

BEFORE THE HON'BLE
ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN
PLOT NO.4, CHUNOKOLI, SHAILASHREE VIHAR, CHANDRASEKHARPUR,
BHUBANESWAR-751021

Case No. 97 of 2022

Filing No: 02

In the matter of: An application on Revised submission for approval of Annual Capex Plan of TPWODL for FY-2023-2024 in line with board approval & compliance to Hon'ble Commission's direction vide para 39 of the vesting order dated 28.12.2020 (Case No.82 of 2020);

AND

In the matter of:

M/s. TP Western Odisha Distribution Ltd. (TPWODL)
Regd. Office Burla, Sambalpur, Odisha-768017

AFFIDAVIT

I, Sri Kshirod Chandra Nanda, aged about 54 years S/o Late Radhanath Nanda, presently working as the GM (RA & Strategy), TP western Odisha Distribution Ltd, Corporate Office, Burla do hereby solemnly affirm and state as follows: -

1. That, I am the authorized representative of the Applicant.
2. That, I have gone through the contents of the present revised application and am well versed with the facts laid down there-under.
3. That, the facts stated in the present revised application are true to the best of my knowledge and belief and the same are basing upon available records.

Kshirod Ch Nanda.

DEPONENT

VERIFICATION

Solemnly affirmed at *Sambalpur* on this *18* day of May, 2023 that the contents of the above affidavit are true to my knowledge (as derived from the records), no part of it is false and nothing material has been concealed there from.

The deponent solemnly affirms
today at about *7:20* A.M./P.M

Kshirod Ch Nanda.

DEPONENT

PLACE: *Sambalpur*
DATE: *18/05/23*

K.P. Mishra
K.P. MISHRA *18/05/2023*
NOTARY
Reg.: ON-23/94
SAMBALPUR

**BEFORE THE HON'BLE
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AND

In the matter of:

M/s. TP Western Odisha Distribution Ltd. (TPWODL)

Regd. Office Burla, Sambalpur, Odisha-768017

Most Respectfully Sheweth,

1. That, TPWODL has taken over the distribution business from erstwhile WESCO utility w.e.f. 01.012021 in accordance with the terms of vesting order. As per commitment and mandate of Vesting Order, TPWODL has to invest Rs.1663 Cr towards CAPEX to ensure reliable power supply to the end customer. Since, such a huge investment would adversely affect tariff so investment has been staggered in 5 years in following manner:

FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
306	500	333	322	202	1663

2. That, in FY 21-22, TPWODL proposed capex investment of Rs. 462.42 Cr and Hon'ble Commission through regulatory proceedings approved the Capital expenditure of Rs. 333.13 Cr vide order dated 18.09.2021.
3. That, to avoid any delay TPWODL has filed its CAPEX plan for FY 2022-23 with a proposed amount of Rs. 582.18 Cr. out of which Hon'ble Commission has approved Rs. 477.72 Cr vide order dated 08.07.2022.

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4. That, TPWODL has a vast distribution area in western part of Odisha serving population of 88 lacs with a consumer base of more than 21 lacs and covering 48,373 sq.km, across 9 revenue districts of Odisha such as Bargarh, Bolangir, Deogarh, Jharsuguda Kalahandi, Nuapada, Sambalpur, Sonepur and Sundargarh. For effective operations, license area is divided in 5 circles, which is further sub divided in 17 Divisions, 57 Sub-division and 202 Sections which manages the commercial and O&M activities in order to serve its consumer.
5. That, Hon'ble Commission in para 57-c of CAPEX order for FY 21-22 vide case no. 07/2021 and in para 67-k of CAPEX order for FY 22-23 vide case no. 101/2021 has directed to submit quarterly progress report of approved capex plans. TPWODL is being complying to the direction consistently.
6. That, the progress of CAPEX for FY 2021-22 as on 14.11.2022 is appended below:

FY 2021-22					
Sl. No	Particulars	Capex Approved by OERC (Rs. Cr.)	Capitalized till Mar'22	Capitalized till 14.11.22	Expected Capitalisation by March'23
A	Statutory, Safety and Security				
1	Life enhancement of feeder network in respect of maintaining safe horizontal /vertical clearances	20.54	3.42	2.21	14.91
2	Provision of Safety Equipment & PPEs to workforce	12.05	2.07	5.03	4.95
3	Earthing, Fencing and Boundary Wall	55.54	16.76	10.59	28.19
4	Meter Testing Lab	10.35	5.92	0.00	4.43
Sub-Total		98.48	28.17	17.83	52.48
B	Loss Reduction				
1	Energy Meter Replacement	4.08	0.91	0.00	3.17
2	Technical Intervention-Installation of Smart meters	0.00	0.00	0.00	0.00
3	Refurbishment /augmentation of 33 kV/ 11 kV/ 0.415 kV network to reduce Losses	38.40	9.10	2.36	26.94
Sub-Total		42.48	10.01	2.36	30.11
C	Network Reliability				
1	Refurbishment/Life enhancement of 33/11 kV Primary Substation /Additional New Substations	20.16	0.02	1.24	18.90
2	Pilot Project for Installation of Fault Passage Indicator (FPI)	2.00	0.00	0.00	2.00
3	Augmentation of LV side protection System along with DT LA	12.45	0.00	0.00	12.45
4	Installation of AB switches/ Isolators/Insulators on 33 kV and 11 kV Network	14.30	2.54	1.81	9.95
Sub-Total		48.91	2.56	3.04	43.31
D	Load Growth				
1	Network enhancement / Unforeseen emergency Capex requirement	39.71	3.65	4.77	31.28

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Sub-Total		39.71	3.65	4.77	31.28
E	Technology and Civil Infrastructure				
1	Infrastructure for Customer Care, Call Centre, Payment Centre, and Section Offices	2.04	0.00	0.00	2.04
2	IT & Technology for process efficiency	42.02	44.22	2.66	0.00
3	GIS Implementation	5.00	2.43	1.20	1.37
4	SCADA Implementation	15.30	10.84	1.37	3.10
5	GSAS Implementation	9.52	0.29	0.18	9.05
6	Security system in Central stores	1.05	0.23	0.10	0.72
7	Improvement of Civil Infrastructure	23.62	14.23	3.16	6.23
8	Ready to Use assets for Offices	5.00	0.76	0.00	4.24
Sub Total		103.55	72.99	8.68	21.88
Total		333.13	117.39	36.68	179.06

7. That, the progress of CAPEX for FY 2022-23 till Oct'2022 is appended below:

FY 2022-23					
Sl. No.	Particulars	Capex Approved by OERC (Rs. Cr.)	Capitalized during FY 22-23 (till Oct-22)	Expected Capitalisation for FY 22-23	Proposed Capitalisation for FY 23-24
A	Statutory, Safety and Security				
1	Life enhancement of network and maintaining safe horizontal / vertical clearances	15.09	0.00	9.05	6.04
2	Provision of Testing Equipment & PPEs to workforce	4.31	0.00	3.02	1.29
3	Earthing, Fencing	15.50	1.05	8.25	6.20
4	Boundary Wall and infrastructure works at Primary sub-station	17.50	4.29	6.21	7.00
Sub-Total		52.40	5.34	26.53	20.53
B	Loss Reduction				
1	Energy Audit & Meter related activity	13.52	0.00	9.46	4.06
2	Spot Billing	3.20	0.00	2.24	0.96
3	Replacement of LT Bare conductor with AB cable	30.08	0.51	20.55	9.02
Sub-Total		46.80	0.51	32.25	14.04
C	Network Reliability				
1	Replacement/Addition of network component in 33/11 kV PSS	51.74	0.17	33.46	18.11
2	Replacement/Addition of network component in 33/11 kV Line	52.00	0.00	33.80	18.20
3	Replacement/Addition of network component in Distribution Substation	14.60	0.15	9.34	5.11
Sub-Total		118.34	0.32	76.60	41.42
D	Load Growth				
1	Network enhancement / Unforeseen emergency	145.57	2.58	92.04	50.95
Sub-Total		145.57	2.58	92.04	50.95

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E	Technology and Civil Infrastructure				
1	Infrastructure to meet Customer needs	2.78	0.00	1.95	0.83
2	Technology Intervention-IT & Technology	48.19	4.64	29.09	14.46
3	Technology Intervention- GIS, SCADA & Others Implementation	40.10	0.05	28.02	12.03
4	Improvement of Civil Infrastructure	18.00	1.71	10.89	5.40
5	Store infrastructure	4.04	0.00	2.83	1.21
6	Ready to Use assets for Offices	1.50	0.00	1.05	0.45
7	EV Charging in TPWODL Area	0.00	0.00	0.00	0.00
Sub Total		114.61	6.40	73.83	34.38
Total		477.72	15.15	301.25	161.32

8. That, the major challenges for TPWODL are the existing network condition, length of the distribution lines, radial featured feeders, poor earthing, damaged/tilted poles, worn out conductors of O/H line, Poor conditions of Primary and distribution substations, frequent DT failure due to ageing, over loading etc.
9. That, considering the decision of board the DPR of CAPEX Plan for FY 23-24 is hereby proposed for an amount of Rs. 398.84 Cr.
10. That, as like of last two years, the petitioner proposes to invest its capital expenditure under five major heads in following manner:

SL. No.	Particulars	Amount in Cr.
1	Statutory, Safety & Security	34.12
2	Loss Reduction	60.00
3	Reliability	74.49
4	Load Growth	67.82
5	Technology adoption & infrastructure	162.41
TOTAL		398.84

11. That, the details of proposed investment under different categories and sub-categories are summarized below:

S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 23-24 (Rs. Cr)
1	Statutory, Safety and Security	i) Life enhancement of network and maintaining safe horizontal / vertical clearances	Intermediate Pole Increase of height for 11 kV and 33 kV sagging line.	2.00
			National Highway, SH & River Crossing with Guarding	1.99
			Replacement of Open Conductor with Covered Conductor inside forest city and high-density public area	5.03

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S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 23-24 (Rs. Cr)
		ii) Provision of Testing Equipment & PPEs to workforce	Testing equipment	1
			Safety Equipment (Discharge Rod, Man lifter, Neon Tester etc.)	2.79
		iii) Fencing, Boundary Wall and infrastructure works at primary & Distribution sub-station	Fencing of Distribution Substation	4.80
			Boundary wall of Primary Substation	10.00
			Gravel filling for Primary substation	1.61
			Access road for inside and outside PSS.	1.65
			Civil work for control room/other building in PSS- Repair	2.75
			provision for water supply for PSS/Offices (Watering for Earth pit)	0.50
Sub Total- Statutory, Safety and Security				34.12
2	Loss Reduction	i) Energy Audit & Meter related activity	LT DB installation on Existing Pole	14.54
			Installation of Metering Unit, Meters and Modems at PSS Boundary Points	2.50
			DTR Smart Metering above 100 KVA above up to 250 kVA	10.00
			Installation of CT, PT, Meters & Modems for High value Industrial Consumers	1.00
		ii) Replacement of LT Bare conductor with AB cable	Replacement of LT Bare conductor with AB cable	31.96
Sub Total-Loss Reduction				60.00
3	Reliability	i) Replacement/Addition of network component in 33/11KV Primary Substation.	Refurbishment work in PSS (Structure Replacement / Yard Refurbishment)	1.96
			Replacement/ Segregation of Old 11 kv breaker/ Group Breaker with new (O/D CT-) (including civil & control cable)	4.01
			Replacement/ Segregation of Old 33 kv breaker/ Group Breaker with new (O/D CT-) (including civil & control cable)	2.21
			Replacement of Defective Relay	1
			Replacement of Indoor switchgear Protection Panel along with associated equipment	2.00
			Replacement of Sub station Transformer -33/0.4KV 100KVA Trf.	0.49

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S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 23-24 (Rs. Cr)
			Replacement of Battery & Battery Charger	1.21
			Implementation of Automation/Scada	13.50
			Roof top for Office/ Building lighting	1.50
			High Mast/Lighting arrangement for PSS/Store	0.50
		ii) Replacement/Addition of network component in 33KV & 11KV Line.	Refurbishment/Augmentation of old 11KV line along	17.01
			Refurbishment/Augmentation of old 33KV line	6.02
			Installation of 11KV & 33 KV FPI	0.98
			Installation of 11KV & 33 KV AB switches, Isolator & RMU	5.00
			Tower Replacement	0.98
			Railway X-ing using U/G Cable	1.03
			33KV & 11kV Auto Recloser & Sectionalizer/AVR/Capacitor Bank/ Voltage improvement equipment	5.06
		iii) Replacement/ Addition of network component in Distribution Substation.	Refurbishment of above 100 KVA DTR along with LT Protection, Earthing etc. (Other than Augmentation)	10.03
Sub Total-Reliability				74.49
4	Load Growth	i) Network enhancement / Unforeseen emergency.	Construction of 33 KV New/Link Line	8.87
			Construction of 11KV New/ Link Line	8.16
			Construction of new PSS/Renovation of Aged PSS.	18.00
			Addition/Augmentation of PTR of various ratings	3.87
			Addition/Augmentation of DTR of various ratings	19.93
			Addition of New LT ABC Network	8.99
Sub Total- Load Growth				67.82
5 A	IT Infrastructure	i) Technology Intervention-IT & Technology.	Disaster Recovery Center - HW & SW	20.15
			DC Hardware	11.04
			DC Software & Licences	4.75
			Front End Devices and End user	12.18
			Locational Network	5.02
			DR Setup for Other DISCOMs	18.35
			Digitization of legacy documents	6.21
SubTotal- IT Infrastructure				77.70
5 B	OT Infrastructure	ii) Technology Intervention- GIS, Communication & Others Implementation.	Implementation of GIS	38.60
			Communication Infrastructure	11.00
			Smart meter Backend Infra	11.81
			Procurement of Drones	0.80

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 18/05/2023
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S. No	Major Category	Activity	Works to be covered	Proposed Capex FY 23-24 (Rs. Cr)
	Sub Total- OT Infrastructure			62.21
5C	Civil, Admin and Other Infrastructure	iii) Improvement of Civil Infrastructure	New wash room	2.00
			Additional Material Storage area	2.00
			New store building	0.60
			New Scrap Yard, Pole Storage location	0.30
			New Building for Division/ Subdivision/Section/Commercial Office.	7.00
			Refurbishment of old building for office at various location	3.00
			Infrastructure for fuse call center	0.75
		iv) store infrastructure	store infrastructure, Security System and fire Hydrant System in Store	4.35
		v) Ready to Use assets for Offices	Purchase of EV Vehicles & other vehicles for employees	1.00
			Ready to Use assets for Offices	1.50
	Sub Total- Civil & Admin Infrastructure			22.50
	Sub Total-Technology & Infrastructure			162.41
	Grand Total			398.84

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12. That, in addition to above, Hon'ble Commission has provided certain directions vide para no. 66 & 67 of the CAPEX order dated 08.07.2022 for FY 22-23, regarding submission of Revised CAPEX DPR for future period. In compliance to the said directions, the applicant has covered all such aspects while preparing the Detailed Project Report (DPR) for FY 2023-24.

However, considering the field conditions and available information, one of the prescribed formats (i.e. Annexure-1) of Hon'ble Commission has been suitably amended, which may kindly be considered.

13. That, all the expenditures are estimated based on comprehensive field studies, which may vary on actual.

PART OF AFFIDAVIT
R. B. Das
NOTARY 18/05/2023
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Prayer

In view of the above and pursuant to the direction of Honb'le Commission vide suo motu proceeding in case no 82/2020 dated 28.12.2020, para 39, TPWODL is hereby submitting the Revised CAPEX Plan FY 23-24 and prayed as follows to:

- Admit the Revised CAPEX Plan for FY 2023-24.
- Approve the Revised CAPEX plan to the extent of Rs.398.84 Crs excluding IDC and employee cost capitalization.
- It is submitted that these expenses are estimated based on comprehensive field visit by the team across the utility area and may vary on actual.
- Grant any other relief as deemed fit & proper in the facts and circumstances of this submission.

Place: Sambalpur

Date: 18/05/23

Kehirod Ch. Nanda.

Applicant

For & On Behalf of TPWODL

PART OF AFFIDAVIT
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