

TPCODL T&P Requirement				
SI No	Tool Description	Recommendation as per Discussion of 4 DISCOMs		Remarks
		For Line Maintenance & common breakdown Vehicle	For PSS Maintenance Vehicle	
		Qty (Per- Vehicle)	Qty (Per- Vehicle)	
1	Hacksaw Frame with blades	1	1	
2	Hammer with fibre handle	1	1	
3	D-Spanner set - 6 -32 mm (Taparia)	1	1	Double insulated
4	Ring spanner set - 6 -32 mm (Taparia)	1	1	Double insulated
5	Box spanner set - 6-32 (Taparia)	1	1	Double insulated
6	Flat File 12" & 8 "	1	1	
7	Round File 3/6 x 12"	1	1	Tringular small file to
8	Electrical certified safety shoes with double density PU sole with composite toe cap. (EN +ISI Mark on shoes). IS 15298 Part 2. Acme/Bata/Tata International/HighLife, Liberty	For all employees	For all employees	
9	HDPE Safety helmet with chin strap and ratchet type for adjustment. (E class-Electrical grade Safety Helmet). IS2925, EN397. Udyogi, Joseph & Lesli,PERF,MSA	For all employees	For all employees	
10	Full body harness non padded (Safety belt with Double Lanyard with Shock-Absorber & Pole Grab Arrestor) and adjustable Work positioning belt. IS3531-2021, EN358, EN361,Class-P . Udyogi, Karam, Abrigo, MSA	1 for line man	1 for line man	
11	33kV Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. (EN +ISI Mark on gloves)Class-04 with swet absorbing cotton gloves. IS13774-2021, Make-Jayco, Raychem, Abrigo,MN rubber	1	1	
12	Screw driver Set - Stanley/Taparia Make	1	2	Double insulated
13	Insulated plier - Stanley/Taparia Make	1	2	Double insulated
14	Cold Chisel	1	1	flat
15	Double Test Lamp with Guard. Standard bulb casing with probe.	0	1	
16	Discharge rod up to 9metre long with mininum 16 SQMM cable with length of 15 Mtr Insulated copper wire.	6	6	For more requiredm
17	Tommy bar (1 meter length)	1	1	
18	Long Nose plier (125mm) - Stanley/Taparia Make	1	1	Double insulated
19	Adjustable Wrench - Stanley/Taparia Make	1	1	Double insulated
20	Lock (clips) plier 6" - Stanley/Taparia Make	1	1	Double insulated
21	Measuring tape (30 meter)	1	1	
22	Allen key set (4 to 12 mm) - Stanley/Taparia Make	1	1	Double insulated
23	Hot blower - Bosch - Working temperature: 60 – 550°C °C ; Airflow: 350 – 550 l/min, 1800w input power.	0	1	
24	Binocular - Maximum Magnification : 8 times, Optical Zoom : 10X, Lens Type : Objective, Special Feature : Anti Reflective - Nikon 8246.	0	0	TPCODL doesn't require it as it has been procured in capex
25	Pressure torque wrench (manual)-Taparia	0	1	
26	Vacuum Cleaner	0	1	
27	Bolt Cutter (for conductors upto 232 sq. mm.)	1	1	
28	Torch/Emergency lights-Re-Chargeable Torch (Philips Blaze Multi-functional Long Range Rechargeable Emergency Light)	2	1	500watt
29	Neon Tester for 11-33 KV - with FRP Rod up to 9m long. Make -Taurus, HVTI, Motwani	1	1	
30	Manual Telescopic Tree pruner - Stihl Make or Equivalent - reach 25 ft.	2	0	
31	Telescopic Chainsaw tree pruner(Petrol Powered/ battery powerd) - Stihl Make or Equivalent	1	0	
32	Manual cutter katuri with insulated handle.	2	0	
33	Manual Crimping Tool - for small lugs	0	1	
34	Air Blower	0	1	
35	Portable Discharge Rod (set)	0	1	Repeated SI. No.13
36	Monkey Plier	1	1	Double insulated
37	Wire Stripper	0	1	Double insulated
38	RCCB/ELCB Mounted Extension Board (Capacity - 63 A, Industrial Plug Type) with 30 mA mandatory. MCCB & 25 mts of extension flexible wire	0	1	
39	Road safety Traffic Cone with reflective sticker. (760mm height)	4	4	
40	Insulated Screwdriver Set - Stanley/Taparia Make (Diff. sizes)	1	1	
41	Oil Gun / Can	0	1	
42	Pipe Wrench (TAPARIA)	1	1	Double insulated
43	Liquid Level Indicator (0.5 mtr.)	0	1	
44	FRP ladder with Temporary set up with life (14MTR)	1	1	3 fold
45	Baricading Tape 40m	1	1	
46	First Aid Kit (Along with Medicine) FA box as per factories/BOCW act for 25 person. Make Thadani or equivalent.	1	1	
47	IBELL HL8245S Super Bright Headlamp Torch with Headband, Long Range Rechargeable LED Flashlight	2	1	

48	Angle Grinder Machine (Bosch GWS 26-180 H Professional Angle Grinder 180 mm, 2600 W)	1 Per Divison		
49	Drill machine battery powered with Bit for both Metal and brick wall (BOSCH)	1 Per Divison		Magnetic base with battery operated
50	Come Along Clamp for Dog, Coyote & Panther Conductor	1 Per Divison		
51	Rodometer (Stanley 1-77-174 12" 1000M measuring wheel)	1 Per Divison		
52	Poly propylene rope 24 MM	30 Mtr per Divison		
53	Poly propylene rope 16 MM	20 Mtr per Divison		
54	Trifor 5 Ton	1 Per Divison		
55	Come Along Clamp for Dog, Coyote & Panther Conductor	1 Per Divison		
56	Hydrolic Crimping machine with all dies suitable for jointing Dog, Coyote & Panther Conductor.	1 Per Divison		
57	Chain Pully Block for Dog, Coyote & Panther conductor Stringing (5 TON)	1 Per Divison		
58	Chain Pully Block for Dog, Coyote & Panther conductor Stringing (3 TON)	1 Per Divison		
59	IR tester 10 KV	0		TPCODL doesn't require it as it has been procured in capex
60	VRD Welding Machine with all accessories and electrodes "as per requirement" - Certified 4G welder. Welding PPE's (FR Apron, Neck Hood, Hand Sleeve, Shoe Guard, Nose Mask & leather 14" hand Gloves, wlding helmet Dark glass with Face Shiled, etc.)	1 Per Cluster		
61	Gas Cutting Set (Oxygen with DA, Cylinder, Gas Cutting trolley, Fire Extinguisher, Hose 7 Mtr. With color coding, flashback arrestor with both hand, Dual Pipe Torch) with With flash back arrestor at regulator and torch side.	1 Per Cluster		
62	Portable DG Set 2KVA	1 Per Cluster		
63	Battery Operated Rachet Set	1 Per Cluster		
64	Spade	1 Per Divison		
65	Gaitti insulated handle	1 Per Divison		
66	Cotton waste for cleaning	Lot in Cluster		
67	Spray Painting Machine with Compressor	1 Per Cluster		
68	Multimeter (Digital)	0		TPCODL doesn't require it as it has been procured in capex
69	Portable battery charger (Unit) One per division	0		TPCODL doesn't require it as it has been procured in capex
70	Mechanised or Telescopic Electrical tree pruner	1 Per Divison		
71	Manual Telescopic Tree pruner - reach 25 ft.	1 No./ Vehicle	0	repeated SI no. 27 & 28
72	Twin Leg Tool Lanyard - 25 lbs.	2		
73	Motorised oil pump	0	1 per cluster	
74	Hand operated oil pump	0	1 per cluster	
75	wearable induction voltage detector (at wrist or helmet). Make Honeywell model HHVSB11 , JARSH model smartvolt, HVTI	Per line man	Per line man	
76	Non contact type LT line tester. Make Fluke, Silicon waves.		Per line man	
77	Panel cutter	0	1 per cluster	
78	Portable Self Locaking Discharge Clamp Set (as per TPNODL Specifications) (One Insulated Telescopic Rod + Three Discharge Clamps + Three nos. of C-clamp + Three Spike Rods + 1 connecting rod + 16.sq. mm. Insulated Cable - 15mts.)	0	0	
79	Insulated Crow Bar	0	0	
80	Cut resistance / abrasion /PU coated Cotton hand gloves is required everytime while working for every one. IS-6694. Make Action, Udyogi, Frontier, Leslico, abrigo	1 per person	1 per person	
81	Raincoat 1 No's per employee. Make Make- Duckback, KC pul, Zeel, wild craft	1 per person	1 per person	
82	FR (Fire-Resistance 8CAL/cm square) jacket for chest protection - FR jacket to be of Full Sleeves and 100 % cotton material. The reflective tapes to be added/stitched to the FR Jacket. Colour Orange-Lineman, IS-15742. Utkal Industrial & Safety Product, Tara Lohia, APS Industrial Solution, Udyogi where fabric from Arvind Mills, Grasim, Moffatlal, Viman, Raymond or Siyaram	1 Per Line man (Skilled) Person	1 Per Line man (Skilled) Person	
83	High visibility Cotton bledned T-shirt with Reflective stips for all employees.	1 per person	1 per person	
For safe Conductor Stringing (learning from LWDC) - Suggested Additional tools and tackles				
80	Pulley for arrangement of stringing activities of lifting of tools (spanner, sling, pulley, ropes etc.) - SWL 1T	1 Per Divison		
81	SWL of swivel joint – 3 T	1 Per Divison		
82	Sock single end SWL- 3T as per DOG, Rabbit, Panther conductor	1 Per Divison		
83	Automatic clamp with arrangement of remove from ground level by rope	1 Per Divison		
84	Hydraulic conductor cutter	1 Per Divison		
85	Single roller SWL 3T or Twin roller	1 Per Divison		
86	Open pulley SWL- 3T	1 Per Divison		

87	D-shackle SWL-3T, 5T	Per Each Item Per Division	
88	Dynamometer 0 to 5T minimum	1 Per Divison	
89	Sling lenth 2 Mtr SWL- 3T and more SWL for	2 Per Divison	
90	Turn table SWL 10T max.	1 Per Divison	

PSS

SL NO	PPEs Decription	Recommendation as per Discussion of 4 DISCOMs	Remarks	
1	Electrical certified safety shoes with double dencity PU sole with composite toe cap. (EN +ISI Mark on shoes). IS 15298 Part 2. Make Acme/Bata/Tata International/HighLife, Liberty	Per Person		
2	HDPE Safety helmet with chin strap and ratchet type for adjustment. (E class-Electrical grade Safety Helmet). IS2925, EN397. Udyogi, Joseph & Lesli,PERF,MSA	Per Person		
3	FR (Fire-Resistance 8CAL/cm square) jacket for chest protection - FR jacket to be of Full Sleeves and 100 % cotton material. The reflective tapes to be added/stitched to the FR Jacket. Colour Orange-Lineman, IS-15742. Utkal Industrial & Safety Product, Tara Lohia, APS Industrial Solution, Udyogi where fabric from Arvind Mills, Grasim, Moffatall, Viman, Raymond or Siyaram	1 Per Line man (Skilled) Person		
4	High visibility Cotton bledned T-shirt with Reflective stips for all employees.	Per Person		
5	Raincoat 1 No's per employee. Make Make- Duckback, KC pul, Zeel, wild craft	2 Nos.	For MOC - 2 no. will be required per MOC	
7	Safety Gum Boots withcomposite Toe cap (14 Inch)To be provided as per foot size. IS-5557. Bata, Udyogi, ACME	2 Nos.	Per PSS	
S. NO.	Tools Decription	Recommendation as per Discussion of 4 DISCOMs	Remarks	
	33kV Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual. (EN +ISI Mark on gloves)Class-04 with swet absorbing cotton gloves. IS13774-2021, ,Jayco, Raychem, Abrigo,MN rubber	2 Sets	Per PSS	
	500V Electrical Safety Gloves – Composite type Soft electrical gloves as per size of individual . (EN +ISI Mark on gloves)Class-02with swet . ,Jayco, Raychem, Abrigo,MN rubber.absorbing.IS13774-2021, cotton gloves.	2 Sets	Per PSS	
3	Cut resistance / abrasion /PU coated Cotton hand gloves is required everytime while working for every one. IS-6694. Make Action, Udyogi, Frontier, Leslico, abrigo	1 per person		
	Torch/Emergency lights-Re-Chargeable Torch (Philips Blaze Multi-functional Long Range Rechargable Emergency Light) Per PSS	1 No.	Per PSS	
	Full face visor with safety helmet ((1 No's Per PSS)	NA		
	One set of Screw driver(Taparia 840 combination screw driver set(pack of 6) in each PSS	1 Set		
	Insulated combination plier- 1 no each PSS	1 Set	Double Insulated	
	Adjustable Spanners 6" and 10" – 01 No,	1 Set	Double Insulated	
	Painting Brush 4" and 2" – 01 No,	1 Set		
	Old dhoti full size – 24 No, (2 per month)	1 Set		
	Discharge Rod	3 no.	There will be discharge rods provided by TPCODL. Additionally BA has to supply 3 nos.	
	Neon Tester for 11-33 KV - with FRP Rod	0	provided by TPCODL	
	One first aid box per PSS	0		
	Polka Dotted / PU coated gloves	1 per person		
15	Multimeter (Digital) reputedated make cum Tonge Tester per PSS	1 No.		

No of Formats required to be part of tender

- Scope of Work (Detailed SOW, SLA, Other terms & Conditions)
- Asset Details - Nos of PSS, No, of Feeders, Nos of Transformers, SQ KM, CKM,)
- Tools & Tackles
- Specification of Important Items