Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
333	KALAHANDI	BODEN	NAGAPADA	400	24	20	5.1	34
334	KALAHANDI	CHALNA	BHARMUNDA	350	21	17	4.8	40
335	KALAHANDI	CHALNA	CHALNA	716	43	31	4.3	25
336	KALAHANDI	CHALNA	SARADHAPUR	233	14	16	7.1	27
337	KALAHANDI	KHARIAR	DUAJHAR	1624	97	250	15.4	111
338	KALAHANDI	KHARIAR	MISSION	1299	78	47	3.6	15
339	KALAHANDI	KHARIAR	OLD BARGAON	1151	69	112	9.8	93
340	KALAHANDI	KHARIAR	PUTUPADA	1931	116	59	3.1	17
341	KALAHANDI	KHARIAR	THANA CHHAK	748	45	16	2.1	4
342	KALAHANDI	KHARIAR	TUKULA	2017	121	325	16.1	61
343	KALAHANDI	LESUNPALI	LANJI	545	33	32	5.8	37
344	KALAHANDI	LESUNPALI	LARKA	545	33	31	5.6	53
345	KALAHANDI	LESUNPALI	ROKAL	243	15	12	4.9	22
346	KALAHANDI	SINAPALI	BARGAON	1651	99	239	14.5	82
347	KALAHANDI	SINAPALI	HATHIBANDHA	1301	78	229	17.6	136
348	KALAHANDI	SINAPALI	KENDUMUNDA	1368	82	170	12.4	111
349	KALAHANDI	SINAPALI	SINAPALI	1632	98	60	3.7	6
350	KALAHANDI	TIMANPUR	BABEBIR	488	29	33	6.8	45
351	KALAHANDI	TIMANPUR	GORLA	274	16	16	5.9	30
352	KALAHANDI	TIMANPUR	NILJI	650	39	40	6.2	22
353	KALAHANDI	TIMANPUR	TIMANPUR	565	34	26	4.6	30
354	KALAHANDI	BISORA	BELTUKURI	2137	128	362	17.0	47
355	KALAHANDI	BISORA	BHELASHWAR	2376	143	271	11.4	50
356	KALAHANDI	BISORA	BISORA	500	30	23	4.6	28
357	KALAHANDI	BISORA	KULIABANDHA	316	19	17	5.3	45
358	KALAHANDI	BISORA	SAMERIA	1616	97	90	5.6	30
359	KALAHANDI	KHARIAR ROAD	BANKA	998	60	27	2.7	26
360	KALAHANDI	KHARIAR ROAD	BIROMAL	1946	117	161	8.3	109

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
361	KALAHANDI	KHARIAR ROAD	PATEL NAGAR	866	52	32	3.7	19
362	KALAHANDI	KHARIAR ROAD	TOWN	2100	126	122	5.8	19
363	KALAHANDI	SAIPALA	DERLIMUNDA	1534	92	134	8.7	103
364	KALAHANDI	SAIPALA	KHAIRANJI	566	34	36	6.3	59
365	KALAHANDI	SAIPALA	SAIPALA	250	15	10	3.8	11
366	KALAHANDI	BATIBAHAL	KUTRIBAHAL	600	36	46	7.7	120
367	KALAHANDI	BATIBAHAL	SUNABEDA	167	10	12	7.4	106
368	KALAHANDI	KOMNA	BUDHIKOMNA	1604	96	245	15.3	88
369	KALAHANDI	KOMNA	KOMNA TOWN	1015	61	35	3.5	29
370	KALAHANDI	KOMNA	KONABIRA	600	36	49	8.2	58
371	KALAHANDI	KOMNA	MALIMUNDA	733	44	52	7.0	47
372	KALAHANDI	KOMNA	UDYANBANDH	866	52	58	6.7	102
373	KALAHANDI	KURUMPURI	LAKHNA	1251	75	130	10.4	158
374	KALAHANDI	KURUMPURI	SIALATI	751	45	82	11.0	95
375	KALAHANDI	KURUMPURI	TARBOD	450	27	32	7.2	68
376	KALAHANDI	KURUMPURI	LINDA	750	45	60	8.0	70
377	KALAHANDI	NUAPADA	RAILWAY	783	47	51	6.5	84
378	KALAHANDI	NUAPADA	SHAKHATORA	1573	94	195	12.4	47
379	KALAHANDI	NUAPADA	TANWAT	416	25	26	6.3	54
380	KALAHANDI	NUAPADA	TOWN	3762	226	134	3.6	31
381	KALAHANDI	SARABONG	BHAINSMUNDI	549	33	23	4.2	24
382	KALAHANDI	SARABONG	DHARMABANDH	1216	73	81	6.7	150
383	KALAHANDI	SARABONG	TANWAT/SARABONG	699	42	37	5.3	54
384	SAMBALPUR	Parposi	JHARAGUGUA	283	17	19	6.7	67
385	SAMBALPUR	Parposi	JHARMUNDA	87	5	7	7.8	52
386	SAMBALPUR	Parposi	LAIMURA(PARPOSI)	199	12	14	7.2	66
387	SAMBALPUR	Parposi	RAITAL	85	5	8	9.8	33
388	SAMBALPUR	Reamal	LULANG	133	8	12	9.0	78

Highlighted as needed.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
389	SAMBALPUR	Reamal	TINKBIR	683	41	131	19.2	166
390	SAMBALPUR	Reamal	KADOPADA	117	7	19	16.6	72
391	SAMBALPUR	Reamal	REAMAL	984	59	74	7.5	94
392	SAMBALPUR	Rengalbeda	MIRGIDIYA	416	25	15	3.6	34
393	SAMBALPUR	Rengalbeda	DONAGAGHOT	417	25	23	5.6	51
394	SAMBALPUR	Rengalbeda	GOHIRA	467	28	31	6.7	102
395	SAMBALPUR	Rengalbeda	KHILEI	467	28	27	5.7	39
396	SAMBALPUR	Rengalbeda	REAMAL(RENGALLBEDA)	17	1	1	3.1	8
397	SAMBALPUR	Rengalbeda	TINKBIR OLD	466	28	35	7.5	12
398	SAMBALPUR	Rengalbeda	RENGALBEDA	416	25	24	5.7	0
399	SAMBALPUR	Teleibani	KANSARA	655	39	130	19.9	253
400	SAMBALPUR	Teleibani	LAIMURA	283	17	13	4.4	36
401	SAMBALPUR	Teleibani	TAIDISAR	499	30	39	7.8	43
402	SAMBALPUR	Teleibani	PRABMASUNI	483	29	30	6.2	35
403	SAMBALPUR	Teleibani	TELEIBANI	133	8	4	2.8	7
404	SAMBALPUR	Barkote	KADOPADA(BARKOTE)	517	31	57	11.0	115
405	SAMBALPUR	Barkote	BARKOTE	433	26	14	3.3	13
406	SAMBALPUR	Barkote	DANGASINGA	233	14	28	11.8	53
407	SAMBALPUR	Bhaktabadakudar	FEEDER-2 BEHEDAPOSHI	300	18	38	12.8	150
408	SAMBALPUR	Bhaktabadakudar	FEEDER-I THAIANALA	916	55	59	6.4	106
409	SAMBALPUR	Bhaktabadakudar	KALLA	416	25	18	4.2	41
410	SAMBALPUR	Bhaktabadakudar	KHAJURIKHAMAN	467	28	33	7.2	162
411	SAMBALPUR	Budhapal	KUNDHIGOLA	916	55	46	5.0	37
412	SAMBALPUR	Budhapal	PALOSOMA	1084	65	140	12.9	189
413	SAMBALPUR	Budhapal	BUDHAPAL	317	19	32	10.0	131
414	SAMBALPUR	Deogarh	RE	1034	62	82	7.9	67
415	SAMBALPUR	Deogarh	TOWN -1	1498	90	54	3.6	16
416	SAMBALPUR	Deogarh	TOWN -2	1599	96	76	4.7	17

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
417	SAMBALPUR	Deogarh	TOWN -3	999	60	34	3.4	11
418	SAMBALPUR	Kandhal	BASADAHI	444	27	37	8.4	77
419	SAMBALPUR	Kandhal	KANDHAL	493	30	25	5.2	25
420	SAMBALPUR	Kandhal	KATAPALI	495	30	44	8.9	47
421	SAMBALPUR	Kandhal	SAMARKHAI	452	27	48	10.5	86
422	SAMBALPUR	FASIMAL	CHAKULIABAHAL	100	6	8	7.6	60
423	SAMBALPUR	FASIMAL	FASIMAL	250	15	16	6.4	58
424	SAMBALPUR	FASIMAL	GURJIPALI	200	12	13	6.7	57
425	SAMBALPUR	FASIMAL	TIKIBA	50	3	4	7.6	18
426	SAMBALPUR	ARDABAHAL	ARDABAHAL	299	18	11	3.7	14
427	SAMBALPUR	ARDABAHAL	BAURIGUDA	233	14	10	4.4	16
428	SAMBALPUR	ARDABAHAL	JAYPEERDHAR	83	5	6	6.6	15
429	SAMBALPUR	BAMRA	ASHIRVAD	532	32	15	2.9	15
430	SAMBALPUR	BAMRA	BAMRA	1127	68	48	4.2	14
431	SAMBALPUR	BAMRA	GARPOSH	749	45	40	5.3	91
432	SAMBALPUR	BAMRA	GHANSARA	153	9	10	6.3	39
433	SAMBALPUR	BAMRA	RANGIATIKRA	167	10	14	8.3	58
434	SAMBALPUR	BAMRA	SOLAR BAMRA	83	5	7	8.6	0
435	SAMBALPUR	BHOJPUR	BHOJPUR	333	20	17	5.1	92
436	SAMBALPUR	BHOJPUR	BADMAL	100	6	10	9.9	77
437	SAMBALPUR	BHOJPUR	DIMIRIMUNDA	217	13	15	7.0	79
438	SAMBALPUR	BHOJPUR	SIRID	100	6	9	9.5	38
439	SAMBALPUR	BURDA	JARDA	133	8	5	3.9	21
440	SAMBALPUR	BURDA	KUNEDIHIA	200	12	17	8.5	90
441	SAMBALPUR	GARPOSH	GARPOSH_GARPOSH	583	35	19	3.2	11
442	SAMBALPUR	GARPOSH	KINABAGA	850	51	75	8.8	93
443	SAMBALPUR	GARPOSH	PINDA PATHER	416	25	18	4.4	21
444	SAMBALPUR	GARPOSH	SAGRA	250	15	12	4.6	42

Withdrawn CL Nanda.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
445	SAMBALPUR	GOCHARA	RAM TILAIMAL	133	8	4	3.1	9
446	SAMBALPUR	GOCHARA	TURAI	433	26	37	8.6	123
447	SAMBALPUR	GOCHARA	ULLANDA	133	8	6	4.5	22
448	SAMBALPUR	JAMANKIRA	BADRAMA	183	11	19	10.3	95
449	SAMBALPUR	JAMANKIRA	JAMANKIRA	283	17	14	4.8	23
450	SAMBALPUR	JAMANKIRA	KUAGOLA	634	38	50	7.8	119
451	SAMBALPUR	JAMANKIRA	SARDA	17	1	3	16.9	20
452	SAMBALPUR	JAMANKIRA	TULUB	200	12	24	11.9	123
453	SAMBALPUR	KESAIBAHAL	BHIKAPALI	175	10	17	9.5	74
454	SAMBALPUR	KESAIBAHAL	JARABAGA	525	31	94	18.0	424
455	SAMBALPUR	KESAIBAHAL	KESAIBAHAL	133	8	4	3.2	5
456	SAMBALPUR	KESAIBAHAL	MAHULA PALI	333	20	33	9.8	123
457	SAMBALPUR	KHANDOKATA	HADIPALI	733	44	41	5.6	67
458	SAMBALPUR	KHANDOKATA	JUNANI	183	11	7	4.1	8
459	SAMBALPUR	KHANDOKATA	KHANDOKATA	300	18	14	4.7	17
460	SAMBALPUR	KUCHINDA	GOSHA	200	12	6	3.1	7
461	SAMBALPUR	KUCHINDA	KUCHINDA TOWN 1	2097	126	63	3.0	12
462	SAMBALPUR	KUCHINDA	SAIDA	133	8	7	5.0	11
463	SAMBALPUR	KUCHINDA	TOWN-2	416	25	16	3.8	12
464	SAMBALPUR	KUCHINDA	KUSUMI	233	14	19	8.0	58
465	SAMBALPUR	KUSUMI	KUSUMI TOWN	733	44	41	5.6	124
466	SAMBALPUR	KUSUMI	LOIDAGUNA	833	50	46	5.5	85
467	SAMBALPUR	KUSUMI	BANDABAHAL	67	4	4	6.1	31
468	SAMBALPUR	LASA	LASA	349	21	11	3.1	14
469	SAMBALPUR	LASA	CHANDANIMAL	366	22	22	6.0	56
470	SAMBALPUR	LASA	GUNDUCHUAN	366	22	15	4.0	22
471	SAMBALPUR	RANGIATIKRA	GARDEGA	83	5	3	3.5	13
472	SAMBALPUR	RANGIATIKRA	GHUNGHUTI	116	7	4	3.5	22

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
473	SAMBALPUR	RANGIATIKRA	RANGIATIKRA	166	10	4	2.7	15
474	SAMBALPUR	ARDA(JAMKANI)	BANDHAPALI	651	39	61	9.4	143
475	SAMBALPUR	ARDA(JAMKANI)	DULESARA	367	22	26	7.1	47
476	SAMBALPUR	ARDA(JAMKANI)	JAMKANI	116	7	4	3.5	12
477	SAMBALPUR	BAGDEHI	BAGDIHI	349	21	9	2.4	5
478	SAMBALPUR	BAGDEHI	BHALUPATRA	97	6	5	5.5	43
479	SAMBALPUR	BAGDEHI	BHIMJORE	238	14	11	4.7	26
480	SAMBALPUR	BAGDEHI	TUMBADIHI	333	20	10	3.1	19
481	SAMBALPUR	DURLAGA(CACHERY)	COLLECTORA	1999	120	91	4.6	10
482	SAMBALPUR	DURLAGA(CACHERY)	LIC_DURLAGA(CACHERY)	432	26	10	2.4	13
483	SAMBALPUR	DURLAGA(CACHERY)	TALPATIA	2166	130	131	6.0	38
484	SAMBALPUR	LAHANDABUD	HKATAPALI	749	45	22	3.0	20
485	SAMBALPUR	LAHANDABUD	HOUSING BOARD	749	45	23	3.1	8
486	SAMBALPUR	LAHANDABUD	INDUSTRIAL	666	40	24	3.6	16
487	SAMBALPUR	MEDICAL-DHH	DHH-1	183	11	6	3.5	0
488	SAMBALPUR	MEDICAL-DHH	CARDIAC-1	33	2	2	5.9	1
489	SAMBALPUR	MEDICAL-DHH	CARDIAC-2	133	8	2	1.7	1
490	SAMBALPUR	MEDICAL-DHH	STAFF	733	44	38	5.2	41
491	SAMBALPUR	PURNA	DEBADIHI	133	8	8	5.9	24
492	SAMBALPUR	PURNA	JHADESWER	2432	146	226	9.3	19
493	SAMBALPUR	PURNA	KALIMANDIR	4467	268	596	13.3	33
494	SAMBALPUR	PURNA	SIRIPALI	200	12	8	3.9	17
495	SAMBALPUR	SARASMAL	IB	834	50	69	8.3	28
496	SAMBALPUR	SARASMAL	JSG -III	2897	174	117	4.0	14
497	SAMBALPUR	SARASMAL	JSG-I	4798	288	424	8.8	10
498	SAMBALPUR	SARASMAL	KACHERY	3165	190	384	12.1	15
499	SAMBALPUR	SARASMAL	LIC	3249	195	317	9.8	42
500	SAMBALPUR	SARASMAL	OMP	2667	160	365	13.7	46

Received on Nanda

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
501	SAMBALPUR	SARBAHAL	DURGAMANDAP	2729	164	77	2.8	2
502	SAMBALPUR	SARBAHAL	SRIPURA	2447	147	335	13.7	133
503	SAMBALPUR	SARBAHAL	SUNARIMUNDA	3045	183	84	2.8	6
504	SAMBALPUR	BADMAL	BADMAL	916	55	39	4.3	32
505	SAMBALPUR	BADMAL	HIRMA	1167	70	101	8.6	111
506	SAMBALPUR	BADMAL	SINGHABADA	333	20	13	3.9	15
507	SAMBALPUR	JHARIABAHAL	PAKELPADA	283	17	11	3.9	25
508	SAMBALPUR	JHARIABAHAL	TAPAGUNJA	267	16	22	8.1	93
509	SAMBALPUR	JHARIABAHAL	TILEIMAL	350	21	17	5.0	36
510	SAMBALPUR	JHARIABAHAL	SAHASPUR(JHARIABAHAL)	233	14	18	7.5	68
511	SAMBALPUR	KIRMIRA	LINE 2 KIRIMIRA	170	10	6	3.5	10
512	SAMBALPUR	KIRMIRA	BEHERAMAL	100	6	5	5.4	27
513	SAMBALPUR	KIRMIRA	LINE-3-NAXAPALI	240	14	7	3.0	13
514	SAMBALPUR	KOLABIRA	JHIRLAPALI	1166	70	99	8.5	103
515	SAMBALPUR	KOLABIRA	KOLABIRA	499	30	13	2.6	8
516	SAMBALPUR	KOLABIRA	RAGHUNATH-PALI	799	48	40	5.0	70
517	SAMBALPUR	KOLABIRA	SAMASINGHA	667	40	52	7.8	69
518	SAMBALPUR	LAIKERA	MUNDRAJORE	884	53	91	10.3	131
519	SAMBALPUR	LAIKERA	BHATLAIDA	283	17	17	6.1	23
520	SAMBALPUR	LAIKERA	LAIEKRA	316	19	7	2.3	10
521	SAMBALPUR	LAIKERA	SAHASPUR	266	16	8	3.1	23
522	SAMBALPUR	SODAMAL	BEUNRA	33	2	4	12.3	15
523	SAMBALPUR	SODAMAL	SODAMAL	250	15	10	4.0	10
524	SAMBALPUR	LAKHANPUR	LINE-1 LAKHANPUR	392	24	19	4.9	42
525	SAMBALPUR	BANDHBAHAL	BALANDA	1101	66	134	12.2	103
526	SAMBALPUR	BANDHBAHAL	GANESH NAGAR	3337	200	200	6.0	10
527	SAMBALPUR	BANDHBAHAL	BANDHBAHAL	824	49	38	4.6	49
528	SAMBALPUR	DHULUNDA	CHARPALI	1016	61	53	5.2	37

Leighwood & Vendor.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
529	SAMBALPUR	DHULUNDA	DEHERIDHIPA	732	44	29	3.9	31
530	SAMBALPUR	DHULUNDA	KANAKTORA	1254	75	132	10.5	55
531	SAMBALPUR	DHULUNDA	REMDA	516	31	23	4.4	29
532	SAMBALPUR	GOVINDPUR	11 KV BHANRAKHOL (NEW)	834	50	105	12.6	124
533	SAMBALPUR	GOVINDPUR	11 KV KADAMDIHI	117	7	7	5.6	27
534	SAMBALPUR	GOVINDPUR	KUREMAL	166	10	9	5.1	18
535	SAMBALPUR	GOVINDPUR	LINE-2 KUDABAGA	100	6	4	3.6	10
536	SAMBALPUR	JHARUAPADA	BALAJI FFEDER	35	2	1	4.2	1
537	SAMBALPUR	JHARUAPADA	BHIKAMPALI	416	25	18	4.2	20
538	SAMBALPUR	JHARUAPADA	JAMGAON FDR	1183	71	77	6.5	76
539	SAMBALPUR	JHARUAPADA	RENGALI	1183	71	63	5.3	43
540	SAMBALPUR	MUCHBAHAL	JORABAGA	249	15	7	2.8	20
541	SAMBALPUR	MUCHBAHAL	JUNADIHI	2167	130	179	8.3	51
542	SAMBALPUR	MUCHBAHAL	KANTATIKRA	316	19	11	3.3	23
543	SAMBALPUR	MUCHBAHAL	TOWN	3849	231	513	13.3	94
544	SAMBALPUR	PANDRI	11 KV SINGHEIPALI	350	21	26	7.4	70
545	SAMBALPUR	PANDRI	CHARPALI_PANDRI	366	22	17	4.6	31
546	SAMBALPUR	PANDRI	PIPLIKANI LINE-1	233	14	11	4.8	43
547	SAMBALPUR	BRAJRAJNAGAR	BRAJARAJNAGAR	2366	142	247	10.4	39
548	SAMBALPUR	BRAJRAJNAGAR	GANDHI CHOWK	1499	90	67	4.5	16
549	SAMBALPUR	BRAJRAJNAGAR	LAMTIBAHAL	2833	170	269	9.5	26
550	SAMBALPUR	BRAJRAJNAGAR	TELANPALLI	1082	65	40	3.7	12
551	SAMBALPUR	GANDHI CHOWK	11 KV BADJOB	416	25	14	3.3	27
552	SAMBALPUR	GANDHI CHOWK	11 KV LOISING	666	40	40	6.1	57
553	SAMBALPUR	GANDHI CHOWK	11 KV RAJPUR	667	40	42	6.3	43
554	SAMBALPUR	GANDHI CHOWK	11 KV TOWN	333	20	7	2.2	3
555	SAMBALPUR	AINTHAPALI	BHALUPALI	1673	100	168	10.1	36
556	SAMBALPUR	AINTHAPALI	BUDHARAJA SCHOOL	2498	150	98	3.9	7

Reviewed by Nanda.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
557	SAMBALPUR	AINTHAPALI	BURLA	1249	75	72	5.7	2
558	SAMBALPUR	AINTHAPALI	COLLEGE	3396	204	248	7.3	9
559	SAMBALPUR	AINTHAPALI	FAMILY PLANNING	4282	257	312	7.3	11
560	SAMBALPUR	AINTHAPALI	FATAK	3609	217	345	9.6	10
561	SAMBALPUR	AINTHAPALI	GOPALPALI	1662	100	121	7.3	33
562	SAMBALPUR	AINTHAPALI	INDUSTRIAL	366	22	10	2.6	3
563	SAMBALPUR	AINTHAPALI	KHETRAJPUR	3349	201	278	8.3	15
564	SAMBALPUR	AINTHAPALI	RAW WATER	2799	168	159	5.7	8
565	SAMBALPUR	AINTHAPALI	REMED	2892	173	297	10.3	18
566	SAMBALPUR	KAINSIR	KAINSIR	566	34	17	3.0	4
567	SAMBALPUR	KAINSIR	33/KAINSIR PSS TO BALBASPUR	666	40	31	4.6	27
568	SAMBALPUR	KAINSIR	33/KAINSIR PSS TO BARMUNDA	266	16	11	3.9	7
569	SAMBALPUR	BURLA	CONTRACTOR-COLONY	1601	96	52	3.3	7
570	SAMBALPUR	BURLA	MARKET-FEEDER	737	44	16	2.2	2
571	SAMBALPUR	BURLA	UCE	2234	134	107	4.8	14
572	SAMBALPUR	BURLA	WESCO	2493	150	110	4.4	16
573	SAMBALPUR	BURLA MEDICAL	DOCTOR-COLONY	1148	69	31	2.7	13
574	SAMBALPUR	BURLA MEDICAL	KV HOSTEL	532	32	13	2.4	3
575	SAMBALPUR	BURLA MEDICAL	MEDICAL-1	1497	90	32	2.2	3
576	SAMBALPUR	BURLA MEDICAL	SOLAR	782	47	21	2.7	5
577	SAMBALPUR	JYOTIBIHAR	BHUNDUNGURIPADARD	250	15	11	4.4	8
578	SAMBALPUR	JYOTIBIHAR	GOLKUNDA	682	41	19	2.8	6
579	SAMBALPUR	JYOTIBIHAR	K TAPALI	500	30	21	4.2	25
580	SAMBALPUR	JYOTIBIHAR	LADIES-HOSTEL	599	36	22	3.7	11
581	SAMBALPUR	CHIPILIMA	BASANTPUR	666	40	26	3.9	20
582	SAMBALPUR	CHIPILIMA	TULANDI(CHIPILIMA)	850	51	52	6.1	49
583	SAMBALPUR	CHORPUR	BADASINGHARI	233	14	8	3.3	13
584	SAMBALPUR	CHORPUR	MUNDAGHAT	283	17	10	3.4	17

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
585	SAMBALPUR	CHORPUR	SENHAPALI	268	16	14	5.2	18
586	SAMBALPUR	GOSHALA	BURLA	1382	83	62	4.5	15
587	SAMBALPUR	GOSHALA	GODBHAGA	1166	70	47	4.0	15
588	SAMBALPUR	GOSHALA	KALAMATI	283	17	11	3.9	15
589	SAMBALPUR	GOSHALA	MAHALAXMI	1383	83	77	5.6	16
590	SAMBALPUR	GOSHALA	MUNDOGHAT	376	23	11	2.9	14
591	SAMBALPUR	GOSHALA	TULANDI(GOSHALA)	483	29	22	4.5	9
592	SAMBALPUR	HIRAKUD	ALIND RE	1033	62	54	5.3	35
593	SAMBALPUR	HIRAKUD	GANDHINAGAR	2114	127	73	3.4	11
594	SAMBALPUR	HIRAKUD	HPCL	2120	127	331	15.6	9
595	SAMBALPUR	HIRAKUD	MEDICAL-1	1065	64	31	3.0	5
596	SAMBALPUR	HIRAKUD	SAMBALPUR-1	999	60	28	2.8	12
597	SAMBALPUR	HIRAKUD	SAMBALPUR-2	796	48	52	6.5	34
598	SAMBALPUR	BADABAZAR	BADABAZAR	2746	165	83	3.0	4
599	SAMBALPUR	BADABAZAR	FARM ROAD	2495	150	56	2.2	6
600	SAMBALPUR	BADABAZAR	SAMALESWARI	748	45	15	2.1	2
601	SAMBALPUR	CHERUAPADA	RAILWAY	999	60	27	2.7	2
602	SAMBALPUR	CHERUAPADA	BULIBANDH	2936	176	172	5.9	11
603	SAMBALPUR	CHERUAPADA	HOSPITAL	256	15	7	2.5	2
604	SAMBALPUR	CHERUAPADA	PHD	2678	161	117	4.4	7
605	SAMBALPUR	PUTIBANDH	BHUTAPADA	4114	247	445	10.8	5
606	SAMBALPUR	PUTIBANDH	BROOKS HILL	5286	317	1342	25.4	39
607	SAMBALPUR	PUTIBANDH	GOLEBAZAR	2248	135	109	4.8	1
608	SAMBALPUR	PUTIBANDH	NEW CS COLONY	2499	150	134	5.4	10
609	SAMBALPUR	PUTIBANDH	SHIKHAPARA	4763	286	521	10.9	19
610	SAMBALPUR	DHAMA	DHAMA	1350	81	105	7.7	44
611	SAMBALPUR	DHAMA	INDUSTRY	816	49	28	3.5	10
612	SAMBALPUR	DHAMA	KHINDA	1134	68	97	8.5	119

Withheld on Vendor.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
613	SAMBALPUR	DHAMA	LARASARA	1082	65	92	8.5	68
614	SAMBALPUR	GUNDERPUR	GUNDERPUR	733	44	37	5.0	42
615	SAMBALPUR	GUNDERPUR	SAHASPUR	1453	87	135	9.3	96
616	SAMBALPUR	PADIABAHAL	BAHAMPUR	484	29	40	8.3	65
617	SAMBALPUR	PADIABAHAL	JAYANTPUR FDR	1901	114	163	8.6	85
618	SAMBALPUR	PADIABAHAL	PADIABAHAL	1761	106	346	19.7	189
619	SAMBALPUR	PUTIBANDH	DHANUPALI	5998	360	374	6.2	27
620	SAMBALPUR	PUTIBANDH	MAHAVEER	2383	143	181	7.6	24
621	SAMBALPUR	PUTIBANDH	SINDURPANKHA	2266	136	151	6.6	24
622	SAMBALPUR	MANESWAR	MANESWAR	1647	99	169	10.3	11
623	SAMBALPUR	MANESWAR	TALPALI	483	29	20	4.1	10
624	SAMBALPUR	BATGAON	BATGAON TOWN	117	7	21	17.8	101
625	SAMBALPUR	BATGAON	JAMJODI	100	6	8	8.0	52
626	SAMBALPUR	BATGAON	SALEBATA	100	6	13	12.8	54
627	SAMBALPUR	KADALIGARH	KANKANPADA	266	16	15	5.5	34
628	SAMBALPUR	KADALIGARH	MADHUPUR	1033	62	69	6.7	15
629	SAMBALPUR	KADALIGARH	TRIBANPUR	0	0	0	100.0	8
630	SAMBALPUR	HATIBARI(SAMBALPUR)	BASIAPADA	167	10	7	4.3	45
631	SAMBALPUR	HATIBARI(SAMBALPUR)	HATIBARI	67	4	12	18.6	77
632	SAMBALPUR	HATIBARI(SAMBALPUR)	MEGHAPAL	732	44	107	14.6	284
633	SAMBALPUR	HATIBARI(SAMBALPUR)	MUNDHAR	233	14	17	7.3	78
634	SAMBALPUR	HERO	BADASAHI	2657	159	1064	40.0	275
635	SAMBALPUR	HERO	HERO	385	23	14	3.7	24
636	SAMBALPUR	HERO	NEW BARANGAMAL	250	15	7	3.0	24
637	SAMBALPUR	JUJUMARA	JUJUMURA	600	36	99	16.4	296
638	SAMBALPUR	JUJUMARA	RAMBADAMAL	616	37	43	7.0	57
639	SAMBALPUR	KISINDA	BALARAMA	117	7	11	9.4	57
640	SAMBALPUR	KISINDA	GIRISHCHANDRAPUR	150	9	14	9.3	66

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Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
641	SAMBALPUR	KISINDA	PANIMURA	267	16	29	10.7	155
642	SAMBALPUR	NAKTIDEUL	BATGAON	145	9	13	8.9	47
643	SAMBALPUR	NAKTIDEUL	DAINCHA	565	34	92	16.3	215
644	SAMBALPUR	NAKTIDEUL	JAGANNATHPRASAD	136	8	4	3.1	7
645	SAMBALPUR	NAKTIDEUL	KISINDA	330	20	29	8.9	94
646	SAMBALPUR	NAKTIDEUL	MICRO	83	5	11	13.2	38
647	SAMBALPUR	NAKTIDEUL	NAKTIDEUL	130	8	3	2.1	1
648	SAMBALPUR	RAIRAKHOL	BARBANK	1017	61	168	16.5	234
649	SAMBALPUR	RAIRAKHOL	CHARMAL	467	28	38	8.2	52
650	SAMBALPUR	RAIRAKHOL	COLLEGE	249	15	7	2.7	11
651	SAMBALPUR	RAIRAKHOL	KADALIGARH	501	30	56	11.1	162
652	SAMBALPUR	RAIRAKHOL	LUHAPANK	367	22	22	6.1	88
653	SAMBALPUR	RAIRAKHOL	RAIRAKHOL	1449	87	71	4.9	20
654	SAMBALPUR	KATARBAGHA	KATARBAG TOWN	692	42	41	6.0	31
655	SAMBALPUR	KATARBAGHA	TAMPERKELA	1658	99	200	12.1	98
656	SAMBALPUR	LAIDA	KANTAPLAI	0	0	0	0.0	0
657	SAMBALPUR	LAIDA	LAIDA	183	11	14	7.4	29
658	SAMBALPUR	LAIDA	RANGALI	533	32	40	7.6	38
659	SAMBALPUR	LAPANGA	KHINDA	832	50	29	3.5	25
660	SAMBALPUR	LAPANGA	LAPANGA	499	30	15	3.0	9
661	SAMBALPUR	LAPANGA	THELKOLI	1333	80	83	6.2	18
662	SAMBALPUR	PARMANPUR	MURA	970	58	65	6.7	86
663	SAMBALPUR	PARMANPUR	PANDRI	753	45	37	5.0	41
664	SAMBALPUR	PARMANPUR	PARMANPUR(PARMANPUR)	1584	95	192	12.1	120
665	SAMBALPUR	RENGALI	KHIASAHI	749	45	36	4.8	28
666	SAMBALPUR	RENGALI	KITARBAGA	400	24	20	5.1	30
667	SAMBALPUR	RENGALI	LAPANGA(RANGALI)	749	45	26	3.4	19
668	SAMBALPUR	RENGALI	RENGALI	1798	108	59	3.3	5

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Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
669	SAMBALPUR	RENGALI	SALAD	67	4	2	3.7	6
670	SAMBALPUR	RENGALI NEW	INDUSTRIAL	1016	61	38	3.7	7
671	SAMBALPUR	RENGALI NEW	NISHABHANGA	233	14	8	3.6	10
672	SAMBALPUR	RENGALI NEW	SAPNE	349	21	12	3.3	12
673	SAMBALPUR	SASON	MAJHIPALI	899	54	29	3.2	10
674	SAMBALPUR	SASON	PARMANPUR (SASON)	883	53	52	5.8	62
675	SAMBALPUR	SASON	SASON	2317	139	181	7.8	85
676	SAMBALPUR	SODAMAL	JUNADIHI	166	10	10	5.8	25
677	BOLANGIR	INDUSTRIAL ESTATE BOL	INDUSTRIAL EST 1	3015	181	142	4.7	16
678	BOLANGIR	INDUSTRIAL ESTATE BOL	INDUSTRIAL EST 2	2349	141	118	5.0	7
679	BOLANGIR	INDUSTRIAL ESTATE BOL	INDUSTRIAL EST 3	432	26	12	2.7	7
680	BOLANGIR	INDUSTRIAL ESTATE BOL	INDUSTRIAL EST 4	1265	76	44	3.4	28
681	BOLANGIR	INDUSTRIAL ESTATE BOL	INDUSTRIAL EST 5	2008	120	80	4.0	8
682	BOLANGIR	JAIL	GANDHINAGAR	2513	151	75	3.0	6
683	BOLANGIR	LALITIKRA	FEEDER 1	2581	155	95	3.7	8
684	BOLANGIR	LALITIKRA	FEEDER 2	1897	114	58	3.1	7
685	BOLANGIR	LALITIKRA	FEEDER 3	2280	137	71	3.1	32
686	BOLANGIR	LALITIKRA	RE	416	25	14	3.3	21
687	BOLANGIR	POWER HOUSE BOL	HATISAL	1780	107	40	2.2	3
688	BOLANGIR	POWER HOUSE BOL	MALPADA	3445	207	91	2.6	5
689	BOLANGIR	POWER HOUSE BOL	BRAHMANPADA	3456	209	189	5.5	6
690	BOLANGIR	SUDPADA	KANSARIPADA	2829	170	69	2.4	4
691	BOLANGIR	KENDUMUNDI	BHARSUJA (KENDUMUNDI)	499	30	16	3.3	25
692	BOLANGIR	KENDUMUNDI	BINDHAPALI	416	25	19	4.5	29
693	BOLANGIR	KENDUMUNDI	KHALIAPALI	166	10	5	2.9	12
694	BOLANGIR	KENDUMUNDI	PANDESARA	366	22	15	4.1	11
695	BOLANGIR	LOISINGHA	LOISINGHA	1498	90	53	3.5	30
696	BOLANGIR	LOISINGHA	MENDA	2804	168	737	26.3	92

Estimated by Nanda.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
697	BOLANGIR	LOISINGHA	NAGAON (LOISINGHA)	2032	122	168	8.2	33
698	BOLANGIR	SALEBHATA	BAKTI	1995	120	408	20.5	118
699	BOLANGIR	SALEBHATA	DUDUKA	1081	65	81	7.5	40
700	BOLANGIR	SALEBHATA	LUPURSINGHA	3997	240	1050	26.3	105
701	BOLANGIR	SALEBHATA	SALEBHATA	632	38	20	3.2	14
702	BOLANGIR	AGALPUR	BHARSUJA (AGALPUR)	83	5	2	2.5	2
703	BOLANGIR	AGALPUR	NUAGAON (AGALPUR)	1461	88	104	7.1	90
704	BOLANGIR	AGALPUR	RENGALI	1600	96	91	5.7	54
705	BOLANGIR	AGALPUR	ROTH	700	42	55	7.8	83
706	BOLANGIR	BUDHABAHAL	TEPREN	500	30	24	4.7	34
707	BOLANGIR	BUDHABAHAL	BHUTIBAHAL	616	37	32	5.2	75
708	BOLANGIR	BUDHABAHAL	GAMBHARIMAL	533	32	25	4.7	44
709	BOLANGIR	BUDHABAHAL	SARASMAL	599	36	22	3.7	16
710	BOLANGIR	DEAGAON	ADARSH 2	17	1	1	3.3	9
711	BOLANGIR	DEAGAON	DEOGAON	832	50	19	2.3	5
712	BOLANGIR	DEAGAON	GAIBAHAL-1	1838	110	272	14.8	113
713	BOLANGIR	DEAGAON	GAIBAHAL-2	583	35	32	5.5	35
714	BOLANGIR	DEAGAON	SAGARPALI	499	30	16	3.2	6
715	BOLANGIR	DEAGAON	TUSURA	1249	75	66	5.3	37
716	BOLANGIR	JARASINGHA	JARSINGHA	233	14	5	2.1	2
717	BOLANGIR	JARASINGHA	SALEPALI	849	51	26	3.0	14
718	BOLANGIR	JARASINGHA	UDAR	716	43	32	4.5	30
719	BOLANGIR	JARASINGHA	CHANDRAPUR	999	60	30	3.0	11
720	BOLANGIR	TUSRA	ARJUNPUR	2414	145	733	30.4	122
721	BOLANGIR	TUSRA	GUDVELLA	2867	172	1373	47.9	172
722	BOLANGIR	TUSRA	MAHALAI	1632	98	537	32.9	176
723	BOLANGIR	TUSRA	NATRAJ	1099	66	54	4.9	38
724	BOLANGIR	TUSRA	SAMARA	1084	65	82	7.6	56

Highlighted by Nanda

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
725	BOLANGIR	TUSRA	TUSRA TOWN	1581	95	58	3.7	24
726	BOLANGIR	BARAPUDUGIA	CHUDAPALI	666	40	26	3.9	11
727	BOLANGIR	BARAPUDUGIA	GARJAN	1382	83	252	18.2	92
728	BOLANGIR	BARAPUDUGIA	HARDATAL	1999	120	231	11.6	152
729	BOLANGIR	BARAPUDUGIA	PIPALKANI	1410	85	193	13.7	127
730	BOLANGIR	BARAPUDUGIA	SHIBATALA	2249	135	275	12.2	62
731	BOLANGIR	BEHERAPALI	BEHERAPALI (PUINTALA)	166	10	5	2.8	1
732	BOLANGIR	BEHERAPALI	BHALER	1232	74	41	3.3	24
733	BOLANGIR	BEHERAPALI	SANTPUR	817	49	48	5.9	28
734	BOLANGIR	BEHERAPALI	UMRIA	2092	126	147	7.0	114
735	BOLANGIR	BHADRA	JHARMUNDA	1758	105	220	12.5	55
736	BOLANGIR	BHADRA	KANDAJURI	1294	78	82	6.4	23
737	BOLANGIR	BHADRA	SARGADA	2165	130	179	8.3	73
738	BOLANGIR	CHHATMAKHANA	CHHUIBANDH	549	33	11	2.0	9
739	BOLANGIR	CHHATMAKHANA	DURGAPALI	2210	133	280	12.7	62
740	BOLANGIR	CHHATMAKHANA	KHARMARMUNDA	549	33	15	2.7	7
741	BOLANGIR	CHHATMAKHANA	KUSUMEL	2112	127	305	14.4	79
742	BOLANGIR	CHHATMAKHANA	PHD	666	40	27	4.1	6
743	BOLANGIR	CHHATMAKHANA	SUJIA	916	55	48	5.2	46
744	BOLANGIR	JAIL	BEHERPALLI (JAIL)	966	58	36	3.7	10
745	BOLANGIR	KASABAHAL	KURUL	200	12	16	8.0	38
746	BOLANGIR	KASABAHAL	MAHIMUNDA	1866	112	94	5.0	28
747	BOLANGIR	KASABAHAL	ODIAPALI	1316	79	63	4.8	32
748	BOLANGIR	MADHIAPALI	MADHIAPALI INDUSTRIAL	466	28	11	2.4	7
749	BOLANGIR	MADHIAPALI	RE MADHIAPALI	75	14	7	9.5	7
750	BOLANGIR	MADHIAPALI	SADEIPALI	1400	84	105	7.5	47
751	BOLANGIR	KUDASINGHA	CHIKALBAHAL	566	34	20	3.5	10
752	BOLANGIR	KUDASINGHA	KUDASINGHA	1100	66	138	12.6	92

Recommended for Nomination.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
753	BOLANGIR	KUDASINGHA	SIKCHHAIDA	433	26	17	4.0	28
754	BOLANGIR	BHATABAHALI	JULUNDA	900	54	54	5.9	30
755	BOLANGIR	BHATABAHALI	KAPASIRA	1831	110	66	3.6	37
756	BOLANGIR	BHATABAHALI	SALEPALI	1034	62	112	10.9	71
757	BOLANGIR	BHATABAHALI	TAMAMURA	1132	68	46	4.1	29
758	BOLANGIR	BINKA	BINKA	1847	111	62	3.4	15
759	BOLANGIR	BINKA	GULUNDA	616	37	35	5.7	34
760	BOLANGIR	BINKA	GULUNDA AGRICULTURE	316	19	8	2.6	6
761	BOLANGIR	BINKA	INDUSTRIAL (BINKA)	416	25	13	3.0	16
762	BOLANGIR	BINKA	MAHADEVPALI (BINKA)	100	6	2	2.0	3
763	BOLANGIR	BINKA	RAMPUR	1000	60	51	5.1	14
764	BOLANGIR	BINKA	SANKERA	799	48	33	4.2	23
765	BOLANGIR	BISHALPALI	INDUSTRIAL (BISHALPALI)	998	60	19	1.9	4
766	BOLANGIR	BISHALPALI	BANKIGINDI	1600	96	219	13.7	83
767	BOLANGIR	BISHALPALI	KADLIPALI	833	50	48	5.7	35
768	BOLANGIR	BISHALPALI	SINDURPUR	1199	72	65	5.4	23
769	BOLANGIR	BISHALPALI	SINGHJUBA	1366	82	57	4.1	28
770	BOLANGIR	CHERUPALI	CHERUPALLI	783	47	37	4.7	44
771	BOLANGIR	CHERUPALI	DUNGRUIPALLI	1679	101	120	7.2	37
772	BOLANGIR	CHERUPALI	PANDKITAL	1523	91	234	15.4	37
773	BOLANGIR	CHERUPALI	SARGUL	2589	155	392	15.1	137
774	BOLANGIR	PANKITAL	BADKERLEY	2850	171	273	9.6	103
775	BOLANGIR	PANKITAL	MAYABARHA	749	45	22	3.0	23
776	BOLANGIR	PANKITAL	RAMPUR	899	54	27	3.0	16
777	BOLANGIR	SALEDI	BHAMARPALI	1665	100	73	4.4	52
778	BOLANGIR	SALEDI	IRRIGATION	499	30	18	3.6	15
779	BOLANGIR	SALEDI	KAINTARA	1300	78	113	8.7	36
780	BOLANGIR	SALEDI	MAHADEVPALI (SALEDI)	1499	90	77	5.2	38

Verified by Mandal.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
781	BOLANGIR	AINLACHAT	CHADHEIPANK	1506	90	166	11.0	80
782	BOLANGIR	AINLACHAT	SINDHOL(AINLACHAT)	1134	68	82	7.2	48
783	BOLANGIR	AINLACHAT	SULIA	167	10	13	7.7	38
784	BOLANGIR	ULLUNDA	MARALOI	300	18	16	5.3	31
785	BOLANGIR	ULLUNDA	ULLNDA	333	20	7	2.1	2
786	BOLANGIR	ULLUNDA	GANDABAHAL	333	20	9	2.8	11
787	BOLANGIR	ULLUNDA	GOEDMARA	366	22	23	6.3	61
788	BOLANGIR	ULLUNDA	HIKUNDI (ULLUNDA)	817	49	49	6.0	44
789	BOLANGIR	ULLUNDA	HINGMA-I	750	45	43	5.8	42
790	BOLANGIR	ULLUNDA	THENGO	651	39	83	12.7	185
791	BOLANGIR	BM-PUR	TELIPALI	833	50	68	8.2	55
792	BOLANGIR	BM-PUR	BM PUR	1248	75	45	3.6	34
793	BOLANGIR	BM-PUR	CHAMPAPUR	1183	71	58	4.9	27
794	BOLANGIR	BM-PUR	DHARMASALA	914	55	73	8.0	51
795	BOLANGIR	BM-PUR	JALOI	1352	81	131	9.7	106
796	BOLANGIR	BM-PUR	STRUCTURE	549	33	14	2.5	6
797	BOLANGIR	MURSUNDI	MANIKPUR	1333	80	92	6.9	52
798	BOLANGIR	MURSUNDI	BUTHIPADAR	1032	62	52	5.1	79
799	BOLANGIR	MURSUNDI	KHANDOKATA	1000	60	68	6.8	60
800	BOLANGIR	MURSUNDI	MURSUNDI	915	55	26	2.8	22
801	BOLANGIR	RAXA CHOWK	HINGMA-II	649	39	34	5.3	54
802	BOLANGIR	RAXA CHOWK	HIKUDI CHOWK	583	35	36	6.2	45
803	BOLANGIR	SUBALAYA	JATESINGHA	633	38	24	3.7	15
804	BOLANGIR	SUBALAYA	KAMIRA	216	13	7	3.1	6
805	BOLANGIR	SUBALAYA	SUBALAYA	816	49	32	3.9	10
806	BOLANGIR	SUBALAYA	GARIAMUNDA	583	35	40	6.8	65
807	BOLANGIR	CHARBHATA	BALIKHAMAR	934	56	85	9.1	48
808	BOLANGIR	CHARBHATA	CHARBHATA	916	55	40	4.3	8

Registered Office Burla.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
809	BOLANGIR	CHARBHATA	RENGSA	1100	66	69	6.3	36
810	BOLANGIR	DUMERBAHAL	JAMGAON	783	47	50	6.4	54
811	BOLANGIR	DUMERBAHAL	JHARBALANGIR	1269	76	118	9.3	50
812	BOLANGIR	DUMERBAHAL	TARVA	1560	94	98	6.3	93
813	BOLANGIR	HARDOKHOL	BAIDYANATH	1017	61	68	6.7	32
814	BOLANGIR	HARDOKHOL	BISIMUNDA	1494	90	424	28.3	114
815	BOLANGIR	HARDOKHOL	HARDOKHOL	1166	70	70	6.0	26
816	BOLANGIR	HARDOKHOL	KHAMBESWARIPALLI	1266	76	151	11.9	32
817	BOLANGIR	HARDOKHOL	MAJHI-MUNDA	666	40	40	6.1	10
818	BOLANGIR	HEADKITIKRA-KALAPATHAR	JAMMURA	783	47	38	4.8	22
819	BOLANGIR	HEADKITIKRA-KALAPATHAR	KALAPATHAR	1249	75	49	4.0	21
820	BOLANGIR	SONEPUR NEW	BADBAZAR	1665	100	60	3.6	11
821	BOLANGIR	SONEPUR NEW	COLLECTORATE	1431	86	36	2.5	10
822	BOLANGIR	SONEPUR NEW	MEDICAL	500	30	21	4.3	2
823	BOLANGIR	SONEPUR OLD	HARDOKHOL-TOWN	1547	93	40	2.6	11
824	BOLANGIR	SONEPUR OLD	JANMURA-TOWN	1050	63	60	5.8	9
825	BOLANGIR	SONEPUR OLD	MAJHIPADA	1365	82	50	3.7	6
826	BOLANGIR	SONEPUR OLD	SHANTI-NAGAR	1465	88	51	3.5	7
827	BOLANGIR	DUBLA	BAGHIA	1216	73	62	5.1	19
828	BOLANGIR	DUBLA	LUKAPALI	1752	105	243	13.9	82
829	BOLANGIR	DUBLA	TALPADAR	700	42	36	5.1	53
830	BOLANGIR	DUBLA	PURUNAPANI	533	32	25	4.7	23
831	BOLANGIR	KHARI	BIJEPADAR	2007	120	212	10.5	66
832	BOLANGIR	KHARI	NARAYANPUR	1422	85	160	11.2	64
833	BOLANGIR	KHARI	PUA	1084	65	123	11.3	87
834	BOLANGIR	KHARI	TARAIKELA	699	42	28	4.0	9
835	BOLANGIR	KHARI	KENDUMUNDA	916	55	77	8.4	49
836	BOLANGIR	KHARI	MAHULA	833	50	39	4.7	45

Highlighted on Nandan

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
837	BOLANGIR	TARVA	SARGAJ	1266	76	63	5.0	22
838	BOLANGIR	TARVA	TARVA TOWN 2	1299	78	59	4.5	10
839	BOLANGIR	TARVA	TARVA TOWN1	1348	81	42	3.1	18
840	BOLANGIR	TARVA	TANTULIKHUNI	550	33	38	6.8	33
841	BOLANGIR	BAGABAHAL	BELPADA	300	18	8	2.8	3
842	BOLANGIR	BAGABAHAL	BHALUMUNDA	1066	64	60	5.6	33
843	BOLANGIR	BAGABAHAL	JURABANDH	433	26	29	6.8	36
844	BOLANGIR	BAGABAHAL	SORGUL	216	13	13	6.2	28
845	BOLANGIR	BANGOMUNDA	BHALUMUNDA_12	183	11	7	3.7	14
846	BOLANGIR	BANGOMUNDA	BONGOMUNDA	832	50	28	3.3	8
847	BOLANGIR	BANGOMUNDA	GOHIRAPADER	582	35	20	3.4	12
848	BOLANGIR	BANGOMUNDA	LUKAPADA	167	10	14	8.7	28
849	BOLANGIR	DABRI	DABRI	533	32	23	4.3	29
850	BOLANGIR	DABRI	DHAMANDONGA	766	46	52	6.7	64
851	BOLANGIR	DABRI	DUMERCHUAN	516	31	31	6.1	57
852	BOLANGIR	GUDIGHAT	CHALKI	658	39	42	6.4	40
853	BOLANGIR	GUDIGHAT	CHANABAHAL	616	37	35	5.6	41
854	BOLANGIR	GUDIGHAT	ANDALDORO	345	21	15	4.4	21
855	BOLANGIR	GUDIGHAT	ANTARLA	579	35	30	5.2	38
856	BOLANGIR	KANTABANJI	ASHRAM PADA	1048	63	34	3.2	12
857	BOLANGIR	KANTABANJI	TOWN-1	2782	167	126	4.5	17
858	BOLANGIR	KANTABANJI	TOWN-2	2499	150	132	5.3	27
859	BOLANGIR	MURIBAHAL	GUDIA HAT	433	26	15	3.5	17
860	BOLANGIR	MURIBAHAL	JAMUNA	333	20	14	4.1	13
861	BOLANGIR	MURIBAHAL	TOWN	333	20	9	2.8	5
862	BOLANGIR	MURIBAHAL	DUBUNG	1083	65	83	7.6	57
863	BOLANGIR	MURIBAHAL	TUPAVDHAR	934	56	78	8.4	76
864	BOLANGIR	TUREIKELA	BADABANKI	584	35	72	12.3	68

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
865	BOLANGIR	TUREIKELA	GHUNESH	500	30	46	9.1	54
866	BOLANGIR	TUREIKELA	R.E	1665	100	214	12.9	74
867	BOLANGIR	TUREIKELA	TUREIKELA	249	15	8	3.0	11
868	BOLANGIR	BELPADA	BELPADA	1134	68	33	2.9	20
869	BOLANGIR	BELPADA	FACTORY	300	18	8	2.8	20
870	BOLANGIR	BELPADA	GHAGURLI	1002	60	56	5.5	103
871	BOLANGIR	BELPADA	KAPANI	467	28	20	4.2	42
872	BOLANGIR	BELPADA	MANDAL	300	18	7	2.4	7
873	BOLANGIR	BELPADA	NAVODAYA	83	5	2	2.2	2
874	BOLANGIR	BELPADA	PADAMPUR	83	5	2	2.4	3
875	BOLANGIR	DHUMABHATA	DHUMABHATA	533	32	20	3.7	17
876	BOLANGIR	DHUMABHATA	JUBA	1153	69	57	5.0	91
877	BOLANGIR	DHUMABHATA	RADBAHAL	903	54	43	4.8	27
878	BOLANGIR	DHUMABHATA	SULEIKALA	735	44	30	4.1	86
879	BOLANGIR	GHUMER	DALAPALI	950	57	33	3.5	38
880	BOLANGIR	GHUMER	TAMIA&THAISOM	755	45	76	10.1	96
881	BOLANGIR	JURIA	DAMAIPALI	698	42	41	5.8	45
882	BOLANGIR	JURIA	GHAGRA-BHATLI	155	9	6	3.9	15
883	BOLANGIR	JURIA	JURIA	176	11	10	5.4	20
884	BOLANGIR	JURIA	LUHASINGHA	323	19	11	3.5	16
885	BOLANGIR	KANUT	BHARUAPALI	695	42	35	5.1	99
886	BOLANGIR	KANUT	NUAHAD	386	23	24	6.1	75
887	BOLANGIR	KANUT	SALANDI	715	43	48	6.8	177
888	BOLANGIR	KANUT	TANLA	939	56	80	8.5	150
889	BOLANGIR	KHAPRAKHOL	BHALDUNGARI	250	15	17	7.0	37
890	BOLANGIR	KHAPRAKHOL	DHANDAMUNDA	1433	86	185	12.9	77
891	BOLANGIR	KHAPRAKHOL	HARISANKAR	652	39	49	7.5	64
892	BOLANGIR	KHAPRAKHOL	RENGALI	803	48	71	8.8	74

Kashinath Nanda.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
893	BOLANGIR	LARAMBHA	BAGMUNDA	489	29	38	7.7	70
894	BOLANGIR	LARAMBHA	DANGBAHAL	745	45	55	7.4	60
895	BOLANGIR	LARAMBHA	LARAMBHA	351	21	15	4.3	18
896	BOLANGIR	LATHORA	BAGDIHA	167	10	11	6.6	21
897	BOLANGIR	LATHORA	BENDIR	200	12	10	5.1	19
898	BOLANGIR	LATHORA	BUSSTAND	433	26	12	2.7	9
899	BOLANGIR	LATHORA	COLONY PADA	384	23	22	5.7	26
900	BOLANGIR	LATHORA	TANKAPANI	333	20	11	3.3	24
901	BOLANGIR	PATNAGARH	BATHARLA	2460	147	322	13.1	103
902	BOLANGIR	PATNAGARH	OLD GHASIAN	1353	81	192	14.2	99
903	BOLANGIR	PATNAGARH	PHD	667	40	18	2.6	5
904	BOLANGIR	PATNAGARH	TOWN-1	1266	76	30	2.4	6
905	BOLANGIR	PATNAGARH	TOWN-2	2858	172	125	4.4	10
906	BOLANGIR	TANDAPADAR	BADAJHANKARPALI	635	38	37	5.8	26
907	BOLANGIR	TANDAPADAR	BHAISA	350	21	19	5.3	28
908	BOLANGIR	TANDAPADAR	RAMPUR	450	27	17	3.7	18
909	BOLANGIR	THAKPADA	BANJARI	1785	107	338	19.0	70
910	BOLANGIR	THAKPADA	GMBHARI	518	31	29	5.6	39
911	BOLANGIR	THAKPADA	JOGIMUNDA	1107	66	95	8.6	71
912	BOLANGIR	THAKPADA	MATIKHAI	568	34	33	5.8	41
913	BOLANGIR	KARAMTALA	TIKRAPADA	536	32	45	8.5	58
914	BOLANGIR	BELGAON	BADIPADA	706	42	69	9.8	44
915	BOLANGIR	BELGAON	PHD	117	7	6	4.9	19
916	BOLANGIR	BELGAON	BHADRA	768	46	41	5.3	45
917	BOLANGIR	BELGAON	BIJEPUR	802	48	61	7.6	70
918	BOLANGIR	BELGAON	GHUNSIR	1058	63	96	9.1	67
919	BOLANGIR	KARMATALA	PATAMARA	83	5	5	6.1	24
920	BOLANGIR	KARMATALA	KARAMTALA	350	21	15	4.3	35

Lightning at Nonda

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
921	BOLANGIR	KARMATALA	PHAPSI	869	52	51	5.9	48
922	BOLANGIR	SAINTALA	BLOCK	116	7	3	2.2	1
923	BOLANGIR	SAINTALA	BUDHABAHAL	986	59	89	9.0	78
924	BOLANGIR	SAINTALA	KUMBHARI	734	44	31	4.2	35
925	BOLANGIR	SAINTALA	PITAMBUL	100	6	7	6.7	28
926	BOLANGIR	SAINTALA	SAINTALA	999	60	24	2.4	8
927	BOLANGIR	KHOLAN	DAM	350	21	21	5.9	45
928	BOLANGIR	KHOLAN	KHOLAN	953	57	64	6.7	49
929	BOLANGIR	KHOLAN	LIMPADA	817	49	28	3.5	20
930	BOLANGIR	KHOLAN	LUTHURBANDH	905	54	83	9.2	88
931	BOLANGIR	PANDRIPANI	ALANDA	300	18	17	5.7	36
932	BOLANGIR	PANDRIPANI	BAGBHAL	433	26	24	5.6	32
933	BOLANGIR	PANDRIPANI	DEDGAON	1195	72	137	11.5	90
934	BOLANGIR	PANDRIPANI	JHARIAL	584	35	28	4.8	20
935	BOLANGIR	PIPLAPADA	CHARBHATA	367	22	20	5.5	36
936	BOLANGIR	PIPLAPADA	MANIGAON	167	10	24	14.4	66
937	BOLANGIR	PIPLAPADA	PIPALAPADAR	133	8	5	4.0	7
938	BOLANGIR	SINDHEKELA	CHANDOTARA	1222	73	85	6.9	70
939	BOLANGIR	SINDHEKELA	PARASARA	617	37	20	3.2	4
940	BOLANGIR	SINDHEKELA	PUTUPADA	391	24	55	14.1	0
941	BOLANGIR	SINDHEKELA	TOWN-SINDHEKELA	1017	61	28	2.8	13
942	BOLANGIR	TITILAGARH	BANDHUPALA	2604	156	100	3.9	14
943	BOLANGIR	TITILAGARH	BHATIPADA	2705	163	191	7.1	28
944	BOLANGIR	TITILAGARH	FOUR-POLE-POLICE-STATION	1199	72	23	1.9	1
945	BOLANGIR	TITILAGARH	GUNCHITAR	985	59	46	4.7	43
946	BOLANGIR	TITILAGARH	LIC	1483	89	34	2.3	6
947	ROURKELA	BASANTI	DAV	4034	244	158	3.9	5
948	ROURKELA	BASANTI	PHD	3054	185	160	5.2	7

Letterhead of Vendor.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
949	ROURKELA	GOPABANDHUPALI	GOPABANDHUPALI	681	41	17	2.4	3
950	ROURKELA	GOPABANDHUPALI	MS PALI	1496	90	55	3.7	8
951	ROURKELA	GOPABANDHUPALI	TIMBER	788	47	24	3.0	4
952	ROURKELA	JAREIKELA	BHALULATA	509	27	40	7.9	43
953	ROURKELA	JAREIKELA	BHRUTABAHAL	474	25	13	2.7	10
954	ROURKELA	BANDAMUNDA	BALABHADRA MARKET	218	13	8	3.7	10
955	ROURKELA	BANDAMUNDA	BANDHAMUNDA	3183	191	614	19.3	45
956	ROURKELA	BISRA	BARSUAN	1012	61	50	5.0	44
957	ROURKELA	BISRA	BISRA_1	985	59	21	2.2	4
958	ROURKELA	BISRA	BISRA_2	504	30	15	2.9	12
959	ROURKELA	BISRA	DHADARI	346	21	12	3.5	11
960	ROURKELA	BISRA	JAREIKELA	353	21	20	5.5	25
961	ROURKELA	BISRA	SANBABUA(BAMBUA)	168	10	12	6.9	28
962	ROURKELA	DALPOSH	BARTOLI	739	44	26	3.5	8
963	ROURKELA	DALPOSH	JAMSERA	585	35	31	5.2	32
964	ROURKELA	NIT	NAYA BAZAR	771	46	25	3.3	10
965	ROURKELA	NIT	OSAP	2621	157	381	14.5	50
966	ROURKELA	HAMIRPUR	HAMIRPUR	1229	74	37	3.0	10
967	ROURKELA	HAMIRPUR	RAMAGADA	41	2	2	5.5	2
968	ROURKELA	KOELNAGAR	ADEB	5745	345	441	7.7	10
969	ROURKELA	KOELNAGAR	C BLOCK	2722	163	79	2.9	3
970	ROURKELA	KOELNAGAR	JHIRPANI	3531	212	196	5.5	7
971	ROURKELA	NIT	JAGADA	3227	194	130	4.0	10
972	ROURKELA	POWER HOUSE	PLANT SITE	5095	306	286	5.6	8
973	ROURKELA	POWER HOUSE	UDIT NAGAR	6895	414	574	8.3	14
974	ROURKELA	POWER HOUSE	MAIN ROAD	5615	337	612	10.9	9
975	ROURKELA	POWER HOUSE	PH ROAD	1343	81	28	2.1	2
976	ROURKELA	GURUNDIA	BONEIKELA	168	10	25	15.1	148

Leshmod R Nanda

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
977	ROURKELA	GURUNDIA	GURUNDIA TOWN	303	18	15	4.9	52
978	ROURKELA	K.BALANG	JHARBEDA	303	18	30	9.9	134
979	ROURKELA	K.BALANG	K BALANG	554	33	25	4.5	63
980	ROURKELA	K.BALANG	ROXY(K.BALANG)	252	15	46	18.1	179
981	ROURKELA	KOIRA	INDUSTRY -2	1165	70	126	10.8	31
982	ROURKELA	KOIRA	INDUSTRY -1	1479	89	76	5.2	32
983	ROURKELA	KOIRA	KOIRA KALTA	2263	136	402	17.8	51
984	ROURKELA	MAHULDIA	KHANDADHAR	17	1	2	11.0	2
985	ROURKELA	MAHULDIA	BADAGAON	353	21	35	9.8	96
986	ROURKELA	MAHULDIA	FULJHAR	116	7	16	13.5	41
987	ROURKELA	MAHULDIA	KULIPOSH	821	49	57	7.0	94
988	ROURKELA	MAHULDIA	MAHULPADA	182	11	14	7.5	40
989	ROURKELA	RAJAMUNDA	DARJING	892	53	70	7.8	100
990	ROURKELA	RAJAMUNDA	LAHUNIAPADA	1362	82	92	6.7	76
991	ROURKELA	RAJAMUNDA	LALEI	740	44	47	6.3	47
992	ROURKELA	RAJAMUNDA	GOPNA	538	32	51	9.5	88
993	ROURKELA	TENSA	TENSA	975	59	55	5.7	49
994	ROURKELA	TUNIAPALI	INDRAPUR	2114	127	691	32.7	116
995	ROURKELA	TUNIAPALI	SARSARA	1682	101	208	12.4	78
996	ROURKELA	BONAI	BONEI TOWN	2236	134	95	4.2	27
997	ROURKELA	BONAI	GOGUA	1059	64	49	4.6	31
998	ROURKELA	BONAI	GURUNDIA(NARENDRA)	1111	67	113	10.1	240
999	ROURKELA	BONAI	KENAVETA	370	22	24	6.5	49
1000	ROURKELA	CHHEND	1ST PHASE	3260	196	117	3.6	6
1001	ROURKELA	CHHEND	CHHEND PHASE-2	202	12	6	3.0	5
1002	ROURKELA	CHHEND	LUHAKERA	756	45	31	4.1	17
1003	ROURKELA	CHHEND	PANPOSH	2792	168	267	9.5	12
1004	ROURKELA	CHHEND	SELF FINANCE	2452	147	58	2.4	4

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1005	ROURKELA	KALINGA VIHAR	KALINGAVIHAR-PHASE3	2016	107	53	2.6	6
1006	ROURKELA	KALINGA VIHAR	RDA	1881	100	62	3.3	8
1007	ROURKELA	KALINGA VIHAR	MIL2	975	52	20	2.1	3
1008	ROURKELA	KALINGA VIHAR	PRADHANPALI	805	43	26	3.2	7
1009	ROURKELA	CIVIL TOWNSHIP	BIRSHA MUNDA	3074	184	93	3.0	3
1010	ROURKELA	CIVIL TOWNSHIP	COLLEGE	3661	220	85	2.3	3
1011	ROURKELA	CIVIL TOWNSHIP	HANUMAN VATIKA	1847	111	41	2.2	3
1012	ROURKELA	CIVIL TOWNSHIP	RGH	1109	67	36	3.2	1
1013	ROURKELA	INDUSTRIAL ESTATE	GANGADHARPALI	2015	121	45	2.2	5
1014	ROURKELA	INDUSTRIAL ESTATE	INDUSTRIAL	1916	115	78	4.1	8
1015	ROURKELA	INDUSTRIAL ESTATE	TOWN	262	16	8	3.1	2
1016	ROURKELA	JALDA	INDUSTRIAL	1664	100	77	4.6	26
1017	ROURKELA	JALDA	JALDA C BLOCK	3075	185	110	3.6	5
1018	ROURKELA	JALDA	TOWN	1865	112	76	4.0	16
1019	ROURKELA	LATHIKATA	MODERN INDIA 2	1278	77	65	5.1	53
1020	ROURKELA	LATHIKATA	MODERN INDIA 1	1344	81	89	6.6	39
1021	ROURKELA	LATHIKATA	RAMJODI	394	24	43	10.9	125
1022	ROURKELA	LATHIKATA	BANKI	1166	70	94	8.1	83
1023	ROURKELA	PANPOSH	PHD	503	30	7	1.5	0
1024	ROURKELA	PANPOSH	RAW WATER	1209	73	28	2.3	3
1025	ROURKELA	PANPOSH	BALUGHAT	1511	91	34	2.3	9
1026	ROURKELA	PANPOSH	COLLEGE	655	39	17	2.6	3
1027	ROURKELA	BALANDA	BALANDA	687	41	19	2.8	13
1028	ROURKELA	BALANDA	GARJAN	302	18	14	4.6	33
1029	ROURKELA	BALANDA	TYNSAR	1785	107	324	18.2	262
1030	ROURKELA	KALUNGA(IDC)	IDC	2540	152	152	6.0	10
1031	ROURKELA	KALUNGA(IDC)	KALUNGA BASTI	688	41	19	2.8	7
1032	ROURKELA	KALUNGA(IDC)	THIRD PHASE	1075	64	27	2.5	5

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1033	ROURKELA	OTTO INDIA	BIRKERA	24	1	3	14.4	12
1034	ROURKELA	OTTO INDIA	KALUNGA TOWN 1	478	29	18	3.7	21
1035	ROURKELA	VEDVYAS	BELDIHI	1176	71	49	4.2	21
1036	ROURKELA	VEDVYAS	GOPAPALI	1764	106	68	3.8	9
1037	ROURKELA	VEDVYAS	VEDVYAS	3360	202	123	3.7	8
1038	ROURKELA	BIRAMITRAPUR	BIJABAHAL	1210	73	98	8.1	130
1039	ROURKELA	BIRAMITRAPUR	JHARBEDA	707	42	63	8.9	94
1040	ROURKELA	BIRAMITRAPUR	RAIBOGA	420	25	19	4.6	36
1041	ROURKELA	BIRAMITRAPUR	TOWN-1	991	59	26	2.6	10
1042	ROURKELA	BIRAMITRAPUR	TOWN-2	1764	106	72	4.1	58
1043	ROURKELA	HATIBARI(RKL)	BAUNSJORE	178	11	18	10.1	30
1044	ROURKELA	HATIBARI(RKL)	BEMTA	179	11	33	18.2	77
1045	ROURKELA	HATIBARI(RKL)	HATIBARI/NUAGAON	1346	81	105	7.8	101
1046	ROURKELA	KUARMUNDA	BANIGUNI	235	14	17	7.3	34
1047	ROURKELA	KUARMUNDA	GOBERA	302	18	20	6.7	40
1048	ROURKELA	KUARMUNDA	KALOSARIA	354	21	30	8.6	74
1049	ROURKELA	KUARMUNDA	PADAMPUR	1092	66	43	3.9	29
1050	ROURKELA	KUARMUNDA	SARVESH	437	26	13	2.9	11
1051	ROURKELA	KUARMUNDA	TOWN	907	54	30	3.4	10
1052	ROURKELA	NUAGAON	LUKUBEDA	806	48	32	3.9	29
1053	ROURKELA	NUAGAON	NUAGAON(KUARMUNDA)	1126	68	47	4.2	25
1054	ROURKELA	NUAGAON	POTRAPALI	2435	146	473	19.4	135
1055	ROURKELA	NUAGAON	SARADA	2020	121	334	16.5	122
1056	ROURKELA	RAIBOGA	KADOBAHAL	1042	63	48	4.6	25
1057	ROURKELA	RAIBOGA	SALONGBAHAL	1094	66	116	10.6	108
1058	ROURKELA	LINDRA	KERKETA	257	15	14	5.5	24
1059	ROURKELA	LINDRA	KHUTGAON	344	21	19	5.6	28
1060	ROURKELA	LINDRA	PHULJHER	100	6	2	2.2	3

Reviewed on Nov dt.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1061	ROURKELA	ALONDA	ALONDA	437	26	27	6.1	48
1062	ROURKELA	ALONDA	KUKUMUNDA	219	13	12	5.7	68
1063	ROURKELA	ALONDA	LAXMIPOSH(ALONDA STRUCTURE)	522	31	53	10.1	142
1064	ROURKELA	BHOGOTOLA	KUMARKELA	235	14	6	2.5	16
1065	ROURKELA	BHOGOTOLA	MALDAHI	319	19	42	13.3	158
1066	ROURKELA	BHOGOTOLA	TOWN	1143	69	40	3.5	25
1067	ROURKELA	MANDIAKUDAR	INDUSTRIAL	722	43	20	2.7	18
1068	ROURKELA	MANDIAKUDAR	NEW VILAIGARH	1458	87	100	6.9	120
1069	ROURKELA	MANDIAKUDAR	OLD BILAIGARH	1441	87	124	8.6	49
1070	ROURKELA	RAJGANGPUR	ESI	33	2	1	2.0	0
1071	ROURKELA	RAJGANGPUR	HARI MACHINE	0	0	0	0.0	0
1072	ROURKELA	RAJGANGPUR	MANDIAKUDAR	1328	80	73	5.5	55
1073	ROURKELA	RAJGANGPUR	MISSION	1041	62	24	2.3	10
1074	ROURKELA	RAJGANGPUR	NEW TOWN1	2890	173	97	3.4	5
1075	ROURKELA	RAJGANGPUR	TOWN-2	2483	148	136	5.5	31
1076	ROURKELA	BARGAON(RKL)	BARGAON	1108	66	42	3.8	51
1077	ROURKELA	BARGAON(RKL)	JARANGLAI	420	25	21	5.1	46
1078	ROURKELA	BARGAON(RKL)	SAHAJBAHAL	421	25	30	7.1	82
1079	ROURKELA	BARGAON(RKL)	TUDALAGA	707	42	54	7.6	69
1080	ROURKELA	BIRNGATALI	BIRANGTALI	622	37	54	8.7	60
1081	ROURKELA	BIRNGATALI	KHURAPALI	587	35	35	6.0	98
1082	ROURKELA	BIRNGATALI	PURKHAPALI	0	0	0	0.0	0
1083	ROURKELA	JARANGLAI	BARANGA KACHHAR	370	22	22	5.9	77
1084	ROURKELA	JARANGLAI	ITMA	168	10	12	7.2	52
1085	ROURKELA	JARANGLAI	JHARMUNDA	470	28	21	4.6	58
1086	ROURKELA	JHARBEDA	JAMPALI	959	58	97	10.1	28
1087	ROURKELA	JHARBEDA	JHARBEDA NEW	369	22	14	3.8	10
1088	ROURKELA	JHARBEDA	SONA KHAN	556	33	81	14.6	104

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1089	ROURKELA	KUTURA	GARPOSHI	775	46	70	9.0	78
1090	ROURKELA	KUTURA	JARBEDA	299	18	18	5.9	50
1091	ROURKELA	KUTURA	KUTURA	537	32	20	3.6	15
1092	ROURKELA	KUTURA	LANJIBERNA	2135	128	806	37.7	232
1093	ROURKELA	SAHAJBAHAL	EKMA	252	15	10	4.1	31
1094	ROURKELA	SAHAJBAHAL	PANCHORA	269	16	22	8.1	72
1095	ROURKELA	SAHAJBAHAL	SINGARMUNDA	488	29	30	6.1	95
1096	ROURKELA	BONDEGA	LULKIDIHI	102	5	10	9.6	10
1097	ROURKELA	BONDEGA	SAGBAHAL	118	6	16	13.8	34
1098	ROURKELA	BONDEGA	BANDEGA	938	50	29	3.1	19
1099	ROURKELA	KARAMDIHI	SUBALAYA	405	24	24	5.9	75
1100	ROURKELA	KARAMDIHI	PANCHMAHAL	219	13	19	8.7	35
1101	ROURKELA	KARAMDIHI	HAMIRPUR	118	7	7	6.3	24
1102	ROURKELA	KARAMDIHI	KARAMDIHI	404	24	17	4.2	43
1103	ROURKELA	BALISANKARA	BALISANKARA	741	44	47	6.3	76
1104	ROURKELA	BALISANKARA	BUDABAHAL	152	9	14	9.2	68
1105	ROURKELA	BALISANKARA	JAMUNA	235	14	14	5.9	40
1106	ROURKELA	COLLEGE	COLLEGE	3410	205	205	6.0	15
1107	ROURKELA	COLLEGE	HOSPITAL	202	12	6	2.9	4
1108	ROURKELA	COLLEGE	RRIT	874	52	23	2.6	6
1109	ROURKELA	KUNDUKELA	KINJIRMA	758	45	47	6.2	88
1110	ROURKELA	KUNDUKELA	BHASMA	488	29	19	4.0	37
1111	ROURKELA	KUNDUKELA	DEULI	404	24	17	4.1	32
1112	ROURKELA	MAJHAPADA	DHARUADIH	489	29	33	6.7	64
1113	ROURKELA	MAJHAPADA	KULTA	472	28	30	6.3	48
1114	ROURKELA	MAJHAPADA	MAJHAPADA	882	53	99	11.2	86
1115	ROURKELA	MAJHAPADA	SALEPALI/BIRBIRA	337	20	28	8.2	76
1116	ROURKELA	SANKARA	BARGAD	84	5	5	5.7	8

Letter issued on Vendor.

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1117	ROURKELA	SANKARA	KUNDUKELA	1320	79	107	8.1	68
1118	ROURKELA	SANKARA	PATRAPALI	232	16	118	51.0	14
1119	ROURKELA	SANKARA	PMU	4353	261	224	5.2	6
1120	ROURKELA	SANKARA	SANKARA	2133	128	50	2.3	12
1121	ROURKELA	SANKARA	TOWN-1	3260	198	322	9.9	11
1122	ROURKELA	SUBDEGA	BALISANKRA	379	23	30	7.9	68
1123	ROURKELA	SUBDEGA	DEOGAON	115	7	9	7.4	55
1124	ROURKELA	SUBDEGA	SUBDEGA	648	39	32	4.9	49
1125	ROURKELA	SUBDEGA	TANGARGAON	677	40	70	10.3	244
1126	ROURKELA	SUBDEGA	ROULDEGA	1281	77	196	15.3	86
1127	ROURKELA	BILEIMUNDA	BADHIBAHAL	673	40	53	7.9	73
1128	ROURKELA	BILEIMUNDA	JHARPALAM	269	16	13	4.8	28
1129	ROURKELA	BILEIMUNDA	TAPARIA	505	30	46	9.1	60
1130	ROURKELA	DARLIPALI	DARLIPALI	890	53	33	3.7	18
1131	ROURKELA	DARLIPALI	GHANTIMAL	202	12	11	5.3	21
1132	ROURKELA	DARLIPALI	KANAKTURA	353	21	12	3.3	19
1133	ROURKELA	DARLIPALI	RUHIDIHI	269	16	12	4.6	37
1134	ROURKELA	GARJANBAHAL	DUDUKA	606	36	48	7.9	59
1135	ROURKELA	GARJANBAHAL	GARJANBAHAL	302	18	14	4.8	24
1136	ROURKELA	GARJANBAHAL	GOPALPUR	1009	61	70	6.9	97
1137	ROURKELA	GARJANBAHAL	HEMGIRI-DURUBAGA	185	11	11	5.9	43
1138	ROURKELA	GARJANBAHAL	KALMEK	336	20	17	5.2	23
1139	ROURKELA	HEMGIRI	KANIKA	1061	64	133	12.5	133
1140	ROURKELA	HEMGIRI	NEW HEMGIRI	605	36	29	4.7	55
1141	ROURKELA	KINJIRKELA	BANDHABAHAL	505	30	34	6.7	99
1142	ROURKELA	KINJIRKELA	KHARUABAHAL	214	13	27	12.5	128
1143	ROURKELA	KINJIRKELA	KINJIRKELA	1010	61	129	12.8	585
1144	ROURKELA	KINJIRKELA	SIKAJORE	0	0	0	0.0	0

Sl.No	Circle	Name of the PSS	Name of the Feeder	Total Load (kW)	Current (A)	Total Losses (kW)	Loss(in %)	Feeder Length (km)
1145	ROURKELA	LEPHRIPADA	CHHETANPALI	303	18	22	7.1	90
1146	ROURKELA	LEPHRIPADA	DUMABHALA	841	51	139	16.6	254
1147	ROURKELA	LEPHRIPADA	GUNDIADIHI	749	45	90	12.0	111
1148	ROURKELA	LEPHRIPADA	KULABIRA	269	16	19	7.1	68
1149	ROURKELA	LEPHRIPADA	LEFRIPADA	286	17	12	4.4	29
1150	ROURKELA	MANGASPUR	DARLIPALI-BILEIGARH	302	18	16	5.2	25
1151	ROURKELA	MANGASPUR	MANGASPUR	403	24	15	3.8	18
1152	ROURKELA	MANGASPUR	REMANDA	185	11	8	4.4	13
1153	ROURKELA	SADAR	BAILIORI	908	54	65	7.1	98
1154	ROURKELA	SADAR	BANDHAPALI	774	46	50	6.4	81
1155	ROURKELA	SADAR	KALOBAHAL	808	48	63	7.8	69
1156	ROURKELA	SADAR	SADAR	51	3	2	3.2	2
1157	ROURKELA	SARGIPALI	BHARATPUR	168	10	5	2.8	9
1158	ROURKELA	SARGIPALI	JHARGAON	302	18	14	4.8	24
1159	ROURKELA	SARGIPALI	OLD MANGASPUR	370	22	21	5.6	33
1160	ROURKELA	SARGIPALI	SARGIPALI	689	41	41	5.9	60
1161	ROURKELA	TUMAPALI	JHARIAPALI	437	26	15	3.3	25
1162	ROURKELA	TUMAPALI	TANGARPALI	537	32	20	3.7	34
1163	ROURKELA	TUMAPALI	UJJALPUR	286	17	8	2.7	9

Authorised Sign alongside.

- 11KV Technical Losses Summary

Circle Name	No. of Feeders	Total load (KW)	Total loss (KW)	Feeder length (Km)	Avg. Length per feeder (Km)	Loss% (at Peak Loading)	Loss% (at Average Loading)
Bargarh	170	341974	39596	7779.72	45.76	11.58%	5.22%
Bolangir	270	273658	21845	10852.5	40.19	7.98%	3.60%
Kalahandi	213	167293	13712	10652.7	50.01	8.20%	3.69%
Rourkela	217	225608	15976	10492.35	48.35	7.08%	3.19%
Sambalpur	293	265583	20757	13302.9	45.40	7.82%	3.52%
Grand Total	**1163**	**1274118**	**111888**	**53080.3**	**45.64**	**8.78%**	**3.96%**

- 11KV Overloaded Feeders:

- **Summary of 11 kv over load feeders:**

CIRCLE	DIVISION	NO.OF 11KV FEEDERS	NO.OF OVERLOAD FEEDERS	NO.OF SECTION WITH OVERLOAD
BARGARH	BED	85	9	59
BARGARH	BWED	85	21	123
BOLANGIR	BED	77	5	23
BOLANGIR	SED	87	0	0
BOLANGIR	TED	106	2	2
KALAHANDI	KEED	77	14	96
KALAHANDI	KWED	75	2	4
KALAHANDI	NED	61	2	4
ROURKELA	RED	29	5	29
ROURKELA	RSED	51	0	0
ROURKELA	RED,RAJGANGPUR	69	1	3
ROURKELA	SUNDARGARH	68	0	0
SAMBALPUR	SED	50	3	11
SAMBALPUR	SEED	72	3	14
SAMBALPUR	JED	102	1	6
SAMBALPUR	BNED	31	2	2
SAMBALPUR	DED	38	0	0
TOTAL	17	1163	70	376

- **11 kv overloaded feeders list:**

CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total Section	No.of Overloaded Section	Loading(in %)
BARGARH	BED,BARGARH	ATTABIRA	ATTABIRA	RANGALI CAMP	216	7	120
BARGARH	BED,BARGARH	BARGARH-1	DIVISION-2	PRIVATE BUS STAND	98	2	110
BARGARH	BED,BARGARH	BARGARH-1	DIVISION-2	TOWN-2	72	8	116
BARGARH	BED,BARGARH	BARGARH-1	DIVISION-1	BARGARH TOWN-1	64	7	125
BARGARH	BED,BARGARH	BARGARH-2	TURUNGA	OLD INDUSTRIAL	189	12	135
BARGARH	BED,BARGARH	BARGARH-2	PRADHANPALI	ATTABIRA	139	2	102
BARGARH	BED,BARGARH	BHATLI	BHATLI	KENDUGUDIA	214	9	127
BARGARH	BED,BARGARH	BHATLI	DUNGRI	LAKHANPUR	214	1	142
BARGARH	BED,BARGARH	BHATLI	UDAYAPALI	HATISAR	260	11	126
BARGARH	BWED,BARGARH	BARPALI	BARPALI	BADGAON	284	10	116
BARGARH	BWED,BARGARH	BARPALI	BARPALI	BANDHAPALI	209	2	105
BARGARH	BWED,BARGARH	BARPALI	BARPALI	TOWN	108	6	124
BARGARH	BWED,BARGARH	BARPALI	BALITIKRA	TULUNDI	347	8	106
BARGARH	BWED,BARGARH	PADAMPUR	PADAMPUR	MELCHAMUNDA	432	1	100
BARGARH	BWED,BARGARH	PAIKMAL	DOVA	PALSADA	51	2	118
BARGARH	BWED,BARGARH	PAIKMAL	DOVA	DOVA	65	1	142
BARGARH	BWED,BARGARH	PAIKMAL	DUNGURIPALI	BHAISADHARA	114	1	105
BARGARH	BWED,BARGARH	SOHELA	ARDA	JOKIAPALI	250	5	123
BARGARH	BWED,BARGARH	SOHELA	ARDA	LAUMUNDA	305	15	198
BARGARH	BWED,BARGARH	SOHELA	BIJEPUR	BARAMUNDA	466	4	117
BARGARH	BWED,BARGARH	SOHELA	GHENSS	JAMPALI	287	9	137
BARGARH	BWED,BARGARH	SOHELA	GHENSS	JHAR	421	1	153
BARGARH	BWED,BARGARH	SOHELA	GHENSS	KUCHIPALI	232	2	114
BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	BANBASPALI	293	4	136

Loaded 9x Nimda.

CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total Section	No.of Overloaded Section	Loading(in %)
BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	S.DUMERPALI	349	18	198
BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	SARANDAPALI	183	1	180
BARGARH	BWED,BARGARH	SOHELA	SOHELA	CHHURIAPALI	312	19	125
BARGARH	BWED,BARGARH	SOHELA	SOHELA	GRINJEL	102	5	150
BARGARH	BWED,BARGARH	SOHELA	SOHELA	LUHURACHATI	322	1	101
BARGARH	BWED,BARGARH	SOHELA	SOHELA	PADAMPUR	330	8	177
KALAHANDI	KEED	KESINGA	BORDA	ARTAL	162	6	114
KALAHANDI	KEED	KESINGA	KESINGA	BORINGPADAR	363	10	210
KALAHANDI	KEED	KESINGA	KESINGA	KASURPADA	364	5	145
KALAHANDI	KEED	KESINGA	KESINGA	TOWN	422	2	131
KALAHANDI	KEED	KESINGA	NUNMATH	BELKHANDI	154	2	108
KALAHANDI	KEED	KESINGA	UTKELA	KUNDABANDHA	204	3	104
KALAHANDI	KEED	NAKTIGUDA	BHANGABARI	KAMATHANA	212	2	110
KALAHANDI	KEED	NARLA	BISWANATHPUR	OLD LANJIGARH	284	7	106
KALAHANDI	KEED	NARLA	JURADUBRA	REGEDA	202	2	127
KALAHANDI	KEED	NARLA	KARLAMUNDA	RISIDA	338	13	152
KALAHANDI	KEED	NARLA	NARLA	BALIPADA	453	6	118
KALAHANDI	KEED	NARLA	NARLA	CHHATIKUDA	484	22	151
KALAHANDI	KEED	NARLA	NARLA	KAMARDHA	289	2	128
KALAHANDI	KEED	NARLA	RUPRA ROAD	RUPRA	221	14	128
KALAHANDI	KWED	DHARAMGARH	DHARMAGARH	DHARAMGARH	149	2	135
KALAHANDI	KWED	JUNAGARH	JUNAGARH	TOWN	422	2	131
KALAHANDI	NED	KHARIAR ROAD	KHARIAR ROAD	TOWN	422	2	131
KALAHANDI	NED	NUAPADA	NUAPADA	TOWN	422	2	131
SAMBALPUR	JED	SDO-1	SARASMAL	JSG-I	59	6	106

CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total Section	No.of Overloaded Section	Loading(in %)
SAMBALPUR	BNED	BELPAHAR	BANDHBAHAL	GANESH NAGAR	40	1	108
SAMBALPUR	BNED	BELPAHAR	MUCHBAHAL	JUNADIHI	134	1	105
SAMBALPUR	SED,SAMBALPUR	AINTHAPALI	AINTHAPALI	COLLEGE(AINTHAPALI)	52	1	149
SAMBALPUR	SED,SAMBALPUR	AINTHAPALI	AINTHAPALI	FAMILY PLANNING	92	9	138
SAMBALPUR	SED,SAMBALPUR	KHETRAJPUR	BADABAZAR	BADABAZAR	44	1	119
SAMBALPUR	SEED,SAMBALPUR	BHUTAPADA	PUTIBANDH	BHUTAPADA	19	3	301
SAMBALPUR	SEED,SAMBALPUR	BHUTAPADA	PUTIBANDH	BROOKS HILL	116	4	170
SAMBALPUR	SEED,SAMBALPUR	DHANUPALI	PUTIBANDH	DHANUPALI	98	7	132
BOLANGIR	BED,BOLANGIR	SDO-1	POWER HOUSE BOL	BRAHMANPADA	46	2	105
BOLANGIR	BED,BOLANGIR	LOISINGHA	SALEBHATA	BAKTI	174	1	117
BOLANGIR	BED,BOLANGIR	LOISINGHA	SALEBHATA	LUPURSINGHA	423	1	244
BOLANGIR	BED,BOLANGIR	TUSURA	TUSRA	ARJUNPUR	244	4	105
BOLANGIR	BED,BOLANGIR	TUSURA	TUSRA	GUDVELLA	524	15	125
BOLANGIR	TED,TITLAGARH	PATNAGARH	PATNAGARH	TOWN-1	8	1	134
BOLANGIR	TED,TITLAGARH	TITLAGARH	TITILAGARH	BHATIPADA	73	1	162
ROURKELA	RED	BASANTI	BASANTI	PHD	39	1	114
ROURKELA	RED	KOELNAGAR	KOELNAGAR	ADEB	52	3	127
ROURKELA	RED	UDIT NAGAR	POWER HOUSE	PLANT SITE	39	5	129
ROURKELA	RED	UDIT NAGAR	POWER HOUSE	UDIT NAGAR	132	9	156
ROURKELA	RED	UDIT NAGAR	POWER HOUSE	MAIN ROAD	65	11	142
ROURKELA	RED,RAJGANGPUR	KALUNGA	KALUNGA(IDC)	IDC	107	3	110

- 11kV under Voltage:

- Summary of 11 kV Under Voltage:

CIRCLE	DIVISION	NO.OF 11KV FEEDERS	NO.OF UNDERVOLTAGE FEEDERS	NO.OF SECTIONS WITH UNDERVOLTAGE
BARGARH	BED	85	22	2158
BARGARH	BWED	85	41	7567
BOLANGIR	BED	77	15	2243
BOLANGIR	SED	87	15	2031
BOLANGIR	TED	106	7	707
KALAHANDI	KEED	77	28	5036
KALAHANDI	KWED	75	17	2645
KALAHANDI	NED	61	13	1933
ROURKELA	RED	29	4	247
ROURKELA	RSED	51	7	1776
ROURKELA	RED,RAJGANGPUR	69	7	601
ROURKELA	SUNDARGARH	68	9	904
SAMBALPUR	SED	50	3	87
SAMBALPUR	SEED	72	10	1925
SAMBALPUR	JED	102	10	786
SAMBALPUR	BNED	31	7	781
SAMBALPUR	DED	38	3	517
TOTAL	**17**	**1163**	**218**	**31944**

- 11 kV Under Voltage feeder Loading report:

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
1	BARGARH	BED,BARGARH	ATTABIRA	ATTABIRA	KANDPALI	253	121	9.8
2	BARGARH	BED,BARGARH	ATTABIRA	ATTABIRA	SARANDA	108	69	9.6
3	BARGARH	BED,BARGARH	ATTABIRA	ATTABIRA	RANGALI CAMP	216	183	8.0
4	BARGARH	BED,BARGARH	ATTABIRA	GODBHAGA	LARAMBHA	256	203	9.1
5	BARGARH	BED,BARGARH	ATTABIRA	TANGERPALI	DEBRIGARH	156	74	9.9
6	BARGARH	BED,BARGARH	BARGARH-1	DIVISION-1	BARGARH TOWN-1	64	13	9.8
7	BARGARH	BED,BARGARH	BARGARH-2	TORA	REMUNDA	162	20	10.0
8	BARGARH	BED,BARGARH	BARGARH-2	TORA	GAISIMA	152	96	9.8

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
9	BARGARH	BED,BARGARH	BARGARH-2	TURUNGA	BARPALI	212	140	9.3
10	BARGARH	BED,BARGARH	BARGARH-2	TURUNGA	OLD INDUSTRIAL	189	114	9.7
11	BARGARH	BED,BARGARH	BARGARH-2	KHEDAPALI	BARDOL	203	81	9.6
12	BARGARH	BED,BARGARH	BARGARH-2	PRADHANPALI	INDUSTRIAL_I	125	21	9.9
13	BARGARH	BED,BARGARH	BHATLI	BHATLI	BARTUNDA	143	98	9.8
14	BARGARH	BED,BARGARH	BHATLI	BHATLI	KENDUGUDIA	214	191	8.5
15	BARGARH	BED,BARGARH	BHATLI	BHATLI	SUKUDA	168	84	9.8
16	BARGARH	BED,BARGARH	BHATLI	BHUKTA	RUCHIDA	152	23	9.9
17	BARGARH	BED,BARGARH	BHATLI	DUNGRI	LAKHANPUR	214	37	9.8
18	BARGARH	BED,BARGARH	BHATLI	UDAYAPALI	HATISAR	260	258	6.0
19	BARGARH	BED,BARGARH	BHATLI	UDAYAPALI	NILJEE	202	67	9.9
20	BARGARH	BED,BARGARH	BHEDEN	BHEDEN	BHEDEN	69	18	10.0
21	BARGARH	BED,BARGARH	BHEDEN	THUAPALI	PAPANGA NEW	178	160	9.6
22	BARGARH	BED,BARGARH	BHEDEN	THUAPALI	PAPANGA OLD	165	87	9.8
23	BARGARH	BWED,BARGARH	BARPALI	BARPALI	BADGAON	284	198	9.3
24	BARGARH	BWED,BARGARH	BARPALI	BARPALI	BANDHAPALI	209	133	9.5
25	BARGARH	BWED,BARGARH	BARPALI	BARPALI	PHULAPALI	189	147	9.3
26	BARGARH	BWED,BARGARH	BARPALI	BARPALI	RAMPUR	269	261	9.0
27	BARGARH	BWED,BARGARH	BARPALI	BALITIKRA	REASAMA	292	115	9.8
28	BARGARH	BWED,BARGARH	BARPALI	BALITIKRA	TULUNDI	347	232	9.3
29	BARGARH	BWED,BARGARH	PADAMPUR	LAKHMARA	BADIKATA	477	455	7.5
30	BARGARH	BWED,BARGARH	PADAMPUR	MELCHAMUNDA	GHENSS	39	95	10.9
31	BARGARH	BWED,BARGARH	PADAMPUR	MELCHAMUNDA	SARGIBAHAL	366	236	9.8

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
32	BARGARH	BWED,BARGARH	PADAMPUR	PADAMPUR	BARIKEL	307	208	9.1
33	BARGARH	BWED,BARGARH	PADAMPUR	PADAMPUR	MELCHAMUNDA	432	412	8.1
34	BARGARH	BWED,BARGARH	PAIKMAL	DOVA	PALSADA	51	50	9.2
35	BARGARH	BWED,BARGARH	PAIKMAL	DOVA	DOVA	65	52	9.0
36	BARGARH	BWED,BARGARH	PAIKMAL	DOVA	KRULIPALI	291	227	8.4
37	BARGARH	BWED,BARGARH	PAIKMAL	DUNGURIPALI	BHAISADHARA	114	31	9.7
38	BARGARH	BWED,BARGARH	PAIKMAL	DUNGURIPALI	JAGDALPUR	114	16	10.0
39	BARGARH	BWED,BARGARH	PAIKMAL	JHARBANDH	OLD DUNGURIPALI(CHANDIVHATA)	80	22	10.0
40	BARGARH	BWED,BARGARH	PAIKMAL	JHARBANDH	SARGUL	205	114	9.7
41	BARGARH	BWED,BARGARH	PAIKMAL	JHARBANDH	TAPEN	346	168	9.5
42	BARGARH	BWED,BARGARH	PAIKMAL	PAIKAMAL	JHARMUNDA	164	102	9.9
43	BARGARH	BWED,BARGARH	PAIKMAL	PAIKAMAL	JHITIKI	131	33	9.8
44	BARGARH	BWED,BARGARH	SOHELA	ARDA	JOKIAPALI	250	214	7.1
45	BARGARH	BWED,BARGARH	SOHELA	ARDA	LAUMUNDA	305	285	7.4
46	BARGARH	BWED,BARGARH	SOHELA	ARDA	SAIPALI	311	206	8.9
47	BARGARH	BWED,BARGARH	SOHELA	BIJEPUR	BARAMUNDA	466	372	8.2
48	BARGARH	BWED,BARGARH	SOHELA	BIJEPUR	JARING	200	106	9.6
49	BARGARH	BWED,BARGARH	SOHELA	BIJEPUR	KHARMUNDA	308	282	9.2
50	BARGARH	BWED,BARGARH	SOHELA	BIJEPUR	M.GANDPALI(SARANDAPALI)	144	88	8.8
51	BARGARH	BWED,BARGARH	SOHELA	DASMILE	BISIPALI	278	252	7.3
52	BARGARH	BWED,BARGARH	SOHELA	DASMILE	KENDPALI	265	213	9.3
53	BARGARH	BWED,BARGARH	SOHELA	DASMILE	SRIGIDA	193	153	9.4
54	BARGARH	BWED,BARGARH	SOHELA	GHENSS	JAMPALI	287	224	9.2

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
55	BARGARH	BWED,BARGARH	SOHELA	GHENSS	KUCHIPALI	232	201	8.8
56	BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	BANBASPALI	293	191	9.0
57	BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	S.DUMERPALI	349	338	6.7
58	BARGARH	BWED,BARGARH	SOHELA	SARANDAPALI	SARANDAPALI FFEDER	183	88	9.7
59	BARGARH	BWED,BARGARH	SOHELA	SOHELA	CHHURIAPALI	312	312	6.1
60	BARGARH	BWED,BARGARH	SOHELA	SOHELA	GRINJEL	102	98	7.2
61	BARGARH	BWED,BARGARH	SOHELA	SOHELA	KANGAON	95	28	10.0
62	BARGARH	BWED,BARGARH	SOHELA	SOHELA	LUHURACHATI	322	300	7.4
63	BARGARH	BWED,BARGARH	SOHELA	SOHELA	PADAMPUR	330	309	7.0
64	KALAHANDI	KEED	KESINGA	BORDA	ARTAL	162	121	9.3
65	KALAHANDI	KEED	KESINGA	BORDA	MAHALING	227	189	8.5
66	KALAHANDI	KEED	KESINGA	BORDA	SEINPUR	212	165	9.1
67	KALAHANDI	KEED	KESINGA	KESINGA	BORINGPADAR	363	353	7.7
68	KALAHANDI	KEED	KESINGA	KESINGA	KASURPADA	364	360	8.0
69	KALAHANDI	KEED	KESINGA	NUNMATH	BELKHANDI	154	64	9.7
70	KALAHANDI	KEED	KESINGA	UTKELA	KUNDABANDHA	204	191	7.9
71	KALAHANDI	KEED	KESINGA	UTKELA	PASTIKUDA	293	176	9.0
72	KALAHANDI	KEED	NAKTIGUDA	KARLAPADA	CHAHAGON	106	63	9.8
73	KALAHANDI	KEED	NAKTIGUDA	ATTANGUDA	JUGSAIPATNA	142	56	9.7
74	KALAHANDI	KEED	NAKTIGUDA	BANDHOPALA (KANDABANDHAPALA	BANDHOPALA (KANDABANDHAPALA	349	320	7.1
75	KALAHANDI	KEED	NAKTIGUDA	BHANGABARI	KAMATHANA	212	183	9.3
76	KALAHANDI	KEED	NARLA	BANDHAPARI	BIJEPUR	295	284	8.3
77	KALAHANDI	KEED	NARLA	BANDHAPARI	HATISAL	133	59	9.7

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
78	KALAHANDI	KEED	NARLA	BISWANATHPUR	OLD LANJIGARH	284	242	9.1
79	KALAHANDI	KEED	NARLA	JURADUBRA	KUSURLA	163	111	9.7
80	KALAHANDI	KEED	NARLA	JURADUBRA	REGEDA	202	179	9.1
81	KALAHANDI	KEED	NARLA	KARLAMUNDA	RISIDA	338	328	7.5
82	KALAHANDI	KEED	NARLA	M.RAMPUR	URLADANI	238	210	8.6
83	KALAHANDI	KEED	NARLA	M.RAMPUR	AMBAGAON	223	142	9.0
84	KALAHANDI	KEED	NARLA	M.RAMPUR	BARABANDHA	220	172	9.3
85	KALAHANDI	KEED	NARLA	MADANPUR	BORIGHAT	130	99	9.1
86	KALAHANDI	KEED	NARLA	MADANPUR	DANGABAHAL	114	46	9.9
87	KALAHANDI	KEED	NARLA	MOHANGIRI BANJAMUNDA	MOHANGIRI	212	175	9.2
88	KALAHANDI	KEED	NARLA	NARLA	KAMARDHA	289	269	7.8
89	KALAHANDI	KEED	NARLA	RUPRA ROAD	BALBASPUR	192	167	9.0
90	KALAHANDI	KEED	NARLA	RUPRA ROAD	RUPRA	221	216	9.0
91	KALAHANDI	KEED	POWER HOUSE	KUSADANGAR	MEDINIPUR	173	96	8.5
92	KALAHANDI	KWED	CHARBAHAL	BADAKUTRU	BANER	176	139	9.0
93	KALAHANDI	KWED	CHARBAHAL	BADAKUTRU	DHANPUR	288	197	8.9
94	KALAHANDI	KWED	CHARBAHAL	CHARBAHAL	DEUNDI	183	107	9.8
95	KALAHANDI	KWED	CHARBAHAL	GODRAMAL	CHIKILI	390	367	7.3
96	KALAHANDI	KWED	CHARBAHAL	JAIPATNA	BANJIBAHAL	140	81	9.8
97	KALAHANDI	KWED	CHARBAHAL	MUKHIGUDA	MANGLAPUR	112	89	9.4
98	KALAHANDI	KWED	DHARAMGARH	DHARMAGARH	BEHERA	152	44	9.9
99	KALAHANDI	KWED	DHARAMGARH	DHARMAGARH	CHHENDIA	184	163	9.2
100	KALAHANDI	KWED	DHARAMGARH	DHARMAGARH	CHILPA	288	98	9.7

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
101	KALAHANDI	KWED	DHARAMGARH	DHARMAGARH	DHARAMGARH	149	81	9.7
102	KALAHANDI	KWED	DHARAMGARH	GOLAMUNDA	KHALIAKANI	204	62	9.9
103	KALAHANDI	KWED	DHARAMGARH	KEGAON	BADCHERGAON	327	281	8.7
104	KALAHANDI	KWED	DHARAMGARH	KEGAON	KEGAON	66	13	10.0
105	KALAHANDI	KWED	JUNAGARH	JUNAGARH	DASIGAON	471	373	8.3
106	KALAHANDI	KWED	JUNAGARH	JUNAGARH	KURUGUDA	385	205	9.5
107	KALAHANDI	KWED	JUNAGARH	JUNAGARH	TULASIPALI	264	103	9.9
108	KALAHANDI	KWED	JUNAGARH	T RAMPUR	GOPALPUR	314	242	9.1
109	KALAHANDI	NED	KHARIAR	BADI	CHHELIAPADA	29	4	10.0
110	KALAHANDI	NED	KHARIAR	BADI	SIKUAN	203	57	9.9
111	KALAHANDI	NED	KHARIAR	KHARIAR	DUAJHAR	169	153	9.3
112	KALAHANDI	NED	KHARIAR	KHARIAR	OLD BARGAON	175	51	9.9
113	KALAHANDI	NED	KHARIAR	KHARIAR	TUKULA	232	210	9.0
114	KALAHANDI	NED	KHARIAR	SINAPALI	BARGAON	361	287	9.4
115	KALAHANDI	NED	KHARIAR	SINAPALI	HATHIBANDHA	308	235	9.0
116	KALAHANDI	NED	KHARIAR	SINAPALI	KENDUMUNDA	395	272	9.7
117	KALAHANDI	NED	KHARIAR ROAD	BISORA	BELTUKURI	198	188	9.2
118	KALAHANDI	NED	KHARIAR ROAD	BISORA	BHELASHWAR	223	125	9.7
119	KALAHANDI	NED	NUAPADA	KOMNA	BUDHIKOMNA	168	122	9.0
120	KALAHANDI	NED	NUAPADA	KURUMPURI	LAKHNA	483	128	9.8
121	KALAHANDI	NED	NUAPADA	NUAPADA	SHAKHATORA	121	101	9.6
122	SAMBALPUR	DED	Deogarh	Reamal	TINKBIR	205	183	8.6

Highlighted as Wards.

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
123	SAMBALPUR	DED	Deogarh	Teleibani	KANSARA	106	89	9.0
124	SAMBALPUR	DED	Deogarh	Budhapal	PALOSOMA	386	245	9.7
125	SAMBALPUR	JED	KUCHINDA	KESAIBAHAL	JARABAGA	634	220	9.7
126	SAMBALPUR	JED	SDO-1	ARDA(JAMKANI)	BANDHAPALI	124	10	10.0
127	SAMBALPUR	JED	SDO-1	PURNA	JHADESWER	44	5	10.0
128	SAMBALPUR	JED	SDO-1	PURNA	KALIMANDIR	147	119	9.3
129	SAMBALPUR	JED	SDO-1	SARASMAL	JSG-I	59	37	9.9
130	SAMBALPUR	JED	SDO-1	SARASMAL	KACHERY	73	55	9.5
131	SAMBALPUR	JED	SDO-1	SARASMAL	LIC	130	79	9.7
132	SAMBALPUR	JED	SDO-1	SARASMAL	OMP	136	129	9.3
133	SAMBALPUR	JED	SDO-2	SARBAHAL	SRIPURA	97	79	8.8
134	SAMBALPUR	JED	SDO-2	LAIKERA	MUNDRAJORE	203	53	10.0
135	SAMBALPUR	BNED	BELPAHAR	BANDHBAHAL	BALANDA	251	140	9.5
136	SAMBALPUR	BNED	BELPAHAR	DHULUNDA	KANAKTORA	175	33	10.0
137	SAMBALPUR	BNED	BELPAHAR	GOVINDPUR	11 KV BHANRAKHOL (NEW)	351	174	9.7

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
138	SAMBALPUR	BNED	BELPAHAR	MUCHBAHAL	JUNADIHI	134	35	9.9
139	SAMBALPUR	BNED	BELPAHAR	MUCHBAHAL	TOWN	293	265	8.9
140	SAMBALPUR	BNED	BRAJRAJNAGAR	BRAJRAJNAGAR	BRAJARAJNAGAR	105	83	9.6
141	SAMBALPUR	BNED	BRAJRAJNAGAR	BRAJRAJNAGAR	LAMTIBAHAL	81	51	9.6
142	SAMBALPUR	SED,SAMBALPUR	AINTHAPALI	AINTHAPALI	BHALUPALI	80	25	9.8
143	SAMBALPUR	SED,SAMBALPUR	AINTHAPALI	AINTHAPALI	KHETRAJPUR	61	19	9.9
144	SAMBALPUR	SED,SAMBALPUR	AINTHAPALI	AINTHAPALI	REMED	84	43	9.8
145	SAMBALPUR	SEED,SAMBALPUR	BHUTAPADA	PUTIBANDH	BHUTAPADA	19	3	10.0
146	SAMBALPUR	SEED,SAMBALPUR	BHUTAPADA	PUTIBANDH	BROOKS HILL	116	112	7.6
147	SAMBALPUR	SEED,SAMBALPUR	BHUTAPADA	PUTIBANDH	SHIKHAPARA	103	84	9.5
148	SAMBALPUR	SEED,SAMBALPUR	DHANUPALI	PADIABAHAL	PADIABAHAL	354	316	7.7
149	SAMBALPUR	SEED,SAMBALPUR	RAIRAKHOL	HATIBARI(SAMBALPUR)	MEGHAPAL	273	198	8.8
150	SAMBALPUR	SEED,SAMBALPUR	RAIRAKHOL	JUJUMARA	JUJUMURA	399	256	9.0
151	SAMBALPUR	SEED,SAMBALPUR	RAIRAKHOL	NAKTIDEUL	DAINCHA	315	220	9.6
152	SAMBALPUR	SEED,SAMBALPUR	RAIRAKHOL	RAIRAKHOL	BARBANK	447	420	9.3

Lowest on Nov dt.

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
153	SAMBALPUR	SEED,SAMBALPUR	RENGALI	KATARBAGHA	TAMPERKELA	339	185	9.7
154	SAMBALPUR	SEED,SAMBALPUR	RENGALI	PARMANPUR	PARMANPUR(PARMANPUR)	205	131	9.4
155	BOLANGIR	BED,BOLANGIR	LOISINGHA	LOISINGHA	MENDA	260	244	7.6
156	BOLANGIR	BED,BOLANGIR	LOISINGHA	SALEBHATA	BAKTI	174	161	8.0
157	BOLANGIR	BED,BOLANGIR	LOISINGHA	SALEBHATA	LUPURSINGHA	423	420	6.9
158	BOLANGIR	BED,BOLANGIR	TUSURA	DEAGAON	GAIBAHAL-1	225	198	9.2
159	BOLANGIR	BED,BOLANGIR	TUSURA	TUSRA	ARJUNPUR	244	226	6.9
160	BOLANGIR	BED,BOLANGIR	TUSURA	TUSRA	MAHALAI	221	202	6.4
161	BOLANGIR	BED,BOLANGIR	SDO-2	BARAPUDUGIA	GARJAN	47	40	8.4
162	BOLANGIR	BED,BOLANGIR	SDO-2	BARAPUDUGIA	HARDATAL	56	27	9.1
163	BOLANGIR	BED,BOLANGIR	SDO-2	BARAPUDUGIA	PIPALKANI	69	51	9.0
164	BOLANGIR	BED,BOLANGIR	SDO-2	BARAPUDUGIA	SHIBATALA	191	141	9.2
165	BOLANGIR	BED,BOLANGIR	SDO-2	BHADRA	JHARMUNDA	198	138	9.4
166	BOLANGIR	BED,BOLANGIR	SDO-2	BHADRA	SARGADA	224	89	9.8
167	BOLANGIR	BED,BOLANGIR	SDO-2	CHHATMAKHANA	DURGAPALI	190	117	9.2
168	BOLANGIR	BED,BOLANGIR	SDO-2	CHHATMAKHANA	KUSUMEL	243	170	9.0
169	BOLANGIR	BED,BOLANGIR	SDO-2	KUDASINGHA	KUDASINGHA	28	19	9.2
170	BOLANGIR	SED,SONEPUR	BINKA	BHATABAHALI	SALEPALI	216	71	9.9
171	BOLANGIR	SED,SONEPUR	BINKA	BISHALPALI	BANKIGINDI	204	171	9.4
172	BOLANGIR	SED,SONEPUR	BINKA	CHERUPALI	PANDKITAL	91	71	9.4
173	BOLANGIR	SED,SONEPUR	BINKA	CHERUPALI	SARGUL	411	300	9.0
174	BOLANGIR	SED,SONEPUR	BINKA	PANKITAL	BADKERLEY	364	123	9.8

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
175	BOLANGIR	SED,SONEPUR	BM-PUR	AINLACHAT	CHADHEIPANK	250	143	9.9
176	BOLANGIR	SED,SONEPUR	BM-PUR	ULLUNDA	THENGO	288	142	9.8
177	BOLANGIR	SED,SONEPUR	BM-PUR	BM-PUR	JALOI	217	27	10.0
178	BOLANGIR	SED,SONEPUR	SONEPUR	DUMERBAHAL	JHARBALANGIR	85	26	9.9
179	BOLANGIR	SED,SONEPUR	SONEPUR	HARDOKHOL	BISIMUNDA	324	315	7.8
180	BOLANGIR	SED,SONEPUR	SONEPUR	HARDOKHOL	KHAMBESWARIPALLI	82	58	9.8
181	BOLANGIR	SED,SONEPUR	SONEPUR	DUBLA	LUKAPALI	198	152	9.4
182	BOLANGIR	SED,SONEPUR	SONEPUR	KHARI	BIJEPADAR	296	145	9.6
183	BOLANGIR	SED,SONEPUR	SONEPUR	KHARI	NARAYANPUR	305	198	9.9
184	BOLANGIR	SED,SONEPUR	SONEPUR	KHARI	PUA	269	89	9.9
185	BOLANGIR	TED,TITLAGARH	KANTABANJI	TUREIKELA	R.E	149	100	9.2
186	BOLANGIR	TED,TITLAGARH	PATNAGARH	KHAPRAKHOL	DHANDAMUNDA	180	107	9.8
187	BOLANGIR	TED,TITLAGARH	PATNAGARH	PATNAGARH	BATHARLA	209	113	9.1
188	BOLANGIR	TED,TITLAGARH	PATNAGARH	PATNAGARH	OLD GHASIAN	299	128	9.3
189	BOLANGIR	TED,TITLAGARH	PATNAGARH	THAKPADA	BANJARI	153	118	8.6
190	BOLANGIR	TED,TITLAGARH	KARAMTALA	BELGAON	GHUNSIR	161	36	9.9
191	BOLANGIR	TED,TITLAGARH	TITLAGARH	PANDRIPANI	DEDGAON	258	105	9.7
192	ROURKELA	RED	BISRA	BANDAMUNDA	BANDHAMUNDA	69	58	8.0
193	ROURKELA	RED	BISRA	NIT	OSAP	130	124	9.1
194	ROURKELA	RED	UDIT NAGAR	POWER HOUSE	UDIT NAGAR	132	19	9.9
195	ROURKELA	RED	UDIT NAGAR	POWER HOUSE	MAIN ROAD	65	46	9.7
196	ROURKELA	RSED	BONEI	KOIRA	INDUSTRY -2	55	20	9.8
197	ROURKELA	RSED	BONEI	KOIRA	KOIRA KALTA	4	3	9.8

Approved by Nanda.

Sl. No	CIRCLE	DIVISION	SUB-DIVISION	PSS	Name of the Feeder	Total no. of Section	No.of Under voltage Section	Minimum voltage (kV)
198	ROURKELA	RSED	BONEI	TENSA	TENSA	113	61	8.4
199	ROURKELA	RSED	BONEI	TUNIAPALI	INDRAPUR	219	204	6.5
200	ROURKELA	RSED	BONEI	TUNIAPALI	SARSARA	337	256	9.4
201	ROURKELA	RSED	BONEI	BONAI	GURUNDIA(NARENDRA)	237	23	10.0
202	ROURKELA	RSED	PANPOSH	LATHIKATA	BANKI	213	34	10.0
203	ROURKELA	RED,RAJGANGPUR	KALUNGA	BALANDA	TYNSAR	729	688	9.0
204	ROURKELA	RED,RAJGANGPUR	KUARMUNDA	BIRAMITRAPUR	BIJABAHAL	180	6	10.0
205	ROURKELA	RED,RAJGANGPUR	KUARMUNDA	BIRAMITRAPUR	TOWN-1	49	43	10.9
206	ROURKELA	RED,RAJGANGPUR	KUARMUNDA	NUAGAON	POTRAPALI	414	395	8.8
207	ROURKELA	RED,RAJGANGPUR	KUARMUNDA	NUAGAON	SARADA	403	322	9.1
208	ROURKELA	RED,RAJGANGPUR	KUARMUNDA	RAIBOGA	SALONGBAHAL	345	106	9.9
209	ROURKELA	RED,RAJGANGPUR	RAJGANGPUR-2	JHARBEDA	SONA KHAN	336	216	9.6
210	ROURKELA	SUNDARGARH	SUNDARGARH	MAJHAPADA	MAJHAPADA	275	61	9.9
211	ROURKELA	SUNDARGARH	SUNDARGARH	SANKARA	KUNDUKELA	160	13	9.9
212	ROURKELA	SUNDARGARH	SUNDARGARH	SANKARA	TOWN-1	49	43	10.9
213	ROURKELA	SUNDARGARH	SUNDARGARH	SUBDEGA	TANGARGAON	276	11	10.0
214	ROURKELA	SUNDARGARH	SUNDARGARH	SUBDEGA	ROULDEGA	162	135	9.4
215	ROURKELA	SUNDARGARH	UJJALPUR	HEMGIRI	KANIKA	270	214	9.7
216	ROURKELA	SUNDARGARH	UJJALPUR	KINJIRKELA	KINJIRKELA	483	237	9.8
217	ROURKELA	SUNDARGARH	UJJALPUR	LEPHRIPADA	DUMABHALA	201	138	8.9
218	ROURKELA	SUNDARGARH	UJJALPUR	LEPHRIPADA	GUNDIADIHI	115	52	9.9

Ashwini R. Nimbalkar.

Capital Expenditure Status

After completion of various projects under Capex Scheme and other govt. funded scheme, improvement observed in the existing network condition glimpse of which is shown in various photos. Below table shows the Capital Expenditure Status for FY21-22, FY22-23 & FY23-24.

Capex Expenditure Status for FY21-22:

Particulars	Description	OERC Approved Budget	Actual Capex	Capitalization	Expected Capitalization
		(Rs. Cr.)			
Statutory, Safety and Security	Earthing, Fencing and boundary wall	55.54	55.15	52.57	55.54
	Life enhancement of feeder network in respect of maintaining safe horizontal / vertical clearances	20.54	19.18	17.52	20.54
	Meter Testing Lab	10.35	9.51	9.31	10.35
	Provision of Safety Equipment & PPEs to workforce	12.05	12.04	11.75	12.05
	TOTAL	**98.48**	**95.88**	**91.14**	**98.48**
Loss Reduction	Energy Meter replacement	4.08	3.96	3.14	4.08
	Refurbishment /augmentation of 33 kV/ 11 kV/ 0.415 kV network to reduce Losses	38.40	36.83	35.60	38.40
	TOTAL	**42.48**	**40.79**	**38.74**	**42.48**
Network Reliability	Augmentation of LV side protection System along with DT LA	12.45	12.42	12.34	12.45
	Installation of AB switches/ Isolators/ Insulators on 33 kV and 11 kV Network	14.30	13.07	12.26	14.30
	Pilot Project for Installation of	2.00	0.00	0.00	2.00

Particulars	Description	OERC Approved Budget	Actual Capex	Capitalization	Expected Capitalization
		(Rs. Cr.)			
	Fault Passage Indicator (FPI)				
	Refurbishment/Life enhancement of 33/11 kV Primary Substation /Additional New Substations	20.16	14.77	12.52	20.16
	TOTAL	**48.91**	**40.26**	**37.12**	**48.91**
Load Growth	Network enhancement / Unforeseen emergency Capex requirement	39.71	36.32	32.55	39.71
	TOTAL	**39.71**	**36.32**	**32.55**	**39.71**
Technology and Civil Infrastructure	Infrastructure for Customer Care, Call Centre, Payment Centre, and Section Offices	2.04	0.00		**2.04**
	Admin	5.00	4.84	4.78	5.00
	CIVIL	23.62	23.22	23.13	23.62
	GIS Implementation	5.00	6.38	6.38	6.38
	GSAS	9.52	6.71	5.97	9.52
	IT & Technology for process efficiency	42.02	45.62	45.62	45.62
	SCADA Implementation	15.30	15.16	15.16	15.30
	Security system in Central stores	1.05	1.01	1.01	1.05
	TOTAL	**103.55**	**102.94**	**102.04**	**103.55**
Grand Total		**333.13**	**316.19**	**301.60**	**333.13**

Approved by Board.

Capex Expenditure Status for FY22-23:

Particulars	Description	OERC Approved Budget	Actual Capex	Capitalization	Expected Capitalization
		(Rs. Cr.)			
Statutory, Safety and Security	Boundry Wall & Infrastructure	17.5	16.67	16.03	17.5
	Earthing and Fensing	15.5	11.41	9.42	15.5
	Life Enhancement of Network	15.09	12.07	7.63	15.09
	Testing and Safety Equipments	4.31	4.29	3.93	4.31
	TOTAL	**52.4**	**44.44**	**37.02**	**52.4**
Load Growth	Network Enhancement/unforseen Emergency	145.57	90.7	74.64	145.57
	TOTAL	**145.57**	**90.7**	**74.64**	**145.57**
Loss Reduction	Energy Audit & Meter Related	13.52	5.42	1.26	13.52
	Replace-LT Bare conductor/ AB cable	30.08	25	22.77	30.08
	Spot Billing	3.2	1.19	0.23	3.2
	TOTAL	**46.8**	**31.61**	**24.25**	**46.8**
Reliability	Network Comp-33/11Kv - Dist- Sub Station	14.6	11.18	5.52	14.6
	Network Components-33/11Kv -Lines	52	34.26	28.47	52
	Network Components-33/11Kv –Sub Station	51.74	35.57	20.93	51.74
	TOTAL	**118.34**	**81.01**	**54.92**	**118.34**
Technology & Infrastructure	Infrastructure - Admin	1.5	1.49	1.50	1.5
	Infrastructure - Civil	18	16.47	13.31	18
	Infrastructure - Customer Needs	2.78	1.18	0.49	2.78
	Infrastructure - Stores	4.04	3.77	3.31	4.04
	IT & Technology	48.19	37.74	34.15	48.19
	OT-GIS/SCADA	40.1	15.18	15.18	40.1
	TOTAL	**114.61**	**75.83**	**67.95**	**114.61**
	Grand Total	**477.72**	**323.59**	**258.79**	**477.72**

Expected by Nov'23.

Capex Expenditure Status for FY23-24:

Particulars	Description	OERC Approved Budget	Actual Capex	Capitalization	Expected Capitalization
		(Rs. Cr.)			
Statutory, Safety and Security	Life enhancement of network and maintaining safe horizontal/ vertical clearances maintaining safe horizontal / vertical clearances	9.02	0.59	0.00	5.41
	Provision of Testing Equipment & PPEs to workforce	3.79	0.00	0.00	2.27
	Fencing, Boundary wall and Infrastructure works at Primary & Distribution substation	21.31	3.63	2.56	12.79
	TOTAL	34.12	4.22	2.56	20.47
Loss Reduction	Energy Audit & Meter related activity	27.04	1.76	0.00	16.22
	Replacement of LT Bare conductor with AB cable	31.96	7.53	0.34	19.18
	TOTAL	59.00	9.29	0.34	35.40
Network Reliability	Replacement/Addition of network component in 33/11KV Primary Substation	23.37	0.22	0.00	14.02
	Replacement/Addition of network component in 33KV & 11KV Line	36.08	1.63	0.09	21.65
	Replacement/ Addition of network component in Distribution Substation	10.03	0.40	0.00	6.02
	TOTAL	69.48	2.25	0.09	41.69
Load Growth	Network Enhancement/unforeseen Emergency	67.82	7.55	0.90	40.69
	TOTAL	67.82	7.55	0.90	40.69
Technology & Infrastructure	IT & Technology Intervention	67.48	0.35	0.00	40.49

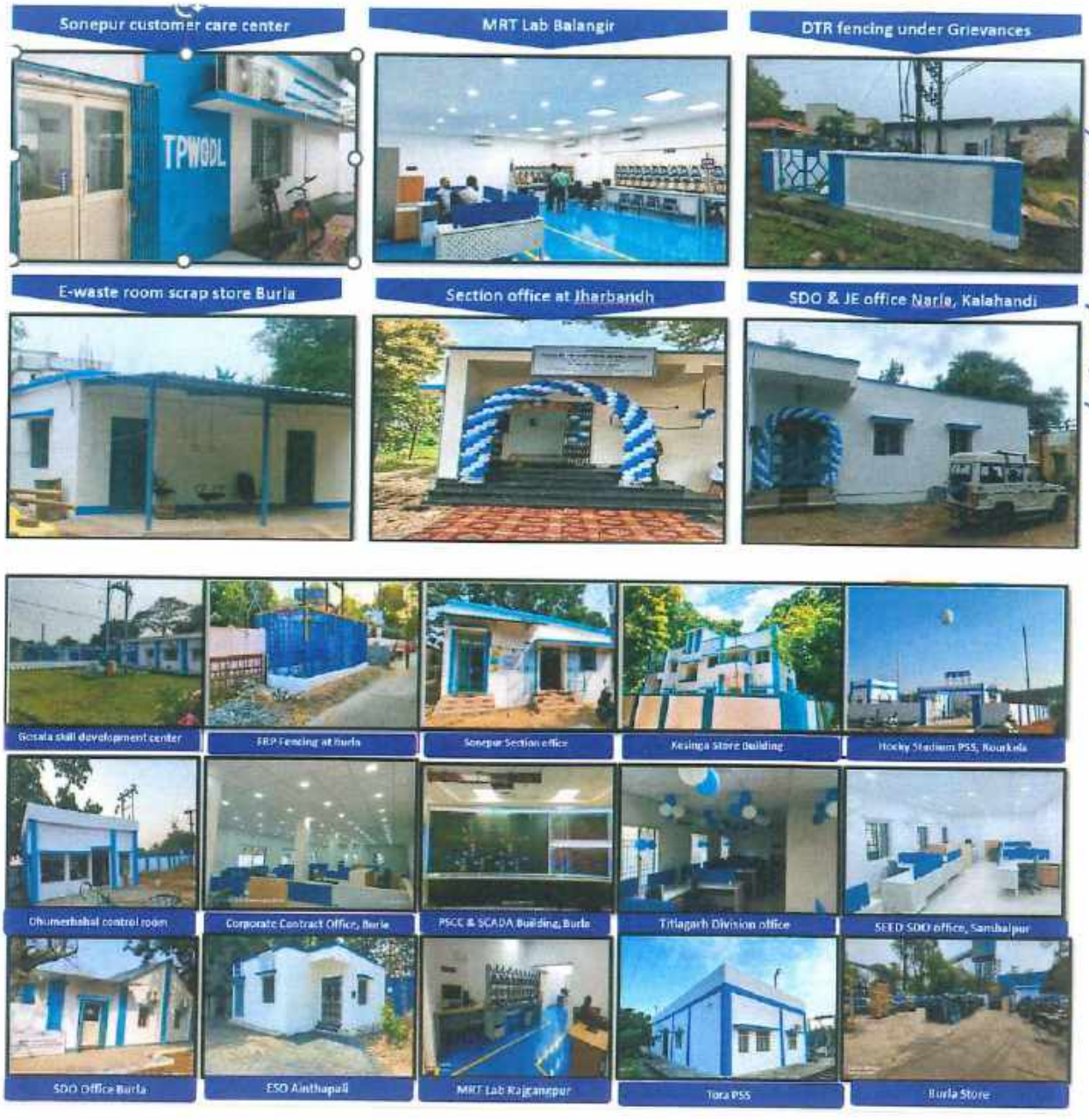
highlighted on Nanda.

Particulars	Description	OERC Approved Budget	Actual Capex	Capitalization	Expected Capitalization
		(Rs. Cr.)			
	OT-GIS Communication &Other	62.21	2.38	2.07	36.43
	Improvement of Civil Infrastructure	15.65	2.38	0.36	10.29
	Infrastructure - Stores	4.35	0.01	0.01	2.61
	Infrastructure - Admin	1.80	0.94	0.76	1.08
	TOTAL	151.49	6.06	3.20	90.89
		381.91	29.37	7.09	229.15

Improvement in Civil infrastructure:

Civil infrastructures were in very deteriorated condition during initial phases and to improve the existing facilities and infrastructure by necessary civil jobs and IT facilities to provide a better consumer experience and a modern, rich, and conducive work environment to all employees for better performance.

Here are some glimpses of Civil work of our Offices located in different circles after enfusing capex for last 3 years.



TPWODL

RENOVATION/EXTENSION OF OFFICES COMPLETED

TPWODL

MODERNIZATION OF PSS


Tora PSS


Hockey stadium PSS


NIT PSS


Parmanpur PSS


Power house PSS


Koelnagar PSS


Kusadunguri PSS


Chend PSS

PSS BOUNDARY WALL

TPWODL

ATABIRA GRID, BARGARH

TIKIRKUNGA GRID, BARGARH

KOLABIRA, SAMBALPUR

CHERUAPADA GRISD, SBP

RED GRID-3 , BARGARH

BANDHGARH, SAMBALPUR

UTKELA KALAHANDI

KESINGA PSS, KALAHANDI

Meter Testing Labs

TPWODL

- We have completed 3nos Meter testing Labs at Sambalpur (Burla), Rourkela (Rajgangpur) and Balangir.

Burla MRT NABL Lab

RED Rajgangpur MRT Lab

Balangir MRT Lab

CIRCLE AND BWED OFFICE , BARGARH

TPWODL

RENOVATION OF ESO-2 SECTION OFFICE,BGH-1 SD ,BED DIVISION , BARGARH

TPWODL

NEW STORE AT BHATLI ,BED, BARGARH

TPWODL

NEW BOUNDARY WALL AT BHATLI PSS,BED, BARGARH

TPWODL

RENOVATION OF SUB-DIVISION & SECTION -2 ,ATTABIRA, BARGARH

TPWODL

NEW SECTION OFFICE – THUAPALI, BARGARH

TPWODL

KHUNTULIPALI SECTION OFFICE, BARGARH

TPWODL

JUNAGARH SDO OFFICE

TPWODL

Capex Proposal-FY 25 & FY26

Capital investments are proposed under the following broad cost centers that shall be aligned with multiple initiatives and schemes to reduce AT&C losses, improve system reliability, and augment the network to support continuous load growth. Further, a need is also felt to improve the existing facilities and infrastructure by necessary civil jobs and IT facilities to provide a better consumer experience and a modern, rich, and conducive work environment to all employees for better performance.

The Key activities proposed under each category are listed below:

1. ***Statutory, Safety and Security:***

1.1 Life enhancement of network and maintaining safe horizontal / vertical clearances

1.2 Provision of Testing & Safety Equipment to workforce

1.3 Fencing, Boundary Wall and infrastructure works at Primary & Distribution substation

2. Loss Reduction

2.1 Energy Audit & Meter related activity

2.2 Replacement of LT Bare conductor with AB cable

3. Reliability

3.1 Replacement/Addition of network component in 33/11KV Primary Substation

3.2 Replacement/Addition of network component in 33KV & 11KV Line

3.3 Replacement/Addition of network component in Distribution Substation

4. Load Growth

4.1 Network enhancement / unforeseen emergency

5. Technology & Infrastructure

5.1 Technology Intervention- IT & Technology

5.2 Technology Intervention- GIS, Communication & Others Implementation

5.3 Improvement of Civil Infrastructure

5.4 Store Infrastructure

5.5 Ready to Use assets for Offices

1. Safety, Statutory and Security:

1.1 Life enhancement of network and maintaining safe horizontal / vertical clearances:

Proper upkeep of the feeders is important for ensuring safety and reliability of power supply. Most of the 33kV / 11kV / LT feeders are in deteriorated condition and poses safety threat to the human beings and animals. Most of the feeders have binding wire / multiple joints. As a result, there are chances of snapping of conductors and subsequent electrocution of human beings / animals since cradle guards are not provided. Moreover, over sagged wires in 33kV or 11kV feeders are posing major threat to the lives of human beings and animals. At some places, due to re-construction / widening of roads, vertical/horizontal clearances of the feeders have been reduced.

To ensure safety and reliable power supply to end consumers TPWODL proposes

1. Intermediate Pole to increase of height for 11 kV and 33 kV sagging line.
2. National Highway, SH & River Crossing crossing with Guarding on 16 Mtr Pole.
3. Replacement of Open Conductor with Covered Conductor inside forest, city and high-density public area.

1.2 Provision of Safety Equipment & Testing PPEs to workforce:

TPWODL has purchased and supplied urgent and necessary PPE to all its field employees, the cost of which was either covered in the Capex or Opex (for BA supplied PPEs). There are several incidents occurred while carrying out the operation and maintenance activities on network. Now the most challenging task for TPWODL is awareness among work force for proper utilization of existing PPE. Similarly, the desired testing tools are not available resulting sever incidences. 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.

1.3 Fencing, Boundary Wall and infrastructure works at Primary & Distribution substation:

Fencing at most of the places were observed either damaged or not available, posing major safety threat to public and animals. Also, at many 33/11 KV primary substations (Structures or PSS), boundary walls are observed broken and there is no fencing between the substation premises and 33KV outdoor switchyard. This makes the PSS highly unsafe, as there were chances of entry of unauthorized persons and animals into the live switchyard and undue accident / incident. The existing earthing system is in very bad condition and ineffective. Below are some glimpses of Before & After of fencing at various locations.

Capex requirement for Statutory & Safety:

TPWODL proposes capital expenditure of INR 51.53Cr for FY 24-25 & INR 48.29Cr for FY 25-26 to ensure Safety and Statutory compliant network.

Table below suggest the activities to be performed along with funds required under Statutory and Safety Head:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (in Cr)	Proposed Capex FY 25-26 (in Cr)
1	Statutory, Safety and Security	i) Life enhancement of network and maintaining safe horizontal / vertical clearances	Intermediate Pole to Increase height for 11 kV and 33 kV Network	5.74	5.00
			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
		ii) Provision of Testing Equipment & PPEs to workforce	Testing equipment & Software	6.28	5.00
			Safety Equipment (Discharge Rod, Neon Tester etc.)/ Virtual Reality uses for	4.92	4.20

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (in Cr)	Proposed Capex FY 25-26 (in Cr)
			Switchyard Operation and Safety Training by PSCC Group/Man Lifter/ Tree Pruner(Battery Operated)		
		iii) Fencing, Boundary Wall and infrastructure works at Primary& Distribution substation	Fencing of Distribution Substation	8.50	8.50
			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
			Sub Total- Statutory, Safety and Security	**51.53**	**48.29**

2. Loss Reduction:

During limited site inspections, energy meters were observed missing at consumer's premises. There were many non- functional energy meters comprising of obsolete technology-based energy meters, burnt, rusted and faulty energy meters.

The above issues are resulting into reduction in billing efficiency, high AT&C losses. This also caused increase in making provisional billing, defective bills and substantial consumer complaints leading to customer dissatisfaction. Errors in bills leads to non-payment of bills and thus hampers the collection efficiency.

The present AT&C Loss of existing system is 18%. To reduce the techno-commercial losses the following key activities are planned for execution:

- Energy Audit & Meter related activity

- Replacement of LT Bare conductor with AB cable.

2.1 Energy Audit & Meter related activity includes:

- 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
- 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
- Replacement 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
- Installation of CT PT MC MU & Testing
- "Installation of Metering Unit, Meters and Modems at PSS Boundary Points"
- DTR Smart Metering 100KVA & above
- High Value Industrial Audit Point Metering & HT-LT check Metering
- Printer and associated equipment's for Spot Billing.

2.2 Replacement of LT Bare conductor with AB cable

Most of the LT feeders are connected radially and have long length by typical standards. The number of joints in the feeder are also on higher side. The long length of the feeders and joints are the potential source of technical losses and causing poor voltage regulation in the network. In addition to that, bare LT line is prone to connect the electricity supply in unauthorized manner, which increases the commercial losses. Conversion of bare conductor with LT ABC will help reduce the commercial losses. Therefore, it is proposed to replace LT bare with LT ABC in theft prone area.

- **Benefits:**

By executing the proposals as made in this head, 415V network can be strengthened and we would be able to serve our consumers in much better way. Following benefits are envisaged from this investment:

a. Reliable Power supply to the Consumers since bare conductor will get converted into
b. insulated cable.
c. Comparatively safer than the LT Bare conductor and eliminate the element of risk if
d. comes in proximity.

e. Simpler installation, as crossbars and insulators are not required.

f. Suitable for congested lanes as well.

g. Electricity theft is becoming hard as hooking would not be possible.

h. Less required maintenance and necessary inspections of lines.

To improve the safety factor, minimize the safety accident risk, reduce the chances of fault & strengthen existing 415V network, it is suggested for replacement of overhead bare conductors with new aerial bundled cables. This in turn will help in providing reliable power supply for all consumers & stakeholders.

To summarize, TPWODL proposes capital expenditure of INR **54.61 Cr** for FY24-25 and **INR 47.12** Cr. for FY25-26 Loss reduction schemes to sustain and further reduce the existing AT&C loss level.

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (in Cr)	Proposed Capex FY 25-26 (in Cr)
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	12.00
			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

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (in Cr)	Proposed Capex FY 25-26 (in Cr)
			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
		ii) Replacement of LT Bare conductor with AB cable	Replacement of LT Bare conductor with AB cable	10.93	10.00
			Sub Total-Loss Reduction	**54.61**	**47.12**

3. Network Reliability:

TPWODL have a large number of long overhead feeders with an average length of 30 KMs in urban and 110 KMs in rural areas. The present power distribution network is in extremely dilapidated condition resulting into frequent trippings and as a result, consumers are not getting reliable and quality power supply.

PTRs of various capacities are installed in the TPWODL system. These installations were covered under the older conventional PSS as well as the various ODSSP phases which have come over the years.

Following key issues observed in old type PSS:

a. Absence of incoming line breakers.

b. Absence of L.A, CT, PT and AB Switches.

c. Absence of primary and secondary breakers of Power Transformer.

d. Absence of protection relays.

e. Non- functional Battery and Battery charger.

Because of above shortage of equipment and necessary protection co-ordination, we observed multiple trippings resulting into frequent power failure to the end consumer.

To ensure highest reliability, few 33/11KV substations should have more than one source of power supply along with desired protection and equipment. TPWODL intends to implement the following actions to improve the reliability of power supply.

- Identification and replacement of faulty equipment causing frequent tripping's.
- Identification and commissioning of new equipment which are required as per industry standard.
- Introduction of technology to ensure faster restoration of supply in case of any tripping.

3.1 Replacement/Addition of network component in 33/11KV Primary Substation:

PSS being a vital installation between customer and utility, it is proposed to refurbish bay equipment's to improve the reliability.

The following activities are planned:

1. Refurbishment work in PSS (Structure Replacement / Yard Refurbishment/Civil Foundation for VCB & PTR)"

2. Replacement/ Segregation of Old 11kv breaker/ Group Breaker with new (O/D CT-) (including civil & control cable)

3. Replacement/ Segregation of Old 33 kv breaker/ Group Breaker with new (O/D CT-) (including civil & control cable)
4. Feeder protection-OC Relay & Control (BCPU)
5. Replacement of Indoor Switchgear Panels along with associated equipment
6. Replacement of Sub station Transformer -33/0.4KV 100KVA Trf.
7. Replacement of Battery & Battery Charger/ACDB Panel/DCDB Panel
8. ERS Tower (Emergency Restoration Tower)
9. Implementation of Automation/Scada
10. Roof top for Office/ Building lighting/Solar Rooftop generation with Net metering & Emergency lighting
11. High Mast/Lighting arrangement for PSS/Store

3.1 Replacement/Addition of network component in 33/11KV Primary Substation.

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.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.

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:

The numerical relays encompass multiple protection into a single relay. These relays can be easily programmed to ensure that all the requisite protection can be achieved with the minimal number. Additionally, since these relays do not have any moving parts, drifting of settings also do not arise. Hence regular checks and balances can be avoided, and reliability of the system can be improved.

Increased Reliability:

The new relays provide enough scope to ensure that relay coordination can be achieved across the power system. The use of these relays will help in reducing the interruptions caused due to uncoordinated tripping thereby helping in improving the reliability indices of the organisation.

Fault Analysis:

As compared to erstwhile relays, the numerical relays have an inbuilt function of having Fault Disturbance Recorders (FDRs) which help in capturing, storing and retrieving of critical data during fault conditions. These data help the utility to carry out root cause analysis and take preventive actions as and when required.

3.2 Replacement/Addition of network component in 33KV & 11KV Line :

As per present network scenario majority of 11KV & 33KV, networks are overhead in nature. Also, average feeder length is more than 80 KMs. Many O/H feeders are passing through forest area. Most faults that occur on overhead lines are transient faults caused by lightning and tree branches touching the live line conductor.

The following activities are planned to strengthen the 33KV & 11KV Line:

1. Refurbishment/Augmentation of old 11KV line
2. Refurbishment/Augmentation of old 33KV line
3. Installation of 11KV & 33 KV 400A/200A AB switches & Isolator
4. Installation of 11KV & 33 KV FPI/HIGH VOLTAGE O/H LINE INDICATOR,RLSU
5. Installation of 11KV & 33 KV AB switches, Isolator & RMU
6. LA/33kV & 11kV Polymer Insulator
7. New Tower Addition/Replacement (Joda Tensa)
8. Railway Crossing using U/G Cable
9. 33KV & 11kV Auto Recloser & Sectionaliser

TPWODL would like to introduce communicable type Fault Passage Indicator, Auto-recloser & Sectionaliser.

With auto-reclosers and sectionalizers in 11KV feeders, field engineers would have flexibility to isolate the section locally instead of switching off entire feeder. In case of any tripping, maintenance engineer can isolate the faulty section and restore the supply of remaining consumers thereby improving the reliability. Consumer will experience less power cut and thus, reduction in consumer complaint.

Moreover, it is observed that multiple 11KV feeders are controlled through single 11KV breaker or AB switch in some primary substation. This year, we propose to install AB switches and isolators identified high tripping feeders. Similarly, in rural section, AB switches are proposed at lengthy 33KV & 11KV Feeders to have provision of isolation of section during any outages. This will help in improving the reliability.

3.3: Replacement/Addition of network component in Distribution Substation:

The LT feeders emanating from 11/0.415KV distribution substations are connected up to consumer premises. DSS has been commissioned at load center. Which are mostly located in public area.

Most of DSS protection and control are not operating properly. As a result, fault in any one LT circuit resulting into tripping of DT incoming 11KV feeder. Also, while carrying out maintenance or replacing the LT circuit blown fuses the operator needs to take hand trip of entire 11KV feeder from PSS. Thus, in above both circumstances affecting the supply of all customers connected on the same grid. In addition to that, various equipments associated in the DSS is not either not maintained or obsolete technology, which needs to be replaced at the earliest.

To overcome this situation, TPWODL is planning to strength the control and protection system at LT side at DSS level. Various initiatives proposed this year to improve the reliability of power supply in 11KV and downstream network are given below,

Refurbishment of above 100 KVA DTR along with LT Protection, earthing etc (other than Augmentation) Work Includes Folowing Activities.

1. Refurbishment of above 100 KVA DTR along with LT Protection
2. Installation of New DD Fuse Unit/LA/AB Switch/Earthing at DSS
3. DTR plinth Addition or Repair

The above initiative will not only ensure availability of LV protection system at DSS but will also ensure positive isolation to maintain safe working condition.

TPWODL proposes Capital expenditure of **INR 156.09 Cr in FY24-25 and INR 119.53 Cr in FY25-26** to strengthen the network, introduce technologies to enhance customer satisfaction in terms of safe and reliable power supply.

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr)	Proposed Capex FY 25-26 (Rs. Cr)
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	4.00
			Installation of 11kV 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 33kV 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 Relay & Control (BCPU)	1.56	0.00
			Replacement of Indoor Switchgear Panels along with associated equipment	3.91	4.15
			Replacement of Sub station 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	3.00	

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr)	Proposed Capex FY 25-26 (Rs. Cr)
			with Net metering & Emergency lighting		
			High Mast/Lighting arrangement for PSS/Store	0.50	0.50
		ii)Replacement/Addition of network component in 33KV & 11KV Line.	Augmentation of old 11kV line (for aged lines or to mitigate overloading/undervoltage)	19.60	13.06
			Augmentation of old 33kV line (for aged lines or to mitigate overloading/undervoltage)	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
		iii) Replacement/Addition of network component in Distribution Substation.	Remodelling of DSS (above 100 KVA DTR along with LT Protection, Augmentation)	12.97	8.59
			Sub Total-Reliability	**156.09**	**119.53**

Approved by Board.

4. Load Growth:

Considering the 8.07 % load growth trend for 2 years i.e. in FY 2024-26.

To meet this load growth appropriate network infrastructure needs to be strengthened.

4.1 Network enhancement / unforeseen emergency:

During site survey, it was observed that most of 33/11KV Primary Sub-Stations are having single incoming 33KV source. With failure of single existing 33KV source entire 33/11KV PSS gets shutdown thereby causing shutdown to all the downstream 11KV & LT network consumers.

It is also observed that HT consumers on 33KV and 11KV are being fed through tapping point instead of a dedicated feeder. Multiple HT consumers are fed through incoming source of 33/11KV PSS. In case of technical fault at one of the HT consumers leads to tripping of incoming source and other connected HT consumer.

To overcome this issue, it is proposed to establish link line from alternative available source.

At present 11KV feeders are radial and do not have ring connectivity with another 11KV feeder. As per N-1 philosophy, it is proposed to establish ring connectivity between nearest 11KV feeder in the vicinity and adjacent PSS 11KV feeder. Few such link lines will be established in first phase for some important feeders like Hospitals, town, commercial and key government establishments.

It is also observed that actual load demand has been increased substantially more than the assessed one due to various government approved electrification schemes. To cater the load enhancement cases and natural load growth it is essential to augment the existing infrastructure as per the need.

In addition to above after establishing the link line it is essential to have adequate capacity DT's and PTs in event of transfer of load from one grid to other. With said addition, there shall be improvement in voltage profile.

To support this phenomenon, we need to add/augment DT's, PTR's, Bay, Lines and PSS considering the following criteria's,

1. Existing load of both adjacent connected grids.
2. Individual incoming line capacities.
3. Rating of PTR at each PSS.
4. Existing load at each PSS & DSS.
5. New sanctioned load at each PSS & DSS.
6. Future load growth.

Based on the above criteria TPWODL is planning an expenditure of **INR 218.27 Cr. for FY24-25** and **INR 124.95 Cr. for FY25-26** for Network enhancement / Unforeseen emergency Capex requirement as per below table:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr)	Proposed Capex FY 25-26 (Rs. Cr)
4	Load Growth	i) Network enhancement / Unforeseen emergency.	Construction of 33 KV New/Link Line	70.00	62.66
			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
			Sub Total- Load Growth	**218.27**	**124.95**

5. Technology & Infrastructure:

In this head, all expenditure related to technology adoption and strengthening of various offices and establishment of Call center, data center etc. have been considered. Presently, customers are interacting through very few available mediums for resolution of their issues and queries.

5.1 Technology Intervention-IT & Technology:

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 honorable 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, honorable 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 center. TPWODL Information Technology has already initiated concrete steps towards 100% implementation of the approved schemes in FY 23. In FY24,Honorable commisio has approved Rs.67.48 Crores to Information Technology.

IT Capex Plan : Summary (FY 24 25)		
Sl. No.	Description	Total Rs. Cr
a	Disaster Recovery Centre-Hardware and Software	3.75
b	Data Center additional Hardware and Software	7.98
c	End user IT Infrastructure	3.42
d	Strengthen Network Connectivity	1.48
	Total	**16.63**

IT Capex Plan : Summary (FY 25 26)		
S. No.	Description	Total Rs. Cr
a	Disaster Recovery Centre-Hardware and Software	1.16
b	Data Center additional Hardware and Software	2.30
c	End user IT Infrastructure	2.15
d	Strengthen Network Connectivity	0.83
	Total	**6.44**

5.2 Technology Intervention- GIS, SCADA & Others Implementation:

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.

Total OT Capital Expenditure

Budget head	FY 24-25	FY 25-26
Automation	3.35	3.05
Communication	16	6.5
GIS	2	2
PSCC	1.5	
Total	**22.85**	**11.55**

Approved as Needed.

5.3 Improvement of Civil Infrastructure:

TPWODL currently have offices in all the five circles and subdivisions. Some of them are owned and about 40% offices are on rented property. TPWODL is facing challenge while accommodating additional new employees in current office buildings and infrastructure. The current existing infrastructure are old and needs modernization to provide hygienic, well ventilated and spacious work environment.

These office locations are touch base points between end consumers and utility. Hence, aesthetic along with safety of each stakeholders needs to be focused.

To ensure above it is proposed to carry out civil infrastructure of designated offices in phase manner.

- Fencing & Graveling of Distribution Substation
- Boundary Wall of Primary Substation
- PCC & Gravel Filling for Primary Substation including Cable Trench
- Access Road inside & Outside PSS

- Construction/Renovation for Control Room/Building in PSS
- Water Supply for PSS / Offices
- Practice Yard
- Additional Material Storage Platform & Road
- Store Building / Shed
- MMG/Other Department Store
- Fuse Call Centre / Customer Care
- New Building for Division/SDO/Section office including toilet facility
- Refurbishment of Old Office Building including Toilet
- Corporate Office & Guest House at Burla
- Major Office Building (Canteen, Porch at IT Bldg, Auditorium at Sambalpur, Conference Room Four Circle, Gosala Dining, SE MRT at Rourkela & Bargarh Jharsuguda Etc)
- HOTT & Enery Meter Section in 5 Circle for Safety Training
- Peripherial Development work of Offices
- Boundary Wall of Office Building
- Furniture for New Building / renovated old building

5.4 Store Infrastructure:

TPWODL operates his distribution business inventory management through designated central stores located at Rajgangpur, Bolangir and Kesinga.

The store does not have adequate protection of companies current asset(inventory) from fire hazards. Lacks proper storage and safe handling of materials. The stores do not have Fire alarm detection, protection, and security intrusion system. Infrastructure renovation & development is required.

5.5 Ready to Use assets for Offices:

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.

To summarize, **INR 148.29 Cr. for FY24-25** and **INR 111.54 Cr. for FY25-26** capital expenditure is proposed for Technology and Infrastructure section:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr)	Proposed Capex FY 25-26 (Rs. Cr)
5 A	IT Infrastructure	i) Technology Intervention- IT & Technology.	Disaster Recovery Centre - HW & SW	3.75	1.16
			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**
5 B	OT Infrastructure	ii) Technology Intervention- GIS, Communication & Others Implementation	Implementation of GIS	2.00	2.00
			Communication Infrastructure	16.00	6.50
			Sub Total- OT Infrastructure	**18.00**	**8.50**
5 C	Civil, Admin and Other Infrastructure	iii)Improvement of Civil Infrastructure	Additional Material Storage area platform & road	3.00	2.00
			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

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 24-25 (Rs. Cr)	Proposed Capex FY 25-26 (Rs. Cr)
			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	
			Sub Total- Civil & Admin Infrastructure	**56.83**	**48.30**
			Sub Total-Technology & Infrastructure	**91.46**	**63.24**

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	i) Life enhancement of network and maintaining safe horizontal / vertical clearances	Intermediate Pole to Increase height for 11 kV and 33 kV Network	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	
		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	
		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	

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.
			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	
			Sub Total- Statutory, Safety and Security	**51.53**		**48.29**	
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	8.00		8.00	

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.
			Complaints, NSC, Shifting of Meters, Field Survey, etc) - This excludes Meter Cost				
			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	
		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
			Sub Total-Loss Reduction	**54.61**		**47.12**	
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	3.00		2.46	

Reduced as under.

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.
			(Segregation, replacement of obsolete breakers along with CT,PT, civil & control cable)				
			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 Relay & Control (BCPU)	1.56		0.00	
			Replacement of Indoor Switchgear Panels along with associated equipment	3.91		4.15	
			Replacement of Sub station 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			

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.
			High Mast/Lighting arrangement for PSS/Store	0.50		0.50	
		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	
		iii) Replacement/Addition of network component in Distribution Substation.	Remodelling of DSS (above 100 KVA DTR along with LT Protection, Earthing etc , Other than Augmentation)	12.97	Annexure-13A	8.59	Annexure-13B
			Sub Total-Reliability	**156.09**		**119.53**	

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.
4	Load Growth	i) Network enhancement / Unforeseen emergency.	Construction of 33 KV New/Link Line	70.00	Annexure-14A	62.66	Annexure-14 B
			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	
			Sub Total- Load Growth	**218.27**		**124.95**	
5 A	IT Infrastructure	i) Technology Intervention -IT & Technology.	Disaster Recovery Centre - HW & SW	3.75	Annexure-15A	1.16	Annexure-15 B
			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**	
			Implementation of GIS	2.00		2.00	

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.
5 B	OT Infrastructure	ii) Technology Intervention -GIS, Communication & Others Implementation	Communication Infrastructure	16.00	Annexure-16A	6.50	Annexure-16B
			Sub Total- OT Infrastructure	**18.00**		**8.50**	
5 C	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	

Approved as per Annexure.

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.
			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			
			Sub Total- Civil & Admin Infrastructure	**56.83**		**48.30**	
			Sub Total-Technology & Infrastructure	**91.46**		**63.24**	
			Grand Total	**571.97**		**403.13**	
			TOTAL FY25+FY26	**975.10**			

Revised Capex Annexure

Benefits of Proposal

Refurbishment of substations and feeders will benefit TPWODL through

i. Improvement of voltage profile
ii. Reduction in number of outages
iii. Increase in vertical clearances
iv. Reduction in equipment downtime
v. Reduction in unserved energy
vi. Enhanced reliability of power supply
vii. Reduction in number of accidents.
viii. Ease of Operation and Operational flexibility

Benefits of SCADA:

Centralized operation would ensure optimum resource utilization of the hardware and software and functionalities used in the SCADA System. Other benefits include:

i. This will ensure efficient operation & monitoring under steady state, dynamic & transient condition of the system.
ii. To achieve improvement in operations considering complex Load- Demand cycle changes to bring in better and holistic visibility while making critical decisions.
iii. Optimize on unscheduled power interchange, maximize utilization of the assets
iv. Better Inventory management, low maintenance cost
v. Multi-skilling of operational and maintenance personals
vi. Enhanced operational safety
vii. Using the latest Operating systems, with enhanced functionalities, enabling Analysis and Power System studies/event analysis including Integrated Graphical User Interface (GUI) for SCADA, ADMS and other applications, which would be uniform across all substations and would be cyber security compliant for IT/OT integration requirements of the future.
viii. With common system interfaces, it brings in optimized resource management, common training platform for systems, and maintenance of assets. Avoidance of multiple systems in OS and software is also affected.
ix. Data exchange with redundancy to any external system

x. Better Control on Cyber Security Management, optimization of cyber security measures implementation

xi. Better Data Synchronization between MCC, APSCC, ensuring data accuracy, availability and reliability

xii. N-2 Communication redundancy will be provided at critical location for communication by using advanced MPLS Technology

xiii. Improved reliability of service

xiv. Better Integration and coordination with enterprise system to provide relevant information to those internal & external users that rely on accurate information in a timely manner

Benefits to Customer:

a. Reduction in restoration time of outage

b. Improved reliability of service

c. Better control of power quality and enhanced use of reactive power sources

d. Useful feedback information to the customer in terms of expected outage duration time etc.

e. Monitoring the potential quality problems and the reliability problems due to supply interruptions.

Kshirod Ch. Nimda.