	0.3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Near PSS to Ghumuda Ghati	11kV	2.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv link line from Vedvyash Chowk Street Light to Ahar Kendra on Gopapali feeder	11kV	0.8	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv Link line between Beldihi feeder to Kalunga-Basti feeder	11kV	0.6	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv Link line from Unitel Steel to Ashoka Ispat on Kalunga Basti feeder	11kV	1.4	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv link line from Hatibari PSS to Kairbahal Tapping point	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11kv link line on Nuagaon feeder from last DTR of Khaibandh tapping to Biringatoli village.	11kV	3.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	1.0Ckm New line from Civil Township PSS to NEXA showroom for college feeder bifurcation	11kV	1	100sqmm (Covered conductor) and AB switch	60 M	RSJ	to be taken up	Y	

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
Rourkela	0.1Ckm link line from Hanuman Vatika feeder and shifting of load from Birsa Munda feeder to Hanuman Vatika feeder	11kV	0.1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	1.2Ckm link line between College and Panposh feeder and load diversion from Panposh feeder	11kV	1.2	100sqmm AAAC and 3C,300sqmm XLPE	60 M	RSJ	to be taken up	Y	
Rourkela	Bifurcation of Sarsara feeder at 25KVA, Nagadihi DTR location by erecting 8.0Ckm new line from Tuniapali PSS	11kV	8	100sqmm AAAC and 3C,300sqmm XLPE	60 M	RSJ	to be taken up	Y	
Rourkela	1.4Ckm link line from Nayabazar feeder to 100KVA STPI DTR to bifurcate OSAP feeder	11kV	1.4	100sqmm AAAC and	60 M	RSJ	to be taken up	Y	
Rourkela	0.5Ckm link line from Shakti Nagar feeder to Shakti Nagar AB switch at ADEB feeder for shifting load to Shakti Nagar feeder from ADEB feeder.	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	1.0Ckm new line from Koel Nagar PSS to 100KVA Jhumpudi DTR for bifurcation of ADEB feeder	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	Arrangement of Spare cable section for Industrial Estate feeder at Panposh railway crossing.	11kV	0.12	3C,300sqmm	60 M	RSJ	to be taken up	Y	
Rourkela	11KV new feeder from Jareikela PSS to Bhalulata bridge to bifurcate Bhalulata feeder	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Rourkela	11KV new feeder from Dalposh PSS to Jamshera 4-pole structure	11kV	0.5	100SQMM AAAC	60 M	RSJ	to be taken up	Y	
Balangir	11kv Link Line via bharsuja feeder from “11KV_BHARSUJA-215" node at 63 kVA DTR to "11KV_NUAGAON-118" node near Babufasad Village	11kV	8	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Balangir	11kv new line Propose from Loisingha PSS to Daspali OLIC 25 Kva DTR ("11KV-NAGAON-187")	11kV	5.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Balangir	11Kv new feeder Line from Cherupali PSS to Kentekera Village (11KV-SARGUL-838)03"	11kV	7.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Kalahandi	from pss to t- off TIPIGUDA COLONY PADA 10 kva	11kV	9.2	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Kalahandi	11KV LINE LANJIGARH TO JAGANNATHPUR (TOWN TO RURAL)	11kV	7	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Sambalpur	NEW HIRMA FEEDER NEAR RWSS KANTAPALLI TO BIFURCATE HIRMA FEEDER	11kV	5.7	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Sambalpur	11KV NEW FEEDER FROM GOUNADIHI TO BIFURCATE SRIPURA FEEDER	11kV	5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
BARGARH	New feeder from Sarandapali PSS to Sarandapali Playground	11kV	2.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y

Name of Circle	Proposals (From: To)	Voltage level (kV)	Single circuit or Double circuit or more no. of circuits & Length of line (km)ALL SINGLE CKT.	Type & size (dia & area) of conductor	Design span (m)	Type of support structure (Pole/ Joist/ Lattice/ PCC/ Steel pole/ other types,	Status of mapping of line Asset [completed/in progress (% of progress)/to be taken up]	Target of completion	
								FY24-25	FY25-26
BARGARH	New feeder Melchhamunda PSS to BATTERMA	11kV	5.3	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Bandutikra 630 DSS to Bhatli Chhak	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Separation of chuahapali feeder from Paikmal PSS	11kV	1.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	New 11KV feeder from Sohela PSS to Grinjel Chhak	11kV	7	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Bargarh	Bhatli chowk to Fuse call DSS	11kV	1	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	11kv Link line from Biswanathpur to Bendrichuan	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	11kv link line between Biringatoli & Garposh FDR	11kV	2.5	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	1.0Ckm new line from C-Block feeder to 500KVA Mission school to bifurcate Jhirpani feeder	11kV	3	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	Arrangement of Spare cable section for Gangadharpali feeder at FCI over bridge	11kV	0.12	100SQMM AAAC	60 M	RSJ	to be taken up		Y
Rourkela	11KV new line from NIT PSS to Viswakarma Basti for bifurcation of Jagda feeder	11kV	2	100SQMM AAAC	60 M	RSJ	to be taken up		Y

Annexure -6A & 6B DPR of Life enhancement of network and maintaining safe horizontal / vertical clearances.

Activity Cost Summary:

Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (in Cr)	Annexure No.	Proposed Capex FY 25-26 (in Cr)	Annexure No.
Statutory, Safety and Security	i) Life enhancement of network and maintaining safe horizontal / vertical clearances	Intermediate Pole Increase of height for 11 kV and 33 kV sagging line.	5.74	Annexure-6A	5.00	Annexure-6B
		National Highway, SH & River Crossing with Guarding on 13m/14m/M+6 Type Tower- 33kV Pole (For NH & SH Crossing)	2.00		1.98	
		Replacement of Open Conductor with Covered Conductor inside forest city and high-density public area	2.00		2.00	

Cost sheet has been estimated based on the previous rates available with us, however rate may vary from time to time and accordingly cost summary will be changed.

Different no. of items to be executed has been calculated based on certain assumption/ calculation, however it may vary during execution.

Summary with work covered with proposed quantity and estimates:

Description of Work	UOM	Annexure-6A (FY 25)			Annexure-6B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr.)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr.)
Intermediate Pole with 9 Mtr PSC Pole for 11KV Line	Nos	600	0.0015	0.90	500	0.00158	0.79
Intermediate Pole with 11 Mtr RS Joist Pole for 11KV Line	Nos	415	0.0058	2.39	350	0.00602	2.11
Intermediate Pole with 11/13 Mtr RS Joist Pole for 33KV Line	Nos	380	0.0061	2.46	330	0.00639	2.11

Description of Work	UOM	Annexure-6A (FY 25)			Annexure-6B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr.)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr.)
National Highway, SH & River Crossing with Guarding on 14 Mtr Pole	Nos	10	0.05828	0.58	10	0.06097	0.61
National Highway, SH & River Crossing with Guarding on 13 Mtr Pole	Nos	9	0.05265	0.47	10	0.05508	0.55
National Highway, SH & River Crossing with Guarding on M+6 Towers	Nos	7	0.13333	0.93	6	0.13949	0.84
Conversion of Open Conductor with 100 Sq.mm Covered Conductor	Ckt.KM	6.8	0.21937	1.49	6.3	0.22949	1.45
Conversion of Open Conductor with 232 Sq.mm Covered Conductor	Ckt.KM	1.5	0.35069	0.53	1.5	0.36688	0.55
Total				**9.75**			**9.00**

Annexure – 7A & 7B DPR for Provision of Testing Equipment's & PPE

Activity Cost summary:

Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
Statutory, Safety and Security	ii) Provision of Testing Equipment & PPEs to workforce	Testing equipment & Software	6.28	Annexure-7A	5.00	Annexure-7B
		Safety Equipment (Discharge Rod, Neon Tester etc.)/ Virtual Reality uses for Switchyard Operation and Safety Training by PSCC Group/Man Lifter/ Tree Pruner (Battery Operated)	4.92		4.20	

Testing Equipment's & Software:

Sl.No.	Proposal		Annexure 7A		Annexure 7B	
			FY-25		FY-26	
		Unit Rate (Rs. Lakhs)	Qty.	Proposed budget (Rs. Lakhs)	Qty.	Proposed budget (Rs. Lakhs)
1	FDS kit for measuring Moisture content in Cellulose	30	2	60	1	30
2	Online Moisture Removal (10 kg.) with Spare cartridges	15	3	45	2	30
3	Lightning Protector for PSS	10	3	30	2	20
4	PD Indoor & Outdoor	10	4	40	3	30
5	Automated, HV Capacitance & Tan delta kit	25	4	100	3	75
6	400 Amp Clamp cum multi-meter	0.15	15	2.25	0	0
7	Online Transformer monitoring Sensor (3 Years Services)	12.5	3	25	5	37.5
8	Portable PQM Class-A meter	10	3	30	2	20
9	E-Tap for Load flow, fault calculation, Protection coordination, Earth mat design, Unbalance load flow studies & Designing compensation	25	1	25	0	0
10	Dehumidifier with controller	0.3	70	21	30	9
11	HV Power Cable testing Van	250	1	250	1	250
	TOTAL (In Lakhs)			**628.25**		**501.5**
	TOTAL (Rs. Cr..)			**6.28**		**5.02**

Safety Equipment's:

Sub-Category	Proposed Quantity FY24-25	Proposed budget FY24-25(Rs. Cr.)	Proposed Quantity FY25-26	Proposed budget FY25-26 (Rs. Cr.)	Remarks
Discharge Rod	923	1	871	1	Approximate cost based on last procurement price
Neon Tester	728	0.75	687	0.75	Approximate cost based on last procurement price
Virtual Reality uses for Switchyard Operation and Safety Training		1.5		1.5	
Man Lifter	5	1.23	3	0.78	
Tree Pruner	70	0.43	30	0.2	
Total		**4.92**		**4.2**	

Virtual Reality uses for Switchyard Operation and Safety Training

1. Background

Virtual Reality (VR) technology has gained significant popularity in various industries due to its ability to provide immersive and realistic training experiences. TPWODL is the front-line runner to adopt the new technologies and VR can be a valuable tool to enhance the effectiveness and efficiency of the training programs. TPWODL is submitting a proposal outline about the potential uses of VR in switchyard operation training and safety training, highlighting the benefits and the proposed implementation plan is as mentioned below: -

2. Uses of VR in Switchyard Operation Training:

a. Hands-on Simulations: VR can create realistic virtual environments that mimic the conditions and challenges of switchyard operations. Trainees & erstwhile employees can practice various tasks, such as equipment inspections, maintenance procedures, and emergency response, in a safe and controlled virtual environment.

b. Equipment Familiarization: VR can help trainees and erstwhile employee to become familiar with the various equipment and components used in switchyards without direct physical interaction. They can interact with 3D models of different equipment, understand their functions, and learn how to operate them effectively.

c. Procedural and SOP Training: VR can simulate the procedural and SOPs workflow of switchyard operations, allowing trainees and erstwhile employees to learn and practice standard operating procedures step-by-step. This can improve their understanding of the operations and enhance their ability to follow proper protocols.

3. Uses of VR in Safety Training:

a. Hazard Recognition: VR can recreate hazardous situations and scenarios in a virtual environment, allowing trainees to identify and assess potential safety hazards. This enables them to develop effective hazard recognition skills, enhancing overall safety awareness.

b. Emergency Response Training: VR can simulate various emergency scenarios, such as fire or equipment failure, allowing trainees to experience and practice real-time emergency response procedures. This type of training helps to improve the response time, decision-making abilities, and coordination among team members.

c. Safety Protocols and Procedures: VR can provide interactive training sessions that guide trainees through safety protocols and procedures. This immersive training experience helps to reinforce safety practices and ensure compliance with safety regulations.

4. Conclusion:

Integrating Virtual Reality technology into switchyard operation and safety training offers tremendous benefits in terms of improved training outcomes, enhanced safety awareness, and increased operational efficiency. By leveraging VR, we can create engaging and realistic training experiences that effectively prepare our personnel for real-world scenarios.

Tentative Price Estimation

TYPE	Product Make	UoM	Price (INR) Rs. Cr.
Hardware	MSI Gaming Laptop	1 Unit	0.024
Hardware	HTC Vive Pro VR Kit	1 Unit	0.022

Hardware	VR Accessories	1 Unit	0.004
Installation Services	VR Hardware Delivery Installation, Training and Handover	1 day	0.005
1 VR Module Set-Up Price			**0.054**
Overall Cost estimation for different Module for Switchyard Operation of different equipment's like PTRs, 11KV CB, 33KV CKT, Safety, Working on LT live line etc.			1.5 Cr (INR)

Annexure- 8A & 8B DPR for Boundary Wall and Infrastructure works at Grid Substation

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
1	**Statutory, Safety and Security**	iii) Fencing, Boundary Wall, and infrastructure works at Primary& Distribution substation	Fencing of Distribution Substation	8.50	Annexure-8A	8.50	Annexure-8B
			Boundary wall of Primary Substation	9.00		9.00	
			Gravel filling for Primary substation	4.50		4.50	
			Access road for inside and outside PSS.	3.00		3.00	
			Civil work for control room/other building in PSS	3.00		3.00	
			Practice Yard	0.60		0.40	
			Provision for water supply for PSS/Offices (Watering for Earth pit)	1.00		1.00	
			Earthing for PSS & DSS	0.99		0.71	
Total				**30.59**		**30.11**	

Cost Estimate for Boundary wall and infrastructure works at Grid substation:

Sl. No.	Description	ANNEXURE 8A FY 24-25 (RS. Cr)	ANNEXURE 8B FY 25-26 (Rs. Cr)	Justification
1	Fencing & Graveling of Distribution Substation	8.5	8.5	Targeted 5000 Nos DTR Fencing at the End of FY 2028-29. DTR Fencing to be completed end of FY 2023-24 is 1700 Nos. Balance 3300 Nos will be completed in next five years. Approx Cost of one no's DTR is Rs. 1.35 Lakhs/Nos
2	Boundary Wall of Primary Substation	9	9	Total No of PSS Boundary Wall to be completed up to FY 2023-24 is 60 Nos. Total Non ODSSP in TPWODL is 166 Nos. Balance 106 no's PSS Boundary Wall Planned in next four years (30+30+30+16). Approx Cost of 1 no's PSS Boundary Wall is Rs. 30.0 Lacs.
3	PCC & Gravel Filling for Primary Substation including Cable Trench	4.5	4.5	Total No of PSS Gravel Filling to be completed up to FY 2023-24 is 20 Nos. Total Non ODSSP in TPWODL is 166 Nos. Balance 146 no's Gravel Filling Planned in next five years (30+30+30+30+26). Approx Cost of 1 no's PSS PCC & Gravel Filling of area 1000Sqm including repairing of cable trench & cover is Rs. 15.0 Lacs.
4	Access Road inside & Outside PSS	3	3	Total No of Access Road to be completed up to FY 2023-24 is 40 Nos. Total Non ODSSP in TPWODL is 166 Nos. Balance 126 no's Road Planned in next five years (30+30+30+30+26). Approx Cost of 1 no's PSS Access Road of 100M is Rs. 10.0 Lacs
5	Construction/Renovation for Control Room/Building in PSS	3	3	Total No of PSS CRB to be completed up to FY 2023-24 is 20 Nos. Total Non ODSSP in TPWODL is 166 Nos. Balance 146 no's CRB Planned in next five years (30+30+30+30+26). Approx average Cost of 1 no's PSS CRB is Rs. 10.0 Lacs.
6	Water Supply for PSS / Offices	1	1	Every year Borewell & Water Connection for earthing Considered in PSS & Various offices is 30 Nos
7	Practice Yard	0.6	0.4	Practice Yard 5 Nos (One no's in each Circle)
8	Earthing for PSS & DSS	0.99	0.71	Total 124 PSS & DSS earthing planned for FY-25 & 85 PSS & DSS earthing planned for FY-26
	TOTAL	**30.59**	**30.11**	

Annexure- 9A & 9B DPR for Energy Audit & Meter Related Activity

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
2	**Loss Reduction**	i) Energy Audit & Meter related activity	Installation of 1Ph Smart Meter (Services - Meter Installation, Removal, Cable Installation, Removal, Attending Consumer Complaints, NSC, Shifting of Meters, Field Survey, etc) - This excludes Meter Cost	12.00	Annexure-9A	12.00	Annexure-9B
			Installation of LI connections (3-Ph) with smart meter (Services - Meter Installation, Removal, Cable Installation, Removal, Attending Consumer Complaints, NSC, Shifting of Meters, Field Survey, etc) - This excludes Meter Cost	5.00		2.50	
			Installation of Smart Meters in place of Defective/faulty meters (BLE) (Services - Meter Installation, Removal, Cable Installation, Removal, Attending Consumer Complaints, NSC, Shifting of Meters, Field Survey, etc) - This excludes Meter Cost	8.00		8.00	
			Installation of CT PT MC MU & Testing	12.00		12.00	
			Installation of Metering Unit, Meters and Modems at PSS Boundary Points	1.80		1.00	
			DTR Smart Metering 100KVA & above	3.00			
			High Value Industrial Audit Point Metering & HT-LT check Metering	1.00			
			Printer and associated equipment's for Spot Billing.	0.88		1.62	

	Total	**43.68**		**37.12**	

Study of data elaborated that there are connections with are having Defective meters, No Meters and Electromechanical meters. These meters are leading to reduction in billing efficiency and thus are contributing to AT&C losses, increased provisional billing, billing error and complaints. Error in bills is leading to non-payment of bill and thus hampers the collection efficiency and increased dissatisfaction level in the customers.

Details Related to Meter Management

Project Name	**UoM**	**FY 25**	**FY 26**
Installation of 1Ph Smart Meter (Services - Meter Installation, Replacement of meter, Shifting of Meters, Field Survey, etc) - **This excludes Meter Cost**	Nos. Lakh	1.5	1.5
	Rs Cr	12	12
Installation of LI connections (3-Ph) with smart meter (Services -Meter Installation, Replacement of meter, Shifting of Meters, Field Survey, etc) - **This excludes Meter Cost**	No. Lakh	0.5	0.29
	Rs Cr	5	2.5
Installation of Smart Meters in place of Defective/faulty meters with BLE meters (Services - Meter Installation, Replacement of meter, Shifting of Meters, Field Survey, etc)- **This excludes Meter Cost**	Nos. Lakh	1	1
	Rs Cr	8	8
Installation of CT PT MC MU	No	500	500
	Rs Cr	10	10
Testing Services (Testing of LTCT, WC, HTCT Meter)	No	5000	5000
	Rs Cr	2	2
TOTAL			
	Rs Cr	**37**	**34.5**

Details Related for Energy Audit

For Loss Reduction activity, Energy Audit is very important at Section Level. To carryout energy audit from Circle Level to section level, Energy Input consumption is required.

To calculate input energy consumption from Circle Level to Section level, 100% Metering should be completed at 11KV feeder, 33KV feeders, PSS incomer, Boundary point metering and HT consumers.

The details of Energy Audit related work are given below.

1. **DT Metering of balance 100KVA and above Transformers**

DT Metering Plan FY 24-25 (63 KVA to 100KVA)			
Particulars	**Count**	**Amount per Each**	**Total Amount**
Meter Required	1870	6550	**₹ 1,22,48,500**
Meter Box	1870	600	**₹ 11,22,000**
Ring Type CT	7480	530	**₹ 39,64,400**
Pole Clamp	1870	200	**₹ 3,74,000**
Control Cable 12 C	9350	320	**₹ 29,92,000**
Lugs Ring Type	14960	10	**₹ 1,49,600**
Installation Cost	1870	2450	**₹ 45,81,500**
Total Amount			**₹ 2,54,32,000**
GST 18%			**₹ 45,77,760**
Final Budget Amount (Estimated)			**₹ 3,00,09,760**
Say			**3 Cr**

2. Boundary Point Metering (1.8 Cr.)

To calculate accurate input energy, from circle to section level, boundary point metering is most important. Hence, Energy audit has planned to install boundary point metering system at 113 locations (tentative) is required.

There are 18 no. of 33KV Inter subdivision points are planned for metering and 95 no.of 11KV Inter section points are planned for metering.

The detail estimated budget is given below:

2.1 Estimated Budget: Tentative estimated Capex budget of Rs. **1.8 Crore** of which DT Metering work is in progress.

2.2 BoQ:

PARTICULARS	VOLTAGE LEVEL	NO. OF BOUNDRY POINTS
33KV Inter Sub Div Point	33KV	18
11KV Inter section Point	11KV	95
Total		**113**

PARTICULARS	VOLTAGE LEVEL	COST OF EACH	FY 25		FY 26	
			NO. OF BOUNDRY POINTS	TOTAL	NO. OF BOUNDRY POINTS	TOTAL
33KV Inter Sub Div Point	33KV	₹ 3,90,000.00	8	31,20,000.00	10	39,00,000.00
11KV Inter section Point	11KV	₹ 2,90,000.00	50	1,45,00,000.00	21	60,90,000.00
Total			**58**	**1,76,20,000.00**	**31**	**99,90,000.00**
Say				**1.8 Cr**		**1 Cr**

3. High Value Industrial Audit Point Metering & HT-LT check Metering (1 Cr.)

3.1 BOQ: For High value Industrial Audit point metering

PARTICULARS	VOLTAGE LEVEL	NO. OF AUDIT POINTS	COST OF EACH	TOTAL
High value industrial audit point	33KV or 11KV	23	₹ 3,90,000.00	₹ 89,70,000.00
Total		**23**		**₹ 89,70,000.00**

3.2 BOQ: For HT LT Check Metering on High Value consumer

HT LT Check Metering on High Value consumer			
Particulars	**Count**	**Amount per Each**	**Total Amount**
Meter Required	70	6550	**₹ 4,58,500**
Meter Box	70	600	**₹ 42,000**
Ring Type CT	280	530	**₹ 1,48,400**
Pole Clamp	70	200	**₹ 14,000**
Control Cable 12 C	350	320	**₹ 1,12,000**
Lugs Ring Type	560	10	**₹ 5,600**
Installation Cost	70	2450	**₹ 1,71,500**
Total Amount			**₹ 9,52,000**
GST 18%			**₹ 1,71,360**
Final Budget Amount (Estimated)			**₹ 11,23,360**
Say			**11 Lakhs**

Annexure-10A & 10B DPR for Replacement of LT Bare Conductor with AB Cable

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
2	**Loss Reduction**	ii) Replacement of LT Bare conductor with AB cable	Replacement of LT Bare conductor with AB cable	10.93	Annexure-10A	10.00	Annexure-10B

Summary with work covered with proposed quantity and estimates:

Description of Work	UOM	Annexure-10A (FY 25)			Annexure-10B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr.)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr.)
CONVERSION OF LT BARE TO AB CABLE 95SQMM	Ckt.KM	70	0.08	5.80	61	0.09	5.29
CONVERSION OF LT BARE TO AB CABLE 120SQMM	Ckt.KM	16	0.12	1.99	11	0.13	1.43
CONVERSION OF LT ABC TO AB CABLE 35/50sqmm to 95 Sqmm	Ckt.KM	25	0.08	1.94	25	0.08	2.03
CONVERSION OF LT ABC TO AB CABLE 50/95sqmm to 120 Sqmm	Ckt.KM	10	0.12	1.19	10	0.12	1.24
TOTAL				**10.92**			**9.99**

Annexure- 11A & 11B DPR for Replacement/Addition of Network component in 33/11KV Primary Substation

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
3	**Reliability**	i)Replacement/Addition of network component in 33/11KV Primary Substation.	PSS Modernization (Structure Replacement / Yard Renovation/Civil Foundation for VCB & PTR)	4.10	Annexure-11A	4.00	Annexure-11B
			Installation of 11 kV breaker/ Group Breaker to make it suitable for SCADA operation (Segregation, replacement of obsolete breakers along with CT,PT, civil & control cable)	3.00		2.46	
			Installation of 33 kV breaker/ Group Breaker to make it suitable for SCADA operation (Segregation, replacement of obsolete breakers along with CT,PT, civil & control cable)	4.90		3.00	
			Feeder protection-OC	1.56		0.00	

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
			Relay & Control (BCPU)				
			Replacement of Indoor Switchgear Panels along with associated equipment	3.91		4.15	
			Replacement of Substation Transformer - 33/0.4KV 100KVA Trf.	1.53		1.06	
			Replacement of Battery & Battery Charger/ACDB Panel/DCDB Panel	0.73		0.54	
			ERS Tower (Emergency Restoration Tower)	2.00		0.00	
			Implementation of Automation/Scada	3.35		3.05	
			Roof top for Office/ Building lighting/Solar Rooftop generation with Net metering Emergency lighting	3.00			
			High Mast/Lighting arrangement for PSS/Store	0.50		0.50	
			Total	**28.58**		**18.76**	

Cost & Material Estimate for Feeder protection-OC Relay & Control (BCPU):

- **Background:**

  TPWODL distributes power to consumers spread across more than 48373 sq. kms of western Odisha. This is ensured by electrical assets covering more than 200+ Primary Substations spread across all the five circles it operates. Apart from these PSS, the organisation also maintains the 33 kV lines with associated infrastructure and LT distribution network comprising of distribution transformers. Reliable power can only be ensured by having a healthy equipment life which forms the backbone of the entire operation.

- **Necessity and Proposal:**

  The various assets which are covered under the area of operations needs to have adequate and reliable protection equipment. Electrical protection is accorded to the various systems through the action of protective relays which senses the fault and ensures operation of the circuit breakers which in turn help in preventing untoward failures.

  Protection philosophy has improved over the years with technological advancements. In this area, utilities are moving ahead from electromechanical relays and static relays to the new state of the art numerical relays. These numerical relays provide all the requisite protection and help in timely isolation of faults.

Feeder protection OC (Overcurrent) relay and control, often referred to as BCPU (Breaker Control and Protection Unit), are key components in an electrical distribution system for ensuring safety and reliability. Here's a brief overview of each:

1. Feeder Protection OC Relay:

Purpose: Feeder protection OC relay is designed to safeguard electrical feeders (cables or lines) from overcurrent conditions. Overcurrent's can occur due to faults or overloads, and the relay's purpose is to detect these conditions and operate protective devices, such as circuit breakers, to isolate the faulty section of the feeder.

Function: The OC relay monitors the current flowing through the feeder and compares it to predefined settings. When the current exceeds the set threshold (overcurrent), the relay trips the associated circuit breaker to interrupt the flow of electricity and protect the system from further damage.

2. Breaker Control and Protection Unit (BCPU):

Purpose: A BCPU is a multifunctional device that combines both control and protection functions for circuit breakers.

Control Functions: BCPU allows for remote operation and control of circuit breakers. It can be used to open and close breakers as needed, often from a centralized control room.

Protection Functions: In addition to control, BCPU incorporates protective features. It monitors breaker status and the condition of the associated electrical circuit. If abnormal conditions are detected, it can initiate the trip command, like an OC relay, to isolate a faulted section of the system.

Communication: BCPU often includes communication capabilities, allowing it to exchange data with a supervisory control system, providing information on the status of breakers and the system.

In summary, feeder protection OC relays are dedicated devices that focus on detecting overcurrent conditions and tripping circuit breakers for feeder protection. On the other hand, BCPU is a more versatile unit that combines control and protection functions, allowing for remote operation and communication in addition to overcurrent protection. Both are essential for ensuring the safe and reliable operation of electrical distribution systems.

TPWODL has been upgrading the protection system by replacing the erstwhile electromechanical relays and static relays with the numerical relays. The replacement has and will have the following advantages:

- **Efficient Protection:**
- **Increased Reliability:**
- **Fault Analysis:**
- **Details of the requirement and Cost Breakup:**

Kit Name	Total Cost (Rs. Cr.)
Feeder protection-OC Relay & Control (BCPU)	1.56
Proposed amount	**1.56**

Summary with work covered with proposed quantity and estimates:

Description of Work	UOM	Annexure-11A (FY 25)			Annexure-11B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr)
Replacement of Indoor Switchgear Panels along with associated equipment	Nos.	3	1.31	3.92	3	1.38430	4.15
Replacement of Substation Transformer - 33/0.4KV 100KVA Transformer	Nos.	13	0.12	1.55	8	0.12512	1.00
Replacement of Battery Set 24V	Nos.	30	0.01	0.17	24	0.00599	0.14

Description of Work	UOM	Annexure-11A (FY 25)			Annexure-11B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr)
Replacement of Battery Set 48V	Nos.	8	0.01	0.10	5	0.01250	0.06
Replacement of Battery Charger 24V	Nos.	3	0.04	0.11	2	0.03685	0.07
ACDB PANEL TYPE-A	Nos.	3	0.06	0.19	2	0.06670	0.13
DCDB PANEL 48/24V	Nos.	3	0.06	0.17	3	0.05827	0.17
TOTAL		**63**		**6.21**	**47**		**5.74**

ERS (Emergency Restoration Tower):

Emergency Restoration System (ERS) structures are a temporary solution designed to bypass the existing transmission towers of any voltage in any terrain. They will be used until the main line is reconductored or restored. The entire structure can then be disassembled and reused.

S.No.	Description of work	UOM	FY25 Qty	Standard Estimate (Rs. Cr.)	Amount (Rs. Cr.)
1	Emergency Restoration Tower	EA	2	1	2

Cost & Material Estimate for Automation/ Scada:

Automation:

SCADA -Advanced Distribution Management System ("ADMS") and Automation

The much-awaited software Advanced Distribution Management System ("ADMS") is expected to be in full phased services by Q2 of FY 2023-24. Implementation of Advanced Distribution Management Systems (ADMS) involves deploying real-time monitoring, predictive analytics, and load balancing to enhance electrical grid reliability, efficiency, and integration of renewable energy sources. Concurrently, renovating the conventional substations entails replacing old, aged equipment with digital instruments and Intelligent Electronic Devices (IEDs), enabling remote monitoring and bolstering cybersecurity measures. Together, ADMS and digital substation automation form a vital infrastructure for modernizing power distribution networks, offering improved reliability, safety, and data accuracy while accommodating the evolving energy landscape.

Objectives:

- **Automation of PSS (Renovated Digital Substation)**
- **RTUs for ODSSP Phase-1 PSS under TPWODL**
- **FRTUs for Renewable Solar Plants under TPWODL**

1.1 Automation of PSS (Renovated Digital Substation):

- Renovated Digital Substation automation is a smart digital solution for the refurbishment of PSS with digital communication. In RDS Solution, very old CRP needs to be replaced with small CRP which will have all CRP functionalities and the same will be installed in Outdoor CT/CB whichever is feasible.

- All these CRP will be communicating with RTU placed in Control centre and the same will be communication with our Control Centre. TPWODL is planning to implement the RDS project for which order Rs. 21.94 Cr of capex commitment is expected in FY 23-24. Implementation of RDS will be done as an SITC which will include BA with micro-CRP conceptualization. This will be integrated to SCADA Control Centre for the control and monitoring of same.

- We have a target to complete RDS implementation of additional 17 Nos. of PSS FY 24-25 and integrating the same to SCADA Control Centre and thereby fully controlling and monitoring of same.

- The upcoming grid modernization initiatives over the next two years are expected to necessitate the integration of more Intelligent Electronic Devices (IEDs) for enhanced communication with SCADA systems. As a result, pricing for these devices may experience variations compared to initial estimations, reflecting the growing demand for intelligent grid solutions and the need for increased connectivity and data exchange in the evolving energy landscape. This price fluctuation underscores the dynamic nature of the grid modernization journey and the importance of staying adaptable to emerging technologies and infrastructure needs.

1.2 RTUs for ODSSP Phase-1 PSS under TPWODL

- In TPWODL, we have 142 PSS which have been constructed under different phases and packages of ODSSP Scheme. Out of 142 Nos. of PSS, 39 Nos. of PSS are under ODSSP Phase-1 which were awarded to different EPC in the year 2014. Further to note, RTU were also supplied

in this project for SCADA integration of these PSS to Control Centre. It has been almost 10 years since the execution and commissioning of these PSS and life of an RTU being 7 years since the commissioning of same, our requirement would be for the replacement of these RTU with new ones to Control and Monitor these PSS from control centre effectively. We have a total of 41 PSS where we are considering replacing RTU in the next two years.

1.3 FRTUs for Renewable Solar Plants under TPWODL

- To expand its use of renewable energy, TPWODL is getting ready to meet the increasing need for solar power by introducing new devices called Feeder Remote Terminal Units (FRTUs) in the year 2026. These FRTUs will play a big role in making TPWODL's power system more stable and reliable, especially for solar energy. These devices are important because they help solar power plants handle and recover from problems in the power grid, making sure they can keep making electricity even when there are short disruptions. TPWODL's plan to put these devices in place shows their promise to follow rules and work closely with solar plant operators to make sure these FRTUs are set up and work well. Having these modern devices not only guarantees a steady supply of energy but also shows TPWODL's strong commitment to clean energy and making the power grid strong, while also getting ready for more solar plants in the coming years.
- Hence to cater all the above needs, TPWODL are opting for renewable energy in form of Solar plants. A lot of customers of TPWODL are on solar energy and to control and monitor their generation and distribution systems there is a need to procure FRTUs for the same.
    - **Proposed Capital Expenditure Plan – FY 24-25 [3.35 Cr]**

Sr. No	Item Details	Annexure-11A FY 24-25 (Rs Cr.)
1	Automation of PSS (Renovated Digital Substation)	1.44
2	RTUs for 11 nos of ODSSP Phase-1 PSS under TPWODL	0.66
3	25 nos of FRTUs for Renewable Solar Plants under TPWODL	1.25
Total		**3.35**

- **Proposed Capital Expenditure Plan – FY 25-26 [3.05 Cr]**

Sr. No	Item Details	Annexure-11B FY 25-26 (Rs. Cr.)
1	RTUs for 30 nos of ODSSP Phase-1 PSS under TPWODL	1.8
2	25 nos of FRTUs for Renewable Solar Plants under TPWODL	1.25
Total		**3.05**

13.Cost & Material Estimate for Roof top for Office/Building Lighting:

S.No.	Description of work	UOM	Annexure-11A (FY 24-25) Qty	Standard Estimate (Rs. Cr.)	Amount (Rs. Cr.)
1	Construction of Roof top for Office/Building Lighting	EA	4	0.75	3

Description of Work	UOM	Annexure-11A (FY 25)			Annexure-11B (FY 25)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr.)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr.)
High Mast/Lighting arrangement for PSS/Store	Nos.	10	0.05	0.48	10	0.05	0.50

Annexure- 12 DPR for Replacement/ Addition of Network Component in 33KV & 11KV Line

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
3	Reliability	ii)Replacement/Addition of network component in 33KV & 11KV Line.	Augmentation of old 11kV line (for aged lines or to mitigate overloading/under voltage)	19.60	Annexure-12A	13.06	Annexure-12B
			Augmentation of old 33kV line (for aged lines or to mitigate overloading/under voltage)	30.00		28.31	
			Installation of 11KV & 33 KV FPI/HIGH VOLTAGE O/H LINE INDICATOR,RLSU	1.85		1.51	
			Installation of 11KV & 33 KV AB switches, Isolator & RMU	14.93		11.34	
			33kV & 11kV Polymer Insulator/LA	3.00		2.91	
			New Tower Addition/Replacement (Joda Tensa)	29.06		19.38	
			Railway Crossing using U/G Cable	4.00		3.00	
			33KV & 11kV Auto Recloser & Sectionaliser	12.11		12.67	
			Total	**114.54**		**92.18**	

Summary with work covered with proposed quantity estimates:

Description of Work	UOM	Annexure-12A (FY 25)			Annexure-12B (FY 26)		
		Qty	Unit Rate (Rs. Cr.) @30%	Amount (Rs. Cr.)	Qty	Unit Rate (Rs. Cr.) @36%	Amount (Rs. Cr.)
Refurbishment/Augmentation of old 11KV line along	Ckt.KM	169.2	0.12	19.60	107.8	0.12	13.06
Refurbishment/Augmentation of old 33KV line	Ckt.KM	152	0.20	30.00	137.1	0.21	28.31
11KV FPI	Nos.	150	0.00	0.38	148	0.00	0.39
33KV FPI	Nos.	335	0.00	0.85	226	0.00	0.60
High voltage indicator	Nos.	500	0.00	0.32	300	0.00	0.20
RLSU	Nos.	10	0.03	0.30	10	0.03	0.30
11kV AB Switch/Isolator (PSS)	Nos.	40	0.01	0.36	25	0.01	0.24
33KV ABS (PSS + 33kV Line)	Nos.	20	0.01	0.21	15	0.01	0.17
11KV ABS	Nos.	150	0.01	1.36	180	0.01	1.71
11kV Isolator (PSS)	Nos.	60	0.03	1.87	40	0.03	1.30
33KV ISOLATOR	Nos.	101	0.03	2.78	65	0.03	1.87
11KV 3 WAY RMU	Nos.	25	0.12	3.09	25	0.13	3.23
11KV 4 WAY RMU	Nos.	2	0.15	0.31	0	0.16	0.00
33KV 3 WAY RMU	Nos.	7	0.44	3.06	4	0.46	1.83
33KV 4 WAY RMU	Nos.	4	0.48	1.90	2	0.50	1.00
33kV LAs (PSS + 33kV Line)	Nos.	600	0.00	1.29	540	0.00	1.21
11kV LAs (PSS + 33kV Line)	Nos.	400	0.00	0.29	300	0.00	0.23
11KV POLYMER INSULATOR	Nos.	10000	0.00	0.41	10000	0.00	0.43
33KV POLYMER INSULATOR	Nos.	10000	0.00	1.00	10000	0.00	1.04
New Tower Addition/ Replacement (Joda Tensa)				29.06		0.00	19.38
11kV Railway Crossing using U/G Cable	Ckt.KM	30	0.11	3.36	18.7	0.12	2.19
33kV Railway Crossing using U/G Cable	Ckt.KM	4.2	0.15	0.64	5	0.16	0.80
33KV Auto Recloser	Nos.	9	0.23	2.07	9	0.24	2.16
33KV Sectionaliser	Nos.	23	0.17	3.84	23	0.17	4.01
11KV Autorecloser	Nos.	15	0.12	1.84	15	0.13	1.93
11KV Sectionaliser	Nos.	45	0.10	4.42	45	0.10	4.63
			Total	**114.62**			**92.23**

Defective Towers in TPWODL 33kV Network:

33kV Joda Tensa Line:

1) 33kV Joda Tensa Line emanating from OPTCL 220/132/33kV Joda Grid Sub Station is feeding 33/11kV Tensa PSS and 33/11kV Koira PSS.
2) 33kV Joda Tensa line length is approx. 45km and T of towards Koira PSS is at 38km from Joda GSS.
3) The entire 45km line is crossing through dense Reserve Forest, Ghat & Hilly mining areas.
4) This line is limelight for Koira, Tensa and other Industrial consumers in the entire mining region. As of today, there is no n-1 scheme for this line. No other 33kV line is added in this area due to dense forest, ghat & hilly area.
5) This line is feeding power supply to approx. 10,000 consumers under Koira Block and feeding power supply to Industrial consumers in Tensa & Koira Mining area.
6) Joda Tensa line was commissioned way back in 1960s (Line is in service from last 62yrs). This line consists of 136 no. of 66kV rated Transmission Towers.

Observations for 33kV Joda Tensa Line:

1) Being a very old Line, 33kV Joda Tensa Line Tower structures are getting corroded & in damaged condition. Same need to be repaired in urgent basis.
2) There is frequent theft of structural materials (Tower legs, Cross Bracings etc.) in this line by miscreants inside the dense forest & hilly areas.
3) Line Conductors & Hardware fittings are also very old & same need to be replaced.
4) Tower structural strength and civil foundation need to be analysed.
5) The entire line (136 Transmission Towers) is passing through dense reserve forest, ghat & hilly area, hence line patrolling & maintenance is getting difficult. Dedicated line team (expert in Tower maintenance) need to be allocated for this area.

Observations related to 33kV River crossing critical Towers & Lines:

In Western part of Odisha, we got many big rivers like Mahanadi, Brahmani, Eib, Ang, Tel, Suktel, Hati etc. In TPWODL network, there are 61 no. of river crossing critical towers which are feeding 33kV power supply to various locations in western part of Odisha. These river crossing towers are very critical for our 33kV network point of view. Every year flooding of these major rivers is a great concern for our 33kV network.

Observations related to 33kV River crossing critical Towers and Lines:

1. Most of the river crossing Towers are very old and need urgent refurbishment & repair work.
2. At some locations of Mahanadi River at Hirakud, Jharsuguda and Sonepur area Tower strength analysis need to be done as towers are located inside the river within water.
3. We have some 33kV lines crossing big rivers in poles/DP arrangement only. These 33kV lines need to be shifted to Transmission Towers at River crossing locations.
4. In most of the old Towers structural parts are getting corroded & are in damaged condition. There is frequent theft of structural materials (Tower legs, Cross Bracings etc.)
5. Tower foundation stub setting, couping of stub and Tower Earthing is also required for most of these Towers.
6. Earth wire also required to be erected for some of big river crossing Towers.
7. Intermediate new Tower need to be constructed in some of the river crossing locations where span length of between two river crossing tower is around 900mt. In this location sag of conductors is very high.

Annexure- 13 DPR for Replacement/ Addition of Network component in distribution substation

Activity Cost Summary:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
3	Reliability	iii) Replacement/Addition of network component in Distribution Substation.	Refurbishment of above 100 KVA DTR along with LT Protection, Earthing etc. (Other than Augmentation)	12.97	Annexure-13A	8.59	Annexure-13B

Summary with work covered with proposed quantity and estimates:

Description of Work	UOM	Annexure-13A (FY 25)			Annexure-13B (FY 26)		
		Qty	Unit Rate (Rs. Cr) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr) @36%	Amount (Rs. Cr)
Refurbishment of DSS of 100kva	Nos.	160	0.03	4.03	100	0.03	2.64
Refurbishment of DSS of 250kva	Nos.	100	0.03	3.17	65	0.03	2.16
Refurbishment of DSS of 315kva	Nos.	30	0.03	0.98	24	0.03	0.82
Refurbishment of DSS of 500kva	Nos.	85	0.05	4.40	55	0.05	2.98
Refurbishment of DSS of 750kva	Nos.	2	0.05	0.10	0	0.05	0.00
Refurbishment of DSS of 1000kva	Nos.	5	0.06	0.30	0	0.06	0.00
Total				**12.98**			**8.59**

Annexure- 14 DPR for Network enhancement/ unforeseen emergency

Activity Cost Summary:

Sl. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
4	**Load Growth**	i) Network enhancement / Unforeseen emergency.	Construction of 33 KV New/Link Line	70.00	Annexure -14A	62.66	Annexure -14B
			Construction of 11KV New/ Link Line	27.19		20.00	
			Construction of new PSS/Renovation of Aged PSS.	70.00		0.00	
			Addition/Augmentation/Replacement of PTR of various ratings	8.05		6.36	
			Addition/Augmentation/Replacement of DTR of various ratings	7.19		7.00	
			MCCB/ACB Installation	9.00		8.59	
			Mobile DT &Mini Workshop (DTR, Breaker & Relays)	5.84		0.00	
			Addition of New LT ABC Network	16.00		15.34	
			Unforeseen Emergencies (Network extension for new connection, Kal Baisakhi, Special Yatras etc.)	5.00		5.00	
			Total	**218.27**		**124.95**	

Summary with work covered with proposed quantity and estimates:

Description of Work	UOM	Annexure-14A (FY 25)			Annexure-14B (FY 26)		
		Qty	Unit Rate (Rs. Cr) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr) @36%	Amount (Rs. Cr)
Construction of 33 KV New/Link Line	Ckt.KM	249.94	0.27962	69.89	214.11	0.29253	62.63
Construction of 11KV New/ Link Line	Ckt.KM	150	0.18113	27.17	106.46	0.18949	20.17
Construction of new PSS/Renovation of Aged PSS.	Nos.	7	15	70.00*		0.00000	0.00
NEW/ADD 5MVA PTR	Nos.	2	0.89431	1.79	2	0.93558	1.87
NEW/ADD 8MVA PTR	Nos.	1	1.17486	1.17	2	1.22909	2.46

Description of Work	UOM	Annexure-14A (FY 25)			Annexure-14B (FY 26)		
		Qty	Unit Rate (Rs. Cr) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr) @36%	Amount (Rs. Cr)
NEW 12.5MVA PTR	Nos.	0	2.00782	0.00	0	2.10049	0.00
AUG 5MVA PTR	Nos.	1	0.88265	0.88	0	0.92338	0.00
AUG 8MVA PTR	Nos.	3	1.16156	3.48	0	1.21517	0.00
AUG 12.5MVA PTR	Nos.	0	1.97529	0.00	0	2.06645	0.00
Replacement of 5 MVA PTRs due to very old age and Non repairable Condition	Nos.	1	0.86959	0.87	2	0.90972	1.82
Replacement of 8 MVA PTRs due to very old age and Non repairable Condition	Nos.	0	1.16106	0.00	0	1.21465	0.00
Addition 63KVA DTR along with HT & LT Scope	Nos.	10	0.12496	1.25	0	0.13073	0.00
Addition 100KVA DTR along with HT & LT Scope	Nos.	11	0.13229	1.46	10	0.13839	1.38
Addition 250KVA DTR along with HT & LT Scope	Nos.	4	0.19004	0.76	4	0.19881	0.80
Addition 500KVA DTR along with HT & LT Scope	Nos.	2	0.39198	0.78	3	0.41007	1.23
Augmentation of 250KVA DTR	Nos.	12	0.09310	1.12	16	0.09740	1.56
Augmentation of 315KVA DTR	Nos.	2	0.12790	0.26	2	0.13381	0.27
Augmentation of 500KVA DTR	Nos.	5	0.16934	0.85	8	0.17716	1.42
Augmentation of 1000KVA DTR	Nos.	2	0.34135	0.68	1	0.35711	0.36
MCCB Installation	Nos.	475	0.00995	4.72	420	0.01041	4.37
ACB Installation	Nos.	442	0.00967	4.28	417	0.01012	4.22
Mobile DT	Nos.	4	0.21	0.84	0	0.00	0.00
Mini Workshop (DTR, Breaker & Relays)	Nos.	1	5.00	5.00	0	0.00	0.00
LT New Line with 95 sqmm cable	Km	126.5	0.10121	12.80	116	0.10588	12.28

Description of Work	UOM	Annexure-14A (FY 25)			Annexure-14B (FY 26)		
		Qty	Unit Rate (Rs. Cr) @30%	Amount (Rs. Cr)	Qty	Unit Rate (Rs. Cr) @36%	Amount (Rs. Cr)
LT New Line with 120 sqmm cable	Km	22.43	0.14241	3.19	20.46	0.14898	3.05
Unforeseen Emergencies (Network extension for new connection, Kal Baisakhi, Special Yatras etc.)	Lumpsum			5.00			5.00

*Balance budget of five PSS of TPWODL, which was partially approved in the last CAPEX Order of the Hon'ble Commission and proposing two new PSS at Bhatli and Sambalpur, as suggested by Additional Chief Secretary, Department of Energy, Government of Odisha

Annexure- 15 DPR for Technology Intervention-IT & Technology

Activity Cost Summary:

	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
5A	IT Infrastructure	i) Technology Intervention- IT & Technology.	Disaster Recovery Centre - HW & SW	3.75	Annexure-15A	1.16	Annexure-15B
			DC Hardware & DC Software & Licences	7.98		2.30	
			Front End Devices and End user IT Infrastructure	3.42		2.15	
			Locational Network Strengthening	1.48		0.83	
			Sub Total- IT Infrastructure	**16.63**		**6.44**	

Information Technology commenced its journey in FY 22, the very first year of TPWODL, by initiating large scale computerization & digitalization efforts in the Company. For year 2021-2022, Information Technology was given Rs 42.02 Cr towards CAPEX by honourable Commission against seven schemes namely DC Hardware, Primary Data Centre, Call Centre & Customer Care Centre, DC Software & Licenses (ERP, MBC, DB, OS), Locational Network, Communication Network, Front -End Devices & End User Licenses. Information Technology vertical implemented all the schemes successfully and achieved 100% capitalization in FY 22.

In FY 23, honourable commission has approved Rs. 48.19 Crores to Information Technology for implementation of schemes namely Data Centre at Sambalpur, Front end Devices and SW, DC Hardware, DC Software & Licenses, Locational Network, Optical Fiber Cabling which included hardware and software and IT Infrastructure for expansion and modernization of call centre. TPWODL Information Technology has already initiated concrete steps towards 100% implementation of the approved schemes in FY 23.

In FY 24, this journey continued for implementation of new technologies across TPWODL, scaling up projects being implemented in FY 23, building infrastructure and facilities to strengthen Business Continuity Planning (BCP), secured business operation with implementation of state of the art Cybersecurity technologies and ensuring adoption of the new initiatives by the end users for optimizing all round efficiency which would ultimately help reduce the AT&C levels and ensure consumer satisfaction.

The proposed CAPEX plans for FY 25 & FY 26 aimed to scale up, strengthen and build redundancies in the schemes which are being implemented in FY 24 with special emphasis on business continuity, cyber security, and seamless communication.

The Technology CAPEX for FY 24 will have six pillars:

1) Disaster Recovery Centre – Hardware and Software
2) Data Centre Infrastructure-Hardware and Software
3) End user IT infrastructure.
4) Strengthen Network Connectivity across TPWODL

1) Disaster Recovery Centre – Hardware and Software:

TPWODL Data Centre was commissioned successfully at Burla, Sambalpur in FY 22. Currently, SCADA, GIS and AMI applications are hosted at TPWODL Data Centre.

As per best practices, it is proposed to set up Disaster Recovery Centre (DR) for TPWODL Data Centre at Bhubaneswar, Odisha which will ensure business continuity in the aftermath of any breakdown of the Data Centre (DC) owing to a natural calamity or other unforeseeable disaster. The DR will operate at 100% capacity of the DC and the same will be equipped with latest cyber security measures. DR will also ensure 100% data protection for all data stored at DC. For setting up the DR as proposed above, all hardware and software for necessary compute, storage, networking and cyber security compliance, will have to be procured to ensure operation at full capacity in active-passive mode.

Accordingly following is being proposed in FY 25:

S. No.	Description	Unit cost (INR inclusive of Tax)	Qty	Amt. (INR inclusive of Tax)
1	Server	38,00,000	4	1.52
2	Windows OS (Data Centre Edition)	6,73,896	8	0.54
3	Linux	3,75,500	15	0.56
4	Antivirus (Server Edition)	51,000	26	0.13
5	DC - DR service auto failover	1,00,00,000	1	1.00
	Total			**3.75**

Accordingly following is being proposed in FY 26:

S. No.	Description	Total Rs. Cr
a	Disaster Recovery Centre-Hardware and Software	1.16
b	Data Centre additional Hardware and Software	2.30
c	End user IT Infrastructure	2.15
d	Strengthen Network Connectivity	0.83
Total		**6.44**

** The Unit rates taken for determining the overall CAPEX are either TPWODL rates which were discovered in FY 22/23 on competitive basis and against which orders have been placed or market rates. We have taken reasonable escalation in the unit rates to accommodate the unknown developments and semi-conductor crisis that is affecting the industry currently.

Benefits:

- Disaster Recovery Centre shall ensure business continuity in case of breakdown of Data Centre
- Disaster Recovery Centre shall ensure recovery of data in case of any data loss at Data Centre

2) Data Centre Infrastructure – Hardware and Software:

TPWODL Data Centre (DC) infrastructure (both hardware and software) is required in order to cater to extended GIS and AMI implementation, ADMS implementation as well as compliance to cyber security guidelines. For catering to third phase of GIS implementation to be undertaken in FY 24, the DC infra shall have to be suitably augmented. In case of extension of smart metering landscape in TPWODL, further augmentation of DC infrastructure will be required. MBC and ERP solutions of all utilities of Odisha are hosted at IPDS Datacentre at Bhubaneswar along with key bespoke applications. In order to enable 360-degree visibility to TPWODL management across the entire business spectrum, it is essential to build a robust, scalable and sustainable reporting system. Consequently, TPWODL shall have to procure necessary appliances required for building business intelligence enabled reporting tools as mentioned above, to be hosted at IPDS Data Centre at Bhubaneswar.

Accordingly following is being proposed in FY 24-25:

S. No.	Description	Unit cost (INR inclusive of Tax)	Qty	Amt. (INR inclusive of Tax)
1	Server	38,00,000	6	2.28
2	Windows OS (Data Centre Edition)	6,73,896	16	1.08
3	Linux	3,75,500	20	0.75
4	Antivirus (Server Edition)	51,000	30	0.15
5	Oracle Enterprise 8 core license	1,51,00,000	1	1.51
6	MS SQL 2 Core Enterprise license	14,45,000	10	1.45
7	Tape Library	25,66,500	1	0.26
8	Other Software & Licenses for DC	50,00,000	1	0.50
	Total			**7.98**

Accordingly following is being proposed in FY 25-26:

S. No.	Description	Unit cost (INR inclusive of Tax)	Qty	Amt. (INR inclusive of Tax)
1	Server	38,00,000	4	1.52
2	Windows OS (Data Centre Edition)	6,73,896	5	0.34
3	Linux	3,75,500	5	0.19
4	Other Software & Licenses for DC	25,00,000	1	0.25
	Total			**2.30**

** The Unit rates taken for determining the overall CAPEX are either TPWODL rates which were discovered in FY 22/23 on competitive basis and against which orders have been placed or market rates. We have taken reasonable escalation in the unit rates to accommodate the unknown developments and semi-conductor crisis that is affecting the industry currently.

Benefits

- Augmentation of TPWODL Data Centre infrastructure will enable extension of GIS and AMI landscape leading to better asset and outage management as well as reduction of AT&C loss.
- Up to date software & cyber security measures will ensure safety of IT/OT applications and data.

3). Build & Strengthen end user IT infrastructure:

Till date, TPWODL has procured and distributed around 1600 laptops and 1000 desktops to its officers. TPWODL is also installing around 200 heavy duty printers (Multi-Functional Devices (MFD)) across all offices of TPSDOL.

With the addition of new manpower and establishments as well as roll out of more and more IT applications, it is imperative that the end users are equipped with necessary IT infrastructure for smoothly performing day to day works.

Accordingly following is being proposed in FY 24-25:

S. No	Description	Unit cost (INR, inclusive of tax)	Qty	Amt. (INR inclusive of Tax)
1	End User Computing Device (Laptops/Desktop) with MS License, Antivirus	95,000	300	2.85
2	MFD Printer	76,700	25	0.19
3	End User Computing Licenses (perpetual)	20,00,000	1	0.2
4	Physical Security Solution (i.e., Surveillance System and Access Control, etc)	70,000	25	0.18
	Total			**3.42**

Accordingly following is being proposed in FY 25-26:

S. No	Description	Unit cost (INR, inclusive of tax)	Qty	Amt. (INR inclusive of Tax)
1	End User Computing Device (Laptops/Desktop) with MS License, Antivirus	95,000	200	1.9
2	MFD Printer	76,700	10	0.08
3	End User Computing Licenses (perpetual)	10,00,000	1	0.1
4	Physical Security Solution (i.e., Surveillance System and Access Control, etc)	70,000	10	0.07
	Total			**2.15**

Benefits:

1) Enhancing the reach of computerization across the organization.
2) Build a culture of following online processes and less of paper movement.
3) Availability of end user computing devices up to section level for proper use of various IT applications towards more effective and transparent execution of business processes

4) Strengthen Network Connectivity across TPWODL:

In FY 22, we established MPLS connectivity in 100% offices across TPWODL. The technology used was IP MPLS. Wi-Fi connectivity was established in offices with more than 20 users.

In FY 23, the journey continues and we are in the process of establishing connectivity in 67 additional IT locations by taking the total tally to 282. Wi-Fi___33 connectivity is also being extended up to section level for ease of operations.

In FY24, new buildings/extensions of office buildings came up, necessary extension of LAN connectivity and new MPLS connectivity.

Accordingly following is being proposed in FY 24-25:

S. No.	Description	Unit cost (INR inclusive of Tax)	Qty	Amt. (Rs Cr inclusive of Tax)
1	Structured LAN for Offices	1,25,000	50	0.63
2	Layer -II & III Switch	1,52,000	20	0.30
3	Aggregator Router	10,91,000	5	0.55
		Total		**1.48**

Accordingly following is being proposed in FY 25-26:

S. No.	Description	Unit cost (INR inclusive of Tax)	Qty	Amt. (Rs Cr inclusive of Tax)
1	Structured LAN for Offices	1,25,000	25	0.31
2	Layer -II & III Switch	1,52,000	10	0.15
3	Aggregator Router	10,91,000	2	0.22
4	Other Hardware/Software for Network Improvement & Monitoring	15,00,000	1	0.15
		Total		**0.83**

Benefits

IP-MPLS/Wi-Fi___33 connectivity in offices will create a reliable redundant network which can be used for IT applications across TPWODL.

Annexure- 16 DPR for Technology Intervention- GIS, Communication & Others

Activity Cost Summary:

Sl.No.	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
5B	OT Infrastructure	ii) Technology Intervention- GIS, Communication & Others Implementation	Implementation of GIS	2.00	Annexure-16A	2.00	Annexure-16B
			Communication Infrastructure	16.00		6.50	

Operation Technology:

In order to Enhancing the reliability, reducing losses, and optimizing overall performance necessitates the effective implementation of advanced technologies. TPWODL is currently undergoing a significant technology transformation to elevate customer service quality and provide a safe, highly reliable, and improved quality power supply. This transformation aligns with various operational standards. TPWODL has strategically planned systematic investments in Operation Technology to integrate the latest advancements.

Among TPWODL's notable achievements is the establishment of a 24/7 Operational Power System Control Centre (PSCC), along with the provision of mobile applications to all 33/11KV Primary Sub-Stations, enabling operational data collection, planned outage monitoring, and timely information dissemination to consumers. TPWODL takes a proactive approach in monitoring planned outages, ensuring that consumers receive information about outages in their area at least 48 hours prior.

Over the past two years, Operation Technology has played a pivotal role in organizational transformation, yielding outstanding outcomes by enhancing system efficiency and improving customer experience.

Key Operational Technology initiatives encompass substation automation through Supervisory Control and Data Acquisition (SCADA), Consumer and asset mapping using the Geographical Information System (GIS), the integration of Communication Technology (ICT), and the development of the backend infrastructure for smart meters.

SCADA & ADMS

The SCADA Control Center enables centralized monitoring and control of the 33KV & 11KV network throughout the entire operational area of the western region of Odisha. To date, approximately 128 nos of 33/11KV PSS have been SCADA-enabled, with 115 nos being centrally monitored and controlled from the Power System Control Centre on a 24X7 basis.

The long-awaited implementation of the Advanced Distribution Management System (ADMS) software on a pilot basis has been rolled out in the RSED Division as a smart grid initiative. Full phased implementation is anticipated by the end of FY 2023-24. After the SCADA-ADMS system is implemented, TPWODL will establish another benchmark in providing reliable and high-quality power supply to the consumers in the western region of Odisha as a SCADA central control center is providing visibility of 33/11KV PSS similarly TPWODL will establish Area Power control center (APSCC) to provide more visibility and improve more reliability to 11KV and LT network.

To prepare the PSS for automation and communication integration with the central SCADA system, the budget allocated by the commission for FY 22-23 for CCTV and batteries has been redirected towards the PSS renovation. This shift in priority was necessary to ensure the readiness of the renovation project.

Geographical Information System ("GIS")

Over the last two years, TPWODL completed Enterprise GIS project in the RSED division of Rourkela Circle along with complete GIS survey and digitalization. GIS project is going on the remaining 4 circles namely Sambalpur, Bargarh, Balangir, and Kalahandi and expected to complete mostly in FY 23-24. it's worth noting that due to demographic considerations, there may be a spill-over of activities into one or two divisions, despite the Commission's approval of a sufficient budget of Rs. 65.05 Cr for GIS project. Furthermore, the E-GIS system has effectively integrated the mapping of all Extra High Tension (EHT) and High Tension (HT) consumers throughout the western region of Odisha.

The below table represent the Capex approval and capitalization completed in FY 22-23

FY 22-23					
Description	**Year**	**Approved by Commision (In Crore)**	**Capitalized (In Crore)**	**Capex For Work In Progress (In Crore)**	**Remark**
GIS Implementation	FY 22-23	21.45	₹ 10.74	₹ 10.71	Mostly Completed by mid of Q-4
Communication Infrastructure	FY 22-23	18.65	₹ 2.75	₹ 15.90	Capitalized by End of Q-4
Automation	FY 22-23	21.1	₹ 9.78	₹ 11.32	Capitalized by End of Q-4

Similar to FY 22-23, TPWODL has submitted detailed capex plan for FY 23-24 the detailed progress is given below.

FY 23-24			
Description	**Year**	**Approved by Commision (In Crore)**	**Remark**
Reliability improvement	FY 23-24	₹ 13.50	Mostly Completed by end of Q-4
GIS Implementation	FY 23-24	₹ 38.60	Capitalized by Mid of Q-4
Communication Infrastructure	FY 23-24	₹ 11.00	Capitalized by End of Q-4
Development of Smart meter Back end infra	FY 23-24	₹ 11.81	Capitalized by End of Q-4
Procurement of Drone	FY 23-24	₹ 0.80	Capitalized by End of Q-4

Total OT Capital Expenditure for FY 24-25 & FY 25-26

Budget head	FY 24-25	FY 25-26
Communication	16	6.5
GIS	2	2

Communication Technology

Network Equipment for Integrated Network

To build an integrated Communication System for all TP Odisha Discoms that is Scalable, Reliable, Interoperable and that can handle failure scenarios like power disruptions and/or catastrophic events to facilitate outage recovery and guarantee safety. It includes the deployment of an integrated communication network for the efficient implementation and provisioning of IT/OT services across TPWODL Odisha Utilities.

Deployment of a packet-based communication network, SITC of optical transport equipment with the necessary interfaces for the effective delivery of IT/OT applications such as SCADA, GIS, ADMS enterprise data, AMR, and AMI, among others.

Network equipment mainly comprised of Core Routers, Aggregation Routers, Industrial Router and Enterprise Routers.

Apart from routers SMPS and UPS Power Supply equipment along with Batteries for Backup and Rack to house the equipment.

Description	Unit	Qty
SITC of Incremental Optical Fiber across TPWODL for access locations (IT Offices and OT PSS) connectivity	KM	50
Establishing a Core Network for the Data Centre to the Disaster Recovery Centre (DC-DRC) for communication and High Availability of IT & OT Services	Nos.	3
Establishing Aggregation Network for IT & OT Services central DC and DRC communication	Nos.	28
SITC of Access Routers at TPWODL various Enterprise and PSS locations	Nos.	50
SITC of Power backup unit (Battery, UPS, & SMPS) with necessary accessories for Aggregation and Access Nodes	Nos.	78
Establishing Office LAN/Rack/Switches/Wi-Fi/etc.	Nos.	78

Pilot Project for Lightning Protection System & DC to DC Converter

As we are aware TPWODL is operating in a highly lightning-prone area. Electromagnetic induction/ surges due to lightning cause a higher rate of failures of sensitive Network equipment devices. Installing a Surge Arrestor device in the voltage system to mitigate this problem & will

safeguard the sensitive and costly Network equipment like Routers, switches, POE, CCTV cameras etc.

Study on 5G Captive technology (Industrial IoT and its implementation)

Captive Non-Public Networks (CNPNs) are expected to play a valuable role in leveraging the secure, reliable, and ultra-low latency characteristics of 5G technology. 5G CNPNs are designed to meet specific customized requirements of an enterprise and 5G's unique features enable CNPNs to support the implementation of innovative and highly specialized use cases/applications. Private captive networks can be through a telco-led model or through the direct allocation of spectrum to enterprises.

Line Differential Protection Relay

Generally, differential relays are used to protect the equipment against internal faults. Differential protection is easier to integrate into a protection philosophy as distance protection, as it is unit protection. It delivers more consistent performance, at the cost of increased hardware dependency. Some form of high bandwidth, low latency communication is required between the line ends in order to exchange analogue information for the line differential algorithm to process. Typically, this is a direct fiber optic cable.

Proposed Capital Expenditure Plan – FY (24-25) & (25-26) [22.5 Cr]

Sr. No	Item Details	*FY (24-25) Rs. Rs. Cr.*	*FY (25-26) Rs. Rs. Cr.*
1	**Network Equipment**	***13.5***	***4.0***
2	**Lightning Protection System & DC to DC Converter**	***1.0***	***0.5***
3	**Study on 5G Captive Technology (Industrial IoT and its implementation)**	***0.5***	***1.0***
4	**Line Differential Protection Relay**	***1.0***	***1.0***
Total		***16.0***	***6.5***

Geographical Information System ("GIS")

Geographical Information System is an enterprise software application that maintains the locational and physical attributes of electric infrastructure and to use by the Discoms as the source of infrastructure information.

The expansion and enhancement of our Electrical Network happens from time to time, As the electrical assets within our network continue to grow and evolve, it is crucial that we keep pace with these changes to ensure optimal performance and reliability.

TPWODL's primary objective is to align the network infrastructure with the evolving requirements to enhance service quality, reliability, and efficiency. One of the key aspects of achieving this objective is the incorporation of new assets into GIS.

The key objectives are as follows:

1. **Asset Growth:** Our electrical assets have been increasing over time to meet the demands of our customers and the broader service area. This growth necessitates the integration of these new assets into our GIS to maintain accurate and up-to-date records.
2. **Network Enhancement:** We will undertake network changes as per the requirements of consumer ensuring that our infrastructure is aligned with the evolving needs of our organization and customers.
3. **GIS Integration:** Updating our GIS with the latest asset information is essential for effective network management, maintenance, and planning. This will enable us to make informed decisions about resource allocation and asset maintenance.
4. **Resource Requirements:** To accomplish this task efficiently, we require additional resources, including personnel, software upgrades, and equipment, to ensure the seamless integration of new assets into our GIS.

As assets will be added in consecutive years, we have only requested an incremental GIS budget. We are seeking Rs 4 Cr for the next two years, with Rs 2 Cr allocated for each year.

Annexure-17 DPR for Improvement of Civil & Store Infrastructure and Ready to use assets for offices.

Activity Cost Summary:

Sl.No.	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr.)	Annexure No.	Proposed Capex FY 25-26 (Rs. Cr.)	Annexure No.
5C	Civil, Admin and Other Infrastructure	iii)Improvement of Civil Infrastructure	Additional Material Storage area platform & road	3.00	Annexure-17A	2.00	Annexure-17B
			New store building/shed/HOTT & Energy meter Section in 5 circles for safety training	3.00		3.50	
			New Scrap Yard, Pole Storage location/MMG/Other Department Store	2.00		1.50	
			New Building for Division/ Subdivision/Section/Commercial Office. / Including toilet facility/Guest House/Major Buildings/Furniture for New Building / renovated old building	30.00		30.00	
			Remodelling of Old Office Building including Toilet/Boundary Wall of Office Building /Peripheral Development work of Offices	8.00		7.00	
			Fuse Call Centre / Customer Care	1.00		1.00	
		iv) Store Infrastructure & EV Vehicles	Store infrastructure, Security System and fire Hydrant System in Store	4.76		3.30	
			Purchase of EV Vehicles and other vehicles for employees	1.65			
		v) Ready to use assets for Offices	Ready to Use assets for Offices	3.42			
			Total	**56.83**		**48.30**	

Details Related to Improvement of Civil Infrastructure along with Tentative Estimation:

Sl. No.	Description	Budget for Civil Work	
		FY 2024-25 (Cr)	FY 2025-26 (Cr)
1	Fencing & Graveling of Distribution Substation	8.5	8.5
2	Boundary Wall of Primary Substation	9	9

Sl. No.	Description	Budget for Civil Work	
		FY 2024-25 (Cr)	FY 2025-26 (Cr)
3	PCC & Gravel Filling for Primary Substation including Cable Trench	4.5	4.5
4	Access Road inside & Outside PSS	3	3
5	Construction/Renovation for Control Room/Building in PSS	3	3
6	Water Supply for PSS / Offices	1	1
7	Practice Yard	0.6	0.4
8	Additional Material Storage Platform & Road	3	2
9	Store Building / Shed	1.5	1.5
10	MMG/Other Department Store	1.5	1.5
11	Fuse Call Centre / Customer Care	1	1
12	New Building for Division/SDO/Section office including toilet facility	13	13
13	Refurbishment of Old Office Building including Toilet	4	3
14	Corporate Office & Guest House at Burla	9	9
15	Major Office Building (Canteen, Porch at IT Bldg, Auditorium at Sambalpur, Conference Room Four Circle, Gosala Dining, SE MRT at Rourkela & Bargarh Jharsuguda Etc)	5	5
16	HOTT & Energy Meter Section in 5 Circle for Safety Training	1.5	2
17	Peripheral Development work of Offices	1	1
18	Boundary Wall of Office Building	3	3
19	Furniture for New Building / renovated old building	3	3
	TOTAL	**76.1**	**74.4**

Details Related to Stores Estimation:

Sr. No.	Particulars	Rs. Rs. Cr.ore	Justification
1	Water Hydrant System for Kesinga/Balangir/Rajgangpur sub store	3	Protection of Companies Current (Inventories) from Fire Hazard
2	Racking System at Balangir @ Balangir New Store & Kalahandi Area	0.75	Proper Storage of Materials
3	Storage Containers, Storage Bins, Storage Stands, Outdoor Storage Racks for vertical storing	0.5	Proper Storage of Materials
4	Material Handling Tools & Equipment for existing & new Store and Power back up system	1	Safe handling of Materials.
5	Security Porta Cabins for New Stores including scrap yards	0.25	Administrative arrangement
6	EV four-wheeler for Contracts Procurement & Stores Function	0.15	Official movement of Contracts & Stores Function
	Total	**5.65**	

In TPWODL, the office space is currently crowded and haphazardly planned for seating arrangements, moreover, most of the circulation area has been occupied with files, documents etc. To provide best in class services to consumers, earn consumer delight and improve satisfaction among other stakeholders and maintaining a clean & safe working environment, following infrastructures are required.

- **TV, Projector, Sound System, Cordless Mic** are basic necessities to conduct smooth conduct of meetings/virtual meetings with various third parties, team in field located at various circles.
- **Inverter & Battery** are essential for office space for uninterrupted power supply, environmental considerations and emergency preparedness.
- **Office air conditioning systems** are required to provide a comfortable working environment to bring and control Energy Efficiency, Humidity, Air Quality, and Reduction in Noise & Keeping Business Critical Equipment at the Right Temperature.
- **Water cooler & Purifiers** are required for proper hydration employees and to ensure good health and improve overall efficiency. An employee should drink at least eight glasses of water a day to be properly hydrated as Water increases the amount of blood flow and oxygen to the brain and other body parts which in turn increases brain activity and attentiveness.
- **Ergonomic office chairs** for sitting long periods with ease. This naturally helps employees work more efficiently and productively. Another benefit is reduction in healthcare expenses related to poor posture from unsuitable office chairs.
- **Photocopier machines** to offer a fast and easy way of getting single or multiple copies of documents & Improves Functionality of businesses.
- **Vehicles** to provide carpool facility to the company staff as well as car facility to the sr. management team.
- **File cabinets/Cupboards** are basic requirements to keep office space organized and tip top. It helps store important papers, documents, photographs, magazines, and training materials in one single place for easy and immediate access besides offering secure storage, it offers instant access to files of thousands of customers and employees.
- **Canteen facilities are the necessity of satisfying employees with a better range of foods and healthy options.**

"Workplace canteens need to provide with options to cater for lunch with meals or light breakfast items and fruit or snacks for mid-afternoon along with tea/ cold drinks/ coffee in order to promote healthy eating & refreshments for employees and stakeholders.

Details Related to Admin/Ready to use assets Estimation:

Sl no	Item	Quantity	Unit Cost	Cost
1	AC	65	₹ 40,000.00	₹ 26,00,000.00
2	Water Cooler	58	₹ 30,000.00	₹ 17,40,000.00
3	RO	115	₹ 15,000.00	₹ 17,25,000.00
4	Desert Cooler	220	₹ 10,000.00	₹ 22,00,000.00
5	Steel Almirah	78	₹ 14,000.00	₹ 10,92,000.00
6	Slotted Angle	182	₹ 3,000.00	₹ 5,46,000.00
7	Inverter & Battery	18	₹ 20,000.00	₹ 3,60,000.00
8	Plastic Chairs	867	₹ 1,000.00	₹ 8,67,000.00
9	Pumps	14	₹ 15,000.00	₹ 2,10,000.00
10	Ceiling Fan	500	₹ 3,000.00	₹ 15,00,000.00
11	Wall mounted Fan	200	₹ 3,000.00	₹ 6,00,000.00
12	TV	11	₹ 30,000.00	₹ 3,30,000.00
13	Induction	56	₹ 3,000.00	₹ 1,68,000.00
14	Projector	9	₹ 50,000.00	₹ 4,50,000.00
15	Sound System	4	₹ 30,000.00	₹ 1,20,000.00
16	Cordless Mic	11	₹ 1,000.00	₹ 11,000.00
17	Food Warmer	16	₹ 4,500.00	₹ 72,000.00
18	Refrigerator	10	₹ 10,000.00	₹ 1,00,000.00
19	EV car	10	₹ 15,00,000.00	₹ 1,50,00,000.00
20	Cars as per Company Policy	15	₹ 13,00,000.00	₹ 1,95,00,000.00
Total				**₹ 4,91,91,000.00**