The Tata Power Company Ltd		*CORRIGENDUM TO OPEN TENDER NOTIFICATION*
Tender Reference: ***4100064234***		Document Date: **02nd June 2026**

Corrigendum - 1

Tender Ref No: 4100064234 - OLA for Operation and maintenance of EV public charging - PAN India for 5 Years

The Tata Power Company Ltd		*CORRIGENDUM TO OPEN TENDER NOTIFICATION*
Tender Reference: ***4100064234***		Document Date: **02nd June 2026**

Contents of this documents are as follows:

1) Revision in Contract Performance Guarantee Clause.
2) Revision in EMD
3) Revised Bid Submission Date
4) Reply to Prebid Queries
5) Revised Price Bid

PART 1 - Additional Documents for Operation and maintenance of EV public charging - PAN India.

PART 2 - Additional Scope of work - Facility Management Services.

1) Revision in Contract Performance Guarantee Clause

Contract performance Guarantee Clause is being revised as follows:

Original Clause	Revised Clause
This is further to General Terms & Conditions – Supply Clause 7.7 Vendor shall submit irrevocable and unconditional Contract Performance Bank Guarantee (CPBG) for a value equal to 10% of the contract value, within 15 days from the receipt of contract valid till the Warranty Period with a further claim period of 6 months.	This is further to General Terms & Conditions – Supply Clause 7.7 Vendor shall submit irrevocable and unconditional Contract Performance Bank Guarantee (CPBG) for a value equal to 5% of the contract value, within 15 days from the receipt of contract, valid till the expiry of OLA with a further claim period of 6 months.

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2) Revision in EMD

Original EMD Amount	Revised EMD Amount
INR 6,69,500 (Rupees Six Lakh Sixty-Nine Thousand Five Hundred only)	**INR 2,00,000** (Rupees Two Lakh only)

3) Revised Bid Submission Date

Original Bid Submission Date	Revised Bid Submission Date
29.05.2026 [05.00 PM Hrs.]	12.06.2026 [05.00 PM Hrs.]

4) Reply to Prebid Queries:

Sr. No.	Detailed Reference to concerned Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	Tata Power Response
1	**2**	**3**	**4**	**5**
1	EMD Amount	INR 6,69,500	Request to revise EMD amount to 2% of the Tender value	Refer Corrigendum -1 revised EMD amount.
2	13-54	BOQ	Excel file of BOQ required to workout for finalising the BOQ.	For the BOQ, please refer to Annexure 1 (Schedule of Items). The BOQ Excel sheet is available on the Ariba Portal

3	56	Scope of work	Only PAN India, Can we focus on Particular states.	Bidders are expected to quote the prices for complete BoQ. Tata Power reserves the rights to split the order quantity Region / State wise.
4	13-54	BOQ	The BOQ for 5 years?, currently the material and labour cost increasing day by day. If its happened - how can we revise the BOQ.	As this is a firm contract, bidders are requested to submit their bids considering long-term alignment and sustainability.
5	13-54	Billing cycle	The billing cycle of the projects, any retention for each bills?	Successful bidders are required to submit a CPBG as explained above in Corrigendum. In case of bidder failing to submit CPBG, then deduction shall be done in the running invoices until the equivalent value of CPBG before making any payment. this retention amount shall be released either upon CPBG submission or the after expiry of contract with the approval of order manager. Response 9 as – bidders shall refer to revised price bid format attached to this corrigendum.

6	16	BOQ	How many visit required for 1 site- Invoicing against per visit? any check list for the same ?	The work execution shall be undertaken as per the guidance of the TPEVCSL Project Manager. The BOQ and scope of work will be finalized accordingly, and billing shall be processed based on the final executed BOQ.
7	Page 14. Line Item 2	Complete O & M Services and Health Checking of Charger, LT line , HT line, Power Infra ,MCC panel, Metering Cublicle, RMU,VCB, Branding work	Frequency of Preventative Maintenance for each site. Monthly, Bi monthly or Quarterly.	The work shall be executed under the guidance of the TPEVCSL Project Manager and in accordance with the finalized scope of work.
8	Page 14. Line-Item 1	Site survey for EV Charger & Power feasibility, charger-related works, onboarding support, and other associated tasks.	How to justify cost of a site 5 or 10 km from the city to a site 40 or 50 km from city. Kindly change the UOM from KM. to EA and divide in ranges like 0-50KM, 51-100Km, Above 100KM for better serving the company. Also, as any 1 vendor can not have office in every city of the mapped circle it should be measured from the vendor's city only. The city list has also not been provided to us	Bidders shall quote the rate per kilometre for travelling charges under this line item. The quoted rate shall be inclusive of all costs such as fuel, driver charges, vehicle maintenance, tolls, and other incidental expenses. No separate claims other than the quoted rate shall be entertained. Payment shall be processed based on actual distance travelled **(one-way basis)** and duly certified by the TPEVCSL Project Manager

9	General Terms and Conditions- Service. Page 4. Section 8.1	The Contract Price shall be a firm & fixed Contract Value for the Work inclusive of all the taxes, levies & duties and shall remain firm till the validity of this contract.	Request for adding a clause for incremental increase in rate every year as 5 years is a long time to calculate and forward plan the rates of any commodity. A fixed percentage can be increased every year or every 2 years to compensate for market changes and inflation.	As this is a firm contract, bidders are requested to submit their bids considering long-term alignment and sustainability.
10	Page 11	7.7 Contract Performance Bank Guarantee (CPBG) Vendor shall submit irrevocable and unconditional Contract Performance Bank Guarantee (CPBG) for a value equal to 10% of the contract value, within 15 days from the receipt of contract valid till the Warranty Period with a further claim period of 6 months.	Seeking 10% CPBG, for a 5-year long contract with no guarantee of fixed work or amount is too high and would sweep out all of our margins. Kindly revise it.	Please refer corrigendum 1 for revised CPBG clause

11	Page 75 3.0 WARRANTY:	Any damage during warranty period shall be corrected at no extra cost. Non-standard work & quality related issues shall be corrected at no extra cost within timeline mentioned in SLA.	Damage done due to external factors like weather, manhandling, accidents or any damage not due to manufacturing defects shall not be considered for free of charge repair.	Material warranty shall be applicable as per the finalized scope of work.
12			Whether tender will be done zone - wise basis or PAN India. If tender is done zone wise then how commercial evaluation will be done - zone wise or PAN India Basis	Bidders are expected to quote the prices for complete BoQ. Tata Power reserves the rights to split the order quantity Region / State wise.
13			what will be zone wise quantities	Bidders are expected to quote the prices for complete BoQ. Tata Power reserves the rights to split the order quantity Region / State wise.

5) <u>Revised Price Bid:</u>

RFQ No. 4100064234				
OLA for Operation & Maintenance of EV Public Charging works across Pan India for 5 Years				
Year-on-Year (YoY) Escalation =				
SERVICES WORKS				

Sl No	Type	Type of Works	SAP Description	Brief Description	UoM	Per year estimated Quantity	Basic Unit Rate Rs. (1st year)	Total Price Rs.
1	SURVEY for O & M Activity	SERVICES	Site survey for EV Charger & Power feasibility ,charger-related works, onboarding support, and other associated tasks.	Site survey for EV Charger O&M activities, new installations, and power feasibility assessment for capacities ranging from 1 kW to 1000 kW. The site visit charges shall be calculated based on kilometers (KM) measured from the nearest city (the list is attached along with the Scope of Work). All findings during the site survey shall be properly documented and submitted to the Project Manager strictly as per the reporting format provided by TPEVCSL. The report should include all relevant drawings, photographs, technical observations, and recommendations.	KM	2400		0
2	O & M Services Works	SERVICES	Complete O & M Services and Health Checking of Charger , LT line , HT line, Power Infra ,MCC panel,Metering Cublicle,RMU,VCB , Branding work	Complete Operation & Maintenance (O&M) Services and health checking of EV Charging Infrastructure, including EV Chargers, LT Line, HT Line, Power Infrastructure, MCC Panel, Energy Metering System, Metering Cublicle,RMU,VCB, and Site Branding works, ensuring smooth operation, preventive and corrective maintenance, fault rectification, safety compliance, and overall system reliability. All findings shall be documented and submitted to the Project Manager strictly as per the reporting format provided by TPEVCSL, including relevant drawings, photographs, technical observations, and recommendations.Any additional O&M-related works, even if not explicitly mentioned in this scope but required as per site conditions, shall also be carried out accordingly.	EA	160		0

3	O & M Services Works of Transformer	SERVICES	Transformer Fault Diagnosis, Routine Maintenance, and Fault Rectification Works	Transformer Fault Diagnosis, Routine Maintenance, and Fault Rectification Works. All findings shall be documented and submitted to the Project Manager strictly as per the reporting format provided by TPEVCSL, including relevant drawings, photographs, technical observations, and recommendations	EA	12		0

4	Dismantla ling-Charger	SERVICES	Charger Dismantaled complete works including Panel,Cable,Mete r and others etc. (All type AC Type charger up to 10 etc.KW)	Charger Dismantaled complete works including Panel,cable,metering Box and others etc. as per TPEVCSL scope of works and project Manager Approval(All type AC Type charger up to 10 etc.KW) and depositing the dismantled materials to the respective stores Like : LP/TML and others location and submit the Dismantled Check list as per TPEVCSL project Manager Instruction	EA	12		0

5	Dismantling-Charger	SERVICES	Charger Dismantaled complete works including Panel,Cable,Meter and others etc.(All type240, 120,60,25,30,15 kw etc.)	Charger Dismantaled complete works including Panel ,cable,metering Box and others etc. as per TPEVCSL scope of works and project Manager Approval (All type 240,120.60,25,30,15,11 kw etc.) and depositing the dismantled materials to the respective stores Like : LP/TML and others location and submit the Dismantled Check list as per TPEVCSL project Manager Instruction	EA	12		0
6	Dismantling-Branding	SERVICES	Dismantaling of Branding/Backdrop complete works Backdrp/Canopy, Bollards,Instruction board,Stopper etc.	Dismantaling of Branding complete works Backdrop,Canopy,Charger Shed,Bollards,Instruction board,Stopper etc. . as per TPEVCSL scope of works and project Manager Approval and depositing the dismantled materials to the respective stores Like : LP/TML and others location and submit the Dismantled Check list as per TPEVCSL project Manager Instruction	EA	12		0

7	Cleaning the Charger & associate Equipments	SERVICES	Site visit for inspection and cleaning of the EV Charger and associated infrastructure including Charger unit, Canopy, Backdrop/Branding, Stand, Charger Cable & Gun, MCC Enclosure,Fire Extingusher, Meter Box, LTDB, Shed, and the surrounding area of the charger installation site. The work shall include proper cleaning of all equipment and the nearby area to ensure safe and proper operation.	Scope of Work – Site Inspection & Cleaning Site visit for inspection and cleaning of the EV Charger and associated infrastructure, including the charger unit, canopy, backdrop/branding, charger stand, charger cable & gun, MCC enclosure, fire extinguisher, sand buckets, meter box, LTDB, shed, and the surrounding charger installation area. The work shall include proper cleaning of all equipment and nearby areas to ensure safe operation and proper housekeeping. Cleaning activities shall also include clearing grass, shrubs, and weeds around the transformer base and fencing to prevent hazards and ensure proper air circulation. Removal of debris, trash, and foreign materials shall be carried out in and around the transformer area, charger installation zone, switchyard, RMU, and along HT/LT lines. All cleaning and inspection work shall be carried out in compliance with required safety precautions and standard safety protocols while working near electrical and high-voltage equipment. After completion of the inspection and cleaning activities, the site checklist shall be duly filled and submitted after verification by the Project Manager. All activities shall be performed in accordance with the TPEVCSL-approved GTP and the guidelines/instructions provided by the TPEVCSL Project Manager.	EA	320		0

8	Consultancy charges	SERVICES	Consultancy charges	DISCOM Office Visit Charges for Power Connection Infrastructure Support Charges for DISCOM office visits and coordination related to power connection infrastructure, including follow-up for approvals, documentation submission, inspection coordination, and other related activities as per DISCOM procedures and TPEVCSL project requirements.	EA	100		0
9	Hydra	SERVICES	Hiring Hydra/Crane	Hiring Hydra/Crane/forklift/dumper etc. as per the site requirements (1 No= 8 hours)-up to 10 TON	EA	24		0
10	Logistics	SERVICES	FRT CHTR DIS KM 407/EQ	Freight charges for transporation of goods point to point door pick-up and door delivery service without transhipment using chartered vehicle - all distances for 407 / equivalent vehicle	KM	410		0
11	Fire Extingusher	SERVICES	ELEC,AMC of fire extinguishers	Testing, refilling of fire extinguishers as when required to maintained safety guidelines	EA	44		0
13	Soil excavation	SERVICES	S & I of Soil excavation by digging of burried trench	Soil excavation by digging of burried trench depth of (3 feet)proper dimension maintaining statutory depth from the /by cutting of metalled road/cement concrete/brick soiling etc , in trench, cable bonding & earthing, providing adequate brick & sand protection to the laid cable, backfilling of earth, compaction, levelling i.e **re-instatement of the same.** The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M	2000		0

14	CHARGER INSTALLTION	SERVICES	Erection and providing supoorts for testing, and commissioning of chargers with capacities of (3.3 KW to 30 KW),	Loading, unloading, erection, testing, and commissioning of different types of chargers on plinth and stand mounting arrangements, including arrangements forklift machine, as well as the supply and erection of HILTI make anchoring nut bolts with all required accessories (3.3 KW to 30 KW), as per the scope of work, approved drawings, specifications, and guidelines provided by the TPEVCSL Project Manager.	EA	40		0
15	CHARGER INSTALLTION	SERVICES	Erection and providing supoorts for testing, and commissioning of chargers with capacities of (60 KW to 240 KW),	Loading, unloading, erection, testing, and commissioning of different types of chargers on plinth and stand mounting arrangements, including arrangements for cranes and lifting machines/forklift machine,as well as the supply and erection of HILTI make anchoring nut bolts with all required accessories (60 KW to 240 KW), as per the scope of work, approved drawings, specifications, and guidelines provided by the TPEVCSL Project Manager.	EA	40		0
16	Manpower Cost	SERVICES	manpower for Technician	Electrician ,Electrical Technician Helper / Skilled/Semi-skilled labour Supervisor Service Charges – Per Day The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	No	300		0
17	Manpower Cost	SERVICES	manpower for Helper	Labour / Helper / Mason – Per Day The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	No	500		0
BRANDING SUPPLY & SERVICES WORKS								

19	MS Structure For Transformer DP/Canopy/Fencing	Branding Supply & Services	S & I of Steel Structure Complete Works	Supply, fabrication, erection, testing, and installation of different design canopies, backdrops, tensile car parking shade, instruction board, sign board, totem, and Dos & Don'ts boards, made of pre-fabricated steel items, including all types of MS frames, pipes, and charger tensile structure: 150 mm dia, 3 mm thickness; 75 mm dia, 2 mm thickness; 50 mm dia, GI wire mesh for fencing, 2 mm thickness; MS channels (100x50x6), (75x40x6); MS angles (65x65x6), (50x50x6); MS flats (50x6), (25x3); and galvanized sheets of specified sizes as required. Includes supply and erection of galvanized nuts, bolts, washers, anchor nut bolts, and all necessary fixing arrangements for canopy,backdrop,Fencing works ,Instruction Board, Charger Shed,Sign Board etc. installation on concrete floor. Work includes complete welding and painting with one coat of red oxide primer and two coats of PU/Deco paint (Make: Jotun, Asian Paints). The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	KG	310		0
20	Galvalume Sheet	Branding Supply & Services	P&F of Precoated Galvalume Sheet (0.50 mm TCT) Providing and fixing of precoated Galvalume sheets (0.50 mm TCT) with minimum yield strength of	P&F of Precoated Galvalume Sheet (0.50 mm TCT) Providing and fixing of precoated Galvalume sheets (0.50 mm TCT) with minimum yield strength of 550 N/mm², of approved make and colour, for roofing, cladding, and shades. The scope includes supply and installation with all necessary accessories such as self-tapping screws (Buildex make), colour-matching screw caps, butyl tape, foam fillers, sealants, etc. The cost shall also include provision of manlifter/steel scaffolding as required for safe erection.	M2	110		0

			550 N/mm², of approved make and colour, for roofing, cladding, and shades.	Complete in all respects as per site requirements and instructions of the TPEVCSL Project Manager.Make-Tata / JSW.				
21	Small MCB Box	Branding Supply & Services	S & I of outdoor type MCB box	Supply, installation, and commissioning of an outdoor-mounted type MCB box made of MS sheet with PVC gland and IP65 protection (ISI marked), suitable for two MCBs (SP) and one timer. Make: Legrand, Havells, Polycab. The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	EA	20		0
22	LED light	Branding Supply & Services	S & I of 1 watt LED Moudule	Supply, installation, and commissioning of LED Moudule(1 watt) for all type company LOGO and letters .Philips & C& S Make	M	40		0
23	LED light	Branding Supply & Services	S & I of 18-22 watt LED Moudule	Supply, installation, and commissioning of LED Light(18-22 watt) Philips & C& S Make	No	40		0
24	Profile Light	Branding Supply & Services	S & I of Profile Lights	Supply, installation, and commissioning of Profile Light Philips & C& S Make	M	40		0
25	LeD strips	Branding Supply & Services	S & I of LED Strips with Driver	Supply, installation, and commissioning of LED strip with Driver Philips & C& S Make	M	40		0

26	Timer Relay	Branding Supply & Services	S&I Timer Relay for canopy lights operating system all lights	Supply & Erection, testing & commissioning of canopy/Backdrop lights operating system make: Work shall be carried out as per the guidelines of the TPEVCSL Project Manager.	EA	40		0
27	Wire	Branding Supply & Services	S & I , dressing & commissioning of 2 Core 2.5 sq mm insulated Copper Unarmoured wire	Supply, laying, and proper dressing of FRLS 1.1 kV multi-strand, 2 Core × 2.5 sq. mm insulated unarmoured copper cable, complete in all respects. The work shall be executed in accordance with TPEVCSL-approved drawings and specifications, under the supervision and guidance of the TPEVCSL Project Manager. Approved Cable Make: Polycab / KEC / KEI.	METER	320		0
28	Charger Skin Branding	Branding Supply & Services	Supply & Installation of Charegr Skin Branding works complete	Supply and installation of charger skin branding for all types of chargers (3.3 kW, 7.4 kW, 11 kW, 15 kW, 30 kW, 60 kW, 120 kW, 240 kW, etc.), complete in all respects. Work shall be carried out as per the guidelines of the TPEVCSL Project Manager.	M2	360		0
29	Parking Stopper	Branding Supply & Services	Supply, construction, erection, testing, installation of Parking Stopper	Supply & Installation of Polymerized Rubber Parking stopper: deep anchoring with SS bolt/screw. 1 Set (2 Nos.) of stopper for each parking lot; Black stopper with yellow reflective tape. Dimension- 600 mm (L) X 150mm (W) X100mm (H): Deep anchoring with SS bolt/screw. Refer standard Drawing.	Set	100		0
30	Instruction Board	Branding Supply & Services	Supply, construction, erection, testing, installation of Instruction Board	Supply, fabrication, erection, testing, installation of Instruction Board on wall/structure with weather proof adhesive or fixing by SS screw. Includes ACP sheet, Vinyl printing as per standard drawing. Scope also includes supply of Screw, nut/bolts, Silicon, Double side tape (3M), Bo stick for the construction of the sign board. Dimension	Set	50		0

31	Light	Branding Supply & Services	SITC of 20W LED batten light fitting complete.	Supply, installation, testing, and commissioning of 20 Watt batten type LED light fixture of approved make, complete with all accessories such as mounting hardware, connectors, internal wiring, and fixing arrangements. The work includes connection to the existing electrical circuit, making necessary terminations, testing for proper functioning, and commissioning, complete as directed by the Engineer-in-Charge.(Make-Crompton / Philips / Bajaj)	EA	40		0
32	Light	Branding Supply & Services	SITC of 80W LED flood light fitting complete.	Supply, installation, testing, and commissioning of 80W LED flood light fitting including fabrication and installation of MS mounting frame, fixing, wiring, connection, testing and commissioning, complete.,The work includes connection to the existing electrical circuit, making necessary terminations, testing for proper functioning, and commissioning, complete as directed by the Engineer-in-Charge.(Make:Crompton / Wipro / Havells / Philips)	EA	32		0
33	Parking painting	Branding Supply & Services	Supply, construction, erection, testing, installation of Parking Painting Green/Yellow/White	Supply & Services for painting work for Parking area with oil based paint suitable on concrete, paved block surface; Two coat paint to be done. Colour as per drawing.(Green/Yellow/White)	M2	1020		0
34	Light	Branding Supply & Services	SITC of 100W LED flood light fitting complete.	Supply, installation, testing, and commissioning of 100W LED flood light fitting including fabrication and installation of MS mounting frame, fixing, wiring, connection, testing & commissioning, complete.(Make:Crompton / Wipro / Havells / Philips)	EA	20		0
				CIVIL WORKS				

35	FOUNDATION	CIVIL WORKS	Construction of the charger and MCC panel etc. foundation and pedestal,plastering including supply and Erection of anchoring clamps,Painting and all accessories, completed	Design, engineering, and supply of labor, tools, plants, and materials, along with the construction of the charger and MCC Panel, LTDB , Metring Cubicle ,RMU, VCB,,instruction board, sign board, totem, Dos & Don'ts board etc. foundation and pedestal, (Easy Provision for Cable entry)including plastering, supply and erection of painting, and all accessories (M20 grade PCC), as per the technical specifications, approved drawings, and scope of work. The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M3	50		0
MATERIALS SUPPLY & DELIVERY								
36	Supply & Delivery of Paint	SUPPLY	Supply & Delivery of Paint Materials for EV Installation Works	Supply and delivery of various types of paints required for EV installation works, as per actual site requirements and approval of TPEVCSL Project Manager (billing shall be done on actual consumption basis). The scope includes supply of primer, thinner, enamel paint, synthetic paint, emulsion paint, road marking paint, oil-based paint suitable for concrete and paved block surfaces, red oxide primer, and other allied painting materials as required. Approved Makes: Jotun / Asian Paints / Berger or equivalent approved make.	Liter	1200		0
MATERIALS SUPPLY & SERVICES WORKS								
37	Caution Board	MATERIAL SUPPLY	Danger Board in yard.	Supply and installation of Danger Board with clamp in yard, printed in English & local language, as per DISCOM specifications, including fixing and all associated materials, complete in all respects. as per	No	70		0

		& SERVICES		DISCOM specifications and TPEVCSL Project Manager's instructions and guidelines.				
38	Transformer Earthing 40 M M GI pipe	MATERIAL SUPPLY & SERVICES	S&I of Earthing Pipe - 1NOs 40mm dia Chemical earthing complete for I/E)	Supply & Erection, testing and Commissioning of 1 NoS Pipe earthing by GI Pipe 40 mm Dia B Class 2.5 Mtr Long 2.9 mm thick type (GI pipe with Flat strips ,Guy wire (7/3.15)mm,GI wire -5 mm ,bolts , nuts and washers,with providing Bentonite compound powder, for complete earthing of Distribution Transformer Substations as per DISCCOM/TPC scope of works and TS.(Chemical earthing complete for I/E)	EA	40		0
39	Charger Earthing	MATERIAL SUPPLY & SERVICES	Supply, installation, testing, and commissioning of maintenance-free earth pit (N-E voltage < 5V).	Supply, installation, testing, and commissioning of maintenance-free earth pit (N-E voltage < 5V).Construction of Cu bonded earth stations as per IS 3043, using 50 mm, 3 m Cu bonded hollow pipe chemical earthing, with a civil chamber made of MS sheet and BFC material (02 bags per earthing), and 4 mm thick Cu bonded electrode with funnel, set with clamp for termination, and associated GI nuts, bolts, and washers. Includes the supply of JEF eco-friendly chemical, MS chamber cover with suitable earth pit, with the height positioned above ground level, and the erection and installation of earth grid with connections to various equipment, complete as per the scope of work.	EA	32		0

40	LTDB	MATERIAL SUPPLY & SERVICES	Supply, installation, testing, and commissioning of LT Distribution Box suitable for 63 kVA / 100 Kva	Supply, installation, testing, and commissioning of an outdoor mounting-type distribution box (for 63/100 kVA DTR), made of MS CRCA sheet (thickness not less than 1.6 mm) as per IS:513, equipped with 200A TP,50 kA isolator(make-Schneider/Semens), HRC fuse base and fuse unit (160A/200A), EC grade aluminum bus bar, separate neutral bus bar, etc. The enclosure shall be dust-, moisture-, and vermin-proof (rubber lining thickness: 4 mm), weatherproof with IP-33 protection as per IS:8623, and fitted with suitable bus bars, earthing bus, earthing terminals, and bus bars covered with R/Y/B colored heat-shrink sleeves. Additional features include box illumination, front door with proper locking arrangement, powder coating in Light Admiralty Grey (IS:5:1993, Color No. 697) after 7-tank phosphating process. Box size: 1000(L) × 1010(H) × 325(W) mm or as per DISCOM GTP. The scope includes lugs, mounting channel frame, internal wiring with FRLS cables, danger plate, double compression cable glands, proper numbering, back clamps, and all necessary hardware, as per DISCOM-approved GTP and demand note instructions.	EA	8		0

41	LTDB	MATERIAL SUPPLY & SERVICES	Supply, installation, testing, and commissioning of LT Distribution Box suitable for for a 200/250 KVA DTR	Supply, installation, testing, and commissioning of an outdoor mounting-type distribution box (for 200/250 kVA DTR), made of MS CRCA sheet (thickness not less than 1.6 mm) as per IS:513, equipped with 400A TP,50 kA isolator(make-Schneider/Semens) isolator, HRC fuse base and fuse unit (315A/400A), EC grade aluminum bus bar, separate neutral bus bar, etc. The enclosure shall be dust-, moisture-, and vermin-proof (rubber lining thickness: 4 mm), weatherproof with IP-33 protection as per IS:8623, and fitted with suitable bus bars, earthing bus, earthing terminals, and bus bars covered with R/Y/B colored heat-shrink sleeves. Additional features include box illumination, front door with proper locking arrangement, powder coating in Light Admiralty Grey (IS:5:1993, Color No. 697) after 7-tank phosphating process. Box size: 1000(L) × 1010(H) × 325(W) mm. The scope includes lugs, mounting channel frame, internal wiring with FRLS cables, danger plate, double compression cable glands, proper numbering, back clamps, and all necessary hardware, as per DISCOM-approved GTP and demand note instructions.	EA	10		0
42	Enclosure	MATERIAL SUPPLY & SERVICES	Supply & Erection, testing & commissioning 500 (L) × 350 (D) × 500 (H) mm.MS Enclosure	"Supply, erection, testing, and commissioning of an outdoor-mounted single-chamber box with canopy, suitable for wall or stand mounting, made of MS CRCA sheet (thickness not less than 1.6 mm) as per DISCOM specifications. The box shall be dust-, moisture-, and vermin-proof (with rubber lining of 4 mm thickness), and weatherproof with a protection degree of IP-33 as per IS:8623. Dimensions: 500 mm (L) × 350 mm (D) × 500 mm (H).includes lugs, mounting channel frame, internal wiring with FRLS cables, danger plate, double compression cable glands,	EA	12		0

				proper numbering, back clamps, and all necessary hardware, as per DISCOM-approved GTP and demand note instructions.				
43	MS CT-BOX	MATERIAL SUPPLY & SERVICES	Supply & Installation of MS CT-meter box (Double Chamber) L*W*D(600x300x 300 mm) as per Discom spec(Double Chaber)	Supply & Erection, testing & commissioning of Outdoor mounting type Metering box (Double chamber) made of MS sheet of thickness Not less than 1.6 mm CRCA sheet/DISCOM Spec, dust and moisture vermin(Thickness of Rubber Linimg -4 mm), weather proof with degree of protection(IP-33) as per IS 8623 .L*W*D(600x300x300) mm includes lugs, mounting channel frame, internal wiring with FRLS cables, danger plate, double compression cable glands, proper numbering, back clamps, and all necessary hardware, as per DISCOM-approved GTP and demand note instructions.	EA	13		0
44	Energy Meter	MATERIAL SUPPLY & SERVICES	Supplly & Installation Energy Meter 3Ph Whole current 10-60A, CMRI Compatible 0.5s Accuracy class	Supplly & Installation Energy Meter 3Ph Whole current 10-60A, CMRI Compatible 0.5s Accuracy class as per DISCOM approved GTP and make	No	16		0
45	Energy Meter	MATERIAL SUPPLY & SERVICES	Supply & Installation prodigy Energy Meter in build CT,	Supply and installation of Prodigy Energy Meter, 3 Phase, 4 Wire, 40–200 Amp, ISI marked, DLMS compliant, Class 1.0, with inbuilt LTCTs and GSM (GPRS enabled). Meter should be of Secure, Genus, or L&G .The work shall be completed as per DISCOM-approved	EA	30		0

			40-200A, CMRI Compatible 0.5s Accuracy class	make and model, TPEVCSL-approved GTP, and guidelines of the TPEVCSL Project Manager.				
46	Energy Meter	MATERIAL SUPPLY & SERVICES	S & I of 3 Phase 4 wire fully Static AMR Compatible Tri-vector Energy Meter, Accuracy Class 0.5S	Supply & Erection, testing & commissioning of 3-Phase, 4-Wire CT Operated (200/5 A)/(500/5 A)Fully Static AMR Compatible Tri-vector Energy Meter, Accuracy Class 0.5S ,The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	EA	8		0
47	Ring Type CT	MATERIAL SUPPLY & SERVICES	S & I of 3 Phase Resin Cast LTCT (200/5A)(Ring Type)	Supply & Erection, testing & commissioning of Resin Cast LTCT 200/5 A ,Class-1 (Ring Type),(1 Each=3Nos)The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.The LTCT meter shall be of Kapa Electricals ,Rishabh Instruments make or any other reputed make, subject to prior approval.	EA	35		0
48	Ring Type CT	MATERIAL SUPPLY & SERVICES	S & I of 3 Phase Resin Cast LTCT (500/5 A)(Ring Type)	Supply & Erection, testing & commissioning of Resin Cast LTCT 500/5 A,,Class-1 (Ring Type)(1 Each=3Nos) ,The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.The LTCT meter shall be of Kapa Electricals ,Rishabh Instruments make or any other reputed make, subject to prior approval.	EA	34		0
49	MCC Panel CT	MATERIAL SUPPLY & SERVICES	S & I of MCC Charger panel CT 1000 / 5 ,CLASS-1, ID 55	Supply & Erection, testing & commissioning of CT 1000/5 A,Class-1,(1 Each=3Nos)The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.The CT meter shall be of Kapa Electricals ,Rishabh Instruments make or any other reputed make, subject to prior approval.	EA	34		0

50	Transformer Metering CT	MATERIAL SUPPLY & SERVICES	S&I of Ring Type Current Transformers (CTs) suitable for metering/protection	Supply, erection, testing, and commissioning of Ring Type Current Transformers (CTs) suitable for metering/protection application, conforming to relevant IS/IEC standards, as per the following specifications:Technical Specifications: Ring CT – 50/5 A,Ratio: 50/5 A,Accuracy Class: 0.5S,Burden: 3.75 VA Ring CT – 75/5 A,Ratio: 75/5 A,Accuracy Class: 0.5S,Burden: 3.75 VA, Ring CT – 100/5 A,Ratio: 100/5 A,Accuracy Class: 0.5S,Burden: 3.75 VA, Type: Ring / Toroidal Type ,Application: Metering and/or protection as required	EA	32		0
51	HRC Fuse bsae & Link	MATERIAL SUPPLY & SERVICES	S&I of 3 (Three) Nos. DIN Type Blade Type HRC Fuse Base along with HRC Fuse Links, suitable for transformer protection	Supply, erection, testing, and commissioning of 3 (Three) Nos. DIN Type Blade Type HRC Fuse Base along with HRC Fuse Links, suitable for transformer protection, as per the following technical specifications:Technical Specifications: Type: DIN Type (Merz & Compact), Blade Type,Quantity: 3 Nos.,Application: Transformer Protection. Current Rating:For 63 kVA Transformer: 100 A HRC Fuse Link,For 100 kVA Transformer: 160 A HRC Fuse Link:Fuse Base Current Rating: 200 A,Breaking Capacity:Fuse Base & Fuse Link: 80 kAMaterial Specifications: HRC Fuse Body Material: DMC (Dough Moulding Compound), D3 GradeTerminal Connector Strip Material (Fuse Base): EC Grade Tin-Plated Copper HRC Fuse Link Type: Blade Type Make:HPL Electric & Power Ltd / Havells India Ltd / Equivalent approved make	EA	22		0
52	Misc	MATERIAL SUPPLY	Miscellaneous	Miscellaneous as per Actual TPEVCSL project Manager Approval(Basis of Bills submissioin)	EA	20		0

		& SERVICES						
53	SPD	MATERIAL SUPPLY & SERVICES	S & I of Surge Protection Device for Charger (Type-2)	For Charger Panel: Supply, installation, testing & commissioning of Surge Protection Device (SPD), Three Phase (3P+N / 3+1 configuration), Type-2, suitable for 415 V AC system, compliant with IEC 61643-11 and EN 61643-11, with minimum discharge capacity as per OEM standard, including all accessories and connections. Make: Reputed (ABB / Schneider / Siemens / OBO / Phoenix Contact or equivalent).	EA	40		0
54	SPD	MATERIAL SUPPLY & SERVICES	S & I of Surge Protection Device for LT Panel (Type-1)	For LT Panel (Main Distribution): Supply, installation, testing & commissioning of Surge Protection Device (SPD), Three Phase (3P+N / 3+1 configuration), Type-1, suitable for 415 V AC LT panel, compliant with IEC 61643-11, complete with necessary mounting arrangement and accessories. Make: Reputed (ABB / Schneider / Siemens / OBO / Phoenix Contact or equivalent).	EA	30		0
55	EMERGENCY PUSH BUTTON	MATERIAL SUPPLY & SERVICES	S & I of Emergency stop push button with Element	Supply, installation, testing & commissioning of Emergency Stop Push Button complete with contact element, Red Mushroom Head type, twist/pull release mechanism, suitable for 22 mm mounting hole, with required NO/NC contacts, mounting accessories, wiring and termination, suitable for installation in charger/MCC/LT control panels. Make: Siemens / Schneider Electric / ABB / Eaton /L & T or Reputed Make.	EA	40		0

56	Metal Bollards	MATERIAL SUPPLY & SERVICES	Supply, construction, erection, testing, installation of Metal Bollards	Supply, fabrication, erection, testing, and installation of heavy-duty bollards for charger/parking protection, complete with SS anchor bolts, including all materials, labor, fixing, and civil work required for installation, as per approved specifications and project guidelines. Technical Specifications: Material of Construction (MOC): SS 304,Height: 1000 mm,Diameter: 3 inches Thickness: 2 mm,Quantity: 1 Set per parking lot (1 Set = 2 Nos.) Installation: Complete with SS anchor bolts, base plate, grouting, and fixing. Work shall be carried out as per DISCOM / TPEVCSL specifications and Project Manager's instructions.	EA	70		0
57	Safety Equipements	MATERIAL SUPPLY & SERVICES	Supply & Installation of Modular type ceiling mounted automated fire extinguisher	Supply & Installation of Modular type ceiling mounted automated fire extinguisher Installation /Mounting with Bracket and required Hardware is in S&I Scope.	EA	36		0
58	Safety Equipements	MATERIAL SUPPLY & SERVICES	Supply & Installation of sand bucket with Hut type Stand as per DISHA norms	Supply & Installation of sand bucket with Hut type Stand as per DISHA norms , Supply rates includes following item . 1) Hut type Stand with red color coated suitable for hang the 4nos Sand Filled Buckets . 2)'Sand Buckets size 10kg Volume with Stands filled Double coated Red Colour Paint as per safey industrial Standard /DISHA norms 3) unloading of consignments, shifting of the same whenever required at designated place	EA	22		0

59	Safety Equipements	MATERIAL SUPPLY & SERVICES	Supply & Installation of CPR Kits	Supply and installation of CPR kits including an Electric Shock First Aid Chart – CPR board (laminated with frame) for substation (S/S) areas, complete with proper background labeling and markings. The board shall be weatherproof and installed with a protective canopy to safeguard against environmental conditions. All erection and installation work shall be carried out as per the instructions and guidelines of the TPEVCSL Project Manager.	EA	22		0
60	Safety Equipements	MATERIAL SUPPLY & SERVICES	S & I of Rubber Mat	Supply & Installation of Electrical Rubber Mat (ISI mark)	M2	600		0
61	MCC PANEL	MATERIAL SUPPLY & SERVICES	Supply, Erection, testing, and commissioning of Outdoor Stand mounting type MCC box complete (Single Charger 400 X400X250 MM with Stand)	Supply, Erection, testing, and commissioning of Outdoor **Stand mounting type MCC box** complete, Outdoor type (Single Charger 400 X400X250 MM with Stand) made of MS sheet of thickness Not less than 1.6 mm CRCA sheet ,dust and moisture vermin, weather proof with degree of protection with suitable bus bars, earthing bus, earthing terminals, box illumination, cable should have a bottom entry only ,front door operated with proper locking arrangement, mounting channel frame, internal wiring with FRLS cables, danger plate, painting should be Powder Coating Light Admiralty Grey IS:5: 1993,Color No-697 after 7 tank Phosphating Process numbering, back clamps, hardware as per the scope of work, approved drawings, specifications, and the guidelines provided by the TPEVCSL Project Manager suitable for following Charger:240/120/60/30/25/10/7.4/3.3 kW	EA	20		0

62	MCC PANEL	MATERIAL SUPPLY & SERVICES	Supply, Erection, testing, and commissioning of Outdoor Stand mounting type MCC box complete (4 WAY-600 X600X250 MM with Stand)	Supply, Erection, testing, and commissioning of **Outdoor Stand mounting type MCC box** complete, Outdoor type (4 WAY-600 X600X250 MM with Stand) made of MS sheet of thickness Not less than 1.6 mm CRCA sheet ,dust and moisture vermin, weather proof with degree of protection with suitable bus bars, earthing bus, earthing terminals, box illumination, cable should have a bottom entry only,front door operated with proper locking arrangement, mounting channel frame, internal wiring with FRLS cables, danger plate, painting should be Powder Coating Light Admiralty Grey IS:5: 1993,Color No-697 after 7 tank Phosphating Process numbering, back clamps, hardware as per the scope of work, approved drawings, specifications, and the guidelines provided by the TPEVCSL Project Manager suitable for following Charger:240/120/60/30/25/10/7.4/3.3 kW	EA	20		0
63	MCC PANEL	MATERIAL SUPPLY & SERVICES	Supply, Erection, testing, and commissioning of Outdoor Stand mounting type MCC box complete (6 WAY-800 X800X250 MM with Stand)	Supply, Erection, testing, and commissioning of **Outdoor Stand mounting type MCC box** complete, Outdoor type (6 WAY-800 X800X250 MM with stasnd)made of MS sheet of thickness Not less than 1.6 mm CRCA sheet ,dust and moisture vermin, weather proof with degree of protection with suitable bus bars, earthing bus, earthing terminals, box illumination, cable should have a bottom entry only,front door operated with proper locking arrangement, mounting channel frame, internal wiring with FRLS cables, ,danger plate, painting should be Powder Coating Light Admiralty Grey IS:5: 1993,Color No-697 after 7 tank Phosphating Process numbering, back clamps, hardware as per the scope of work, approved drawings, specifications, and the guidelines provided by the TPEVCSL Project Manager suitable for following Charger:240/120/60/30/25/10/7.4/3.3 kW	EA	20		0

64	GI Pipe	MATERIAL SUPPLY & SERVICES	Supply and laying of 100 mm dia GI Pipe	Supply and laying of 100 mm dia GI Pipe(medium as per IS: 4984-1995 ,IS-1239 for cable protection .The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M	100		0
65	HDPE	MATERIAL SUPPLY & SERVICES	Supply & Laying of of 110 mm (dia) NB HDPE pipe 10 mm (thickness) PE-80,PN-6 and associated materials	Supply & Laying of heavy duty HDPE Pipe by microtunelling without disturbing the regular railway or vehicular traffic above maintaining statutory depth under railway track or highway carriageway with sealing or plugging & earthing complete at both end including supply of **110 mm (dia)NB HDPE pipe 10 mm (thickness) PE-80,PN-6** and associated materials as per IS:4984-1995 The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M	40		0
66	PVC Pipe	MATERIAL SUPPLY & SERVICES	Supply, Installation of 50 mm Dia PVC pipe	Supply, Installation of 50 mm Dia PVC pipe (heavy duty pvc pipe)The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M	250		0
67	Flexible Pipe	MATERIAL SUPPLY & SERVICES	Sup & Lay of PVC Flexible Pipe different size(4 Inchi)	Sup & Lay of PVC Flexible Pipe (Heavy duty) reputed make size(4 Inchi) The work shall be completed in accordance with TPEVCSL-approved GTP and the guidelines provided by the TPEVCSL Project Manager.	M	120		0
68	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 300 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 300 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	600		0

69	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 185 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 185 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	520		0
70	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 120 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 120 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	422		0
71	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 95 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 95 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	422		0
72	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 70 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 70 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	390		0
73	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 50 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the	M	390		0

			Armoured 50 SQ. MM	TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.				
74	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 35 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 35 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	282		0
75	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 25 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 25 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	40		0
76	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 16 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 16 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	60		0
77	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Al Armoured 10 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE aluminum armoured 4-core 10 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	60		0

78	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying and termination of XLPE CABLE Single Core 1.1 KV Grade Copper Un-Armoured 10 SQ. MM (Multi Strand Copper Cable) Green	Supply,Laying & Dressing of wire Single Core 1.1 KV Grade Cu Un-Armoured 10 SQ. MM (Multi Strand Cu Cable) Green and including Supply and Erection of PVC cable glands, lugs/ thimbles,termination etc. complete .as per DISCOM scope of work and technical specification. .Cable Make : Polycab, KEC, KEI.	M	190		0
79	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying and termination of XLPE CABLE Single Core 1.1 KV Grade Copper Un-Armoured 16 SQ. MM (Multi Strand Copper Cable) Green	Supply,Laying & Dressing of wire Single Core 1.1 KV Grade Cu Un-Armoured 16 SQ. MM (Multi Strand Cu Cable) Green and including Supply and Erection of PVC cable glands, lugs/ thimbles,termination etc. complete .as per scope of work and technical specification. .Cable Make : Polycab, KEC, KEI.	M	190		0
80	Cable	MATERIAL SUPPLY & SERVICES	Supply ,laying of Un- Armoured FRLS ,XLPE CABLE 4 CORE 1.1 KV GRADE Copper 35 SQ. MM	Supply, laying, and dressing of FRLS 1.1 kV XLPE copper Un-armoured 4-core 35 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	90		0

81	Cable	MATERIAL SUPPLY & SERVICES	Supply, laying, testing, and commissioning of 4-core, 95 sq. mm, 1.1 kV grade, unarmoured FRLS XLPE insulated copper cable	Supply, laying, and dressing of 1.1 kV grade FRLS XLPE insulated, unarmoured 4-core 95 sq. mm copper cable, including all associated works. The scope includes cable tagging, core identification, and proper dressing using nylon ties. The work shall be executed as per the instructions of the TPEVCSL Project Manager. Approved cable makes: Polycab / KEC / KEI.	M	200		0
82	Cable	MATERIAL SUPPLY & SERVICES	Supply, laying, and dressing of 1.1 kV grade FRLS XLPE insulated, armoured 4-core 10 sq. mm copper cable,	Supply, laying, and dressing of FRLS 1.1 kV XLPE copper Armoured 4-core 10 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	200		0
83	Cable	MATERIAL SUPPLY & SERVICES	Supply, laying, and dressing of 1.1 kV grade FRLS XLPE insulated, armoured 4-core 16 sq. mm copper cable,	Supply, laying, and dressing of FRLS 1.1 kV XLPE copper Armoured 4-core 16 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	200		0
84	Cable	MATERIAL SUPPLY & SERVICES	Supply, laying, and dressing of 1.1 kV grade FRLS XLPE insulated, armoured 4-core	Supply, laying, and dressing of FRLS 1.1 kV XLPE copper Armoured 4-core 185 sq.mm cable, including all related works. Scope includes tagging, core identification, and cable dressing with nylon ties. Work shall be carried out as per instructions of the TPEVCSL Project Manager. Cable Make: Polycab, KEC, KEI.	M	140		0

			185 sq. mm copper cable,					
85	LT Terminati on Kit	MATERIA L SUPPLY & SERVICES	Sipply & Erection of Heat Shrinakable Outdoor/Indoor Termination Kit ,Gland for,1.1 KV, 4 C x 300 sq mm Al Armoured XLPE cable	Supply ,Erection and termination of heat-shrinkable outdoor/indoor termination kits for 1.1 kV, 4C x 300 sq.mm aluminum armoured XLPE cable, along with the supply and erection of double compression brass cable glands, lugs/thimbles, termination, PVC tape etc complete . The work shall be completed in accordance with the TPEVCSL Project Manager (make as per the scope of work)	EA	20		0
86	LT Terminati on Kit	MATERIA L SUPPLY & SERVICES	Sipply & Erection of Heat Shrinakable Straight Through Termination Kit ,Gland for,1.1 KV, 4 C x 300 sq mm Al Armoured XLPE cable	Supply ,Erection and termination of heat-shrinkable Straight Through termination kits for 1.1 kV, 4C x 300 sq.mm aluminum armoured XLPE cable, along with the supply and erection of double compression brass cable glands, lugs/thimbles, termination, PVC tape etc complete . The work shall be completed in accordance with the TPEVCSL Project Manager (make as per the scope of work)	EA	20		0
87	LT Terminati on Kit	MATERIA L SUPPLY & SERVICES	Sipply & Erection of Heat Shrinakable Outdoor/Indoor Termination Kit ,Gland for,1.1 KV,	Supply,erection and termination of heat-shrinkable outdoor/indoor termination kits for 1.1 kV, 4C x 185/120 sq.mm aluminum armoured XLPE cable, along with the supply and erection of double compression brass cable glands, lugs/thimbles, termination, PVC tape etc complete . The work shall be completed	EA	20		0

			4 C x 185/120 sq mm Al Armoured XLPE cable	in accordance with the TPEVCSL Project Manager (make as per the scope of work)				
88	LT Termination Kit	MATERIAL SUPPLY & SERVICES	Sipply & Erection of Heat Shrinakable Straight Through Termination Kit ,Gland for,1.1 KV,4 C x 185/120 sq mm Al Armoured XLPE cable	Supply ,Erection and termination of heat-shrinkable Straight Through termination kits for 1.1 kV, 4 C x 185/120 sq.mm aluminum armoured XLPE cable, along with the supply and erection of double compression brass cable glands, lugs/thimbles, termination, PVC tape etc complete . The work shall be completed in accordance with the TPEVCSL Project Manager (make as per the scope of work)	EA	14		0
89	LT Termination Kit	MATERIAL SUPPLY & SERVICES	Supply and erection of double compression brass cable glands, lugs/thimbles, terminations, PVC tape, etc., complete in all respects for 1.1 kV, 4C x 95 sq.mm to 10	Supply, laying and termination of 1.1 kV Aluminium Armoured / Unarmoured XLPE cable (4C x 95 sq.mm to 10 sq.mm and other required sizes), complete with lugs, glands, PVC tape and accessories, as per site requirement and direction of TPEVCSL Project Manager.	EA	18		0

			sq.mm aluminum armoured XLPE cables					
90	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 6 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 6 A 2 pole MCB,10 KA make: Siemens, Schneider, L & T	NO	28		0
91	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 10 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 10 A 2 pole MCB,10 KA make: Siemens, Schneider, L & T & C&S	NO	25		0
92	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 16 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 16 A 2 pole MCB,10 KA make: Siemens, Schneider, L & T & C&S	NO	30		0
93	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 20 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 20 A 2 pole MCB,10 KA make: Siemens, Schneider, L & T & C&S	NO	9		0
94	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 25 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 25 A 2 pole MCB,10 KA make: Siemens, Schneider, L & T & C&S	EA	9		0

95	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 32 A 2 pole MCB,10 kA	Supply & Erection, testing & commissioning of 32 A 2 pole MCB,10 Ka make: Siemens, Schneider, L & T & C&S	EA	68		0
96	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 40 2 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 40 A 2 pole MCB,10 kA make: Siemens, Schneider, L & T & C&S	EA	68		0
97	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 25 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 25 A 4 pole MCB,10 KA make: Siemens, Schneider, L & T & C&S	EA	6		0
98	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 32 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 32 A 4 pole MCB,10 kA make: Siemens, Schneider, L & T & C&S	EA	6		0
99	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 40 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 40 A 4 pole MCB,10 kA make: Siemens, Schneider, L & T & C&S	EA	6		0
100	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 63 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 63 A 4 pole MCB,10 kA	EA	125		0
101	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 100 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 100 A 4 pole MCB,10 kA make: Siemens, Schneider, L & T & C&S	EA	6		0

102	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 125 A 4 pole MCB,10 kA	Supply & Erection, testing & commissioning of 125 A 4 pole MCB,10 kA make: Siemens, Schneider, L & T & C&S	EA	6		0
103	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 100 A 4 pole Isolator(MCCB),25 kA	Supply & Erection, testing & commissioning of 100 A 4 pole Isolator(MCCB),25 kA, make: Siemens, Schneider, L & T & C&S	EA	6		0
104	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 125 A 4 pole Isolator(MCCB) ,25 kA	Supply & Erection, testing & commissioning of 125 A 4 pole Isolator(MCCB),25 kA make: Siemens, Schneider, L & T & C&S	EA	110		0
105	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 160 A 4 pole Isolator(MCCB),25 kA	Supply & Erection, testing & commissioning 160 A 4 pole Isolator(MCCB),25 kA,make: Siemens, Schneider, L & T & C&S	EA	66		0
106	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 200 A 4 pole Isolator(MCCB),25 kA	Supply & Erection, testing & commissioning of 200 A 4 pole Isolator(MCCB),25 kA,make: Siemens, Schneider, L & T & C&S	EA	14		0
107	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 250 A 4 pole	Supply & Erection, testing & commissioning of 250 A 4 pole Isolator(MCCB),25 kA,make: Siemens, Schneider, L & T & C&S	EA	10		0

			Isolator(MCCB),25 kA					
108	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 400 A 4 pole Isolator(MCCB),36 kA	Supply & Erection, testing & commissioning of 400 A 4 pole Isolator(MCCB),36 kA ,make: Siemens, Schneider, L & T & C&S	EA	10		0
109	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 500 A 4 pole Isolator(MCCB),36 kA	Supply & Erection, testing & commissioning of 500 A 4 pole Isolator(MCCB),36 kA ,make: Siemens, Schneider, L & T & C&S	EA	4		0
110	MCB/MCCB	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of 630 A 4 pole Isolator(MCCB),36 kA	Supply & Erection, testing & commissioning of 630 A 4 pole Isolator(MCCB),36 kA,make: Siemens, Schneider, L & T & C&S	EA	10		0
111	MCB/MCCB/RCBO	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of RCBO 2P 20A 30mA	S & I , testing & commissioning of RCBO 2P 20A 30mA, make: Siemens, Schneider, L & T & C&S	EA	10		0
112	MCB/MCCB/RCBO	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of RCBO 2P 40A 30mA	S & I , testing & commissioning of RCBO 2P 40A 30mA, make: Siemens, Schneider, L & T & C&S	EA	10		0

113	MCB/MCCB/RCBO	MATERIAL SUPPLY & SERVICES	S & I testing & commissioningof RCBO 4P 63A 30mA	S & I , testing & commissioningof RCBO 4P 63A 30mA, make: Siemens, Schneider, L & T & C&S	EA	10		0
114	MCB/MCCB/RCBO	MATERIAL SUPPLY & SERVICES	S & I ,testing & commissioningof RCBO 4P 100 A 30mA	S & I , testing & commissioningof RCBO 4P 100 A 30mA,make: Siemens, Schneider, L & T & C&S	EA	10		0
115	Panel Accessories	MATERIAL SUPPLY & SERVICES	S & I , testing & commissioning of Multifunction V,A,F etc. Meter	S & I , testing & commissioning of Multifunction V,A,F etc. Meter(VAF39A_1_230 VAC) ,make: SELEC & Eqv.	EA	20		0
116	Panel Accessories	MATERIAL SUPPLY & SERVICES	S & I of R,Y,B Phases Indication Lamp,230 V,Integral LED Type	S & I of R,Y,B Phases Indication Lamp,230 V,Integral LED Type,make: Schneider & L& T or Eqv.(1 Each-3 Nos)	EA	20		0
117	Panel Accessories	MATERIAL SUPPLY & SERVICES	S & I of Cooling Fan(6 inch) with Air Filter	S & I of Cooling Fan(6 inch) with Air Filter Make-Reputed	EA	20		0
Facility Management Services								

118	Site visit	SERVICES	Site Visit Travelling Charges (Distance-Based)	Providing travelling charges for site visits under O&M / FMS works, from the nearest city to the project site, as per the approved list of 100 cities attached with the Scope of Work. Distance shall be considered from the nearest city to the project site (one-way basis). Payment shall be made based on actual kilometers travelled and approved by TPEVCSL Project Manager. All activities shall be performed in accordance with the TPEVCSL-guidelines/instructions provided by the TPEVCSL Project Manager.	KM	9000		0
119	Cleaning works	SERVICES	EV Charger FMS, O&M support Per Unit Monthly-AC Charger	Providing Upkeep & Facility Management Services (FMS) for EV charging infrastructure, including operation, housekeeping/cleaning, on-site support, and preventive & corrective maintenance of EV chargers (AC -3.3 kW to 22 kW capacity), **on a per charger per month basis.** The scope includes maintenance and upkeep of parking areas, charging bays, branding/signage, canopy structures, and associated infrastructure. Services shall include fault handling, emergency breakdown support, and cleaning of roads and surrounding areas to ensure safe, reliable, and efficient operation. The quoted rate shall be inclusive of all costs, including travelling charges, consumables, tools & tackles, and all resources required. All activities shall be carried out as per TPEVCSL guidelines under the supervision of the TPEVCSL Project Manager.	EA	2400		0

120	Cleaning works	SERVICES	EV Charger FMS, O&M support Per Unit Monthly-DC Charger	Providing Upkeep & Facility Management Services (FMS) for EV charging infrastructure, including operation, housekeeping/cleaning, on-site support, and preventive & corrective maintenance of EV chargers DC 15 kW to 360 kW, including multi-dispensers units, **on a per charger per month basis.** The scope includes maintenance and upkeep of parking areas, charging bays, branding/signage, canopy structures, and associated infrastructure. Services shall include fault handling, emergency breakdown support, and cleaning of roads and surrounding areas to ensure safe, reliable, and efficient operation. The quoted rate shall be inclusive of all costs, including travelling charges, consumables, tools & tackles, and all resources required. All activities shall be carried out as per TPEVCSL guidelines under the supervision of the TPEVCSL Project Manager.	EA	5280		0
	Total Package cost 1st Year (Basic) (Rs.)							0
	Total Package cost 2nd Year (Rs.)							0
	Total Package cost 3rd Year (Rs.)							0
	Total Package cost 4th Year (Rs.)							0
	Total Package cost 5th Year (Rs.)							0
	Total Package cost for 5 years (Basic)(Rs.)							0
	GST @ 18%							0
	Total cost incl. GST							0

Rest all details remain same as per the NIT published on 7th May 2026 for this tender.

PART 1

Additional Documents for Operation and maintenance of EV public charging - PAN India.

TATA POWER

Site Survey Report of EV Chargers Installation

TP/EV/QS/01-2022		**Rev:04,Date :10.07.2023**	
Conducted by		Customer Name	
Date		Customer Address	
Latitude & Longitude		Contact No.	
Basic Site Information			
Site Type	Single bldg. / Multi-bldg complex / independent	Parking space developed & aesthetically suitable	Undeveloped /Level Surface/Develop Surface (Paver Block/Asphalt/Cement Concrete)
Parking : Open / covered / basement		Space available for storage / stocking	

Photographs of site & surrounding area as per below checklist

Parking area profile left	**Pic taken**	**Parking area profile right**	**Pic taken**	**Parking area front near + far**	**Pic taken**	**Power source**	**Pic taken**	**Cable route**	**Pic taken**
	☐		☐		☐		☐		☐

Site Details	**Observation**	**Remarks**
Survey For : Nos. of Chargers		
Survey For : kw Charger		
Charger Type		
Type of Installation wall base/ Foundation base		
Flood prone area of depot infrastructure (if any)		
Existing Earthing availability & Condition		Single Line Diagram
New Earthing Proposed Location		Single Line Diagram
Free Space for Canopy Installation (1.6 x 1.4 Mtr.) Else mention the space available		Single Line Diagram
Dedicated parking lot and access to charger		
Free space for MCB & New Meter at meter room		

Mobile Network Strength Details(Mentioned Sequence)	Airtel	Vi	Jio	BSNL

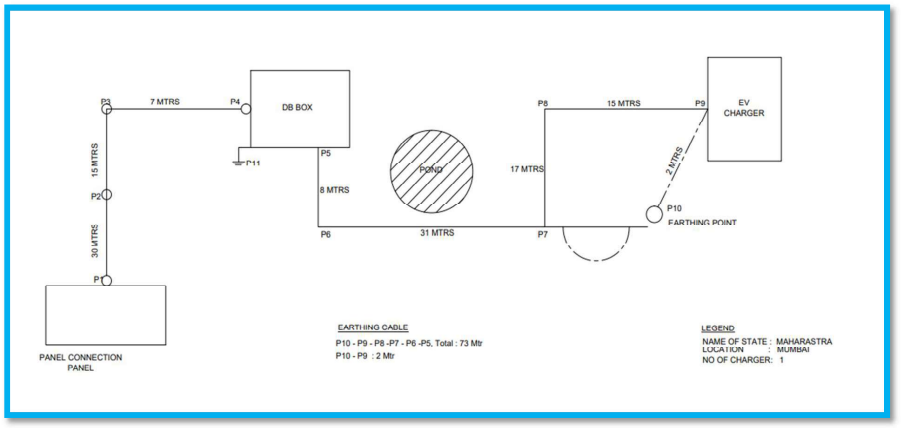
LP Power Availability Details (1 phase/3 Phase)		
Name of the DISCOM		Attached Bill
Type of existing connection Rural / Agricultural / Commercial/ Domestic etc.		Attached Bill
Sanctioned Load		Attached Bill
Actual Load – verified with last 12 months' bills		Attached Bill
Dedicated Transformer Capacity (KVA) & Voltage level		
Transformer available in LP premises (Yes/No)		

Input Parameters		**Value**		**Value**
Input Voltages	L1-N		L1-L2	
	L2-N		L2-L3	

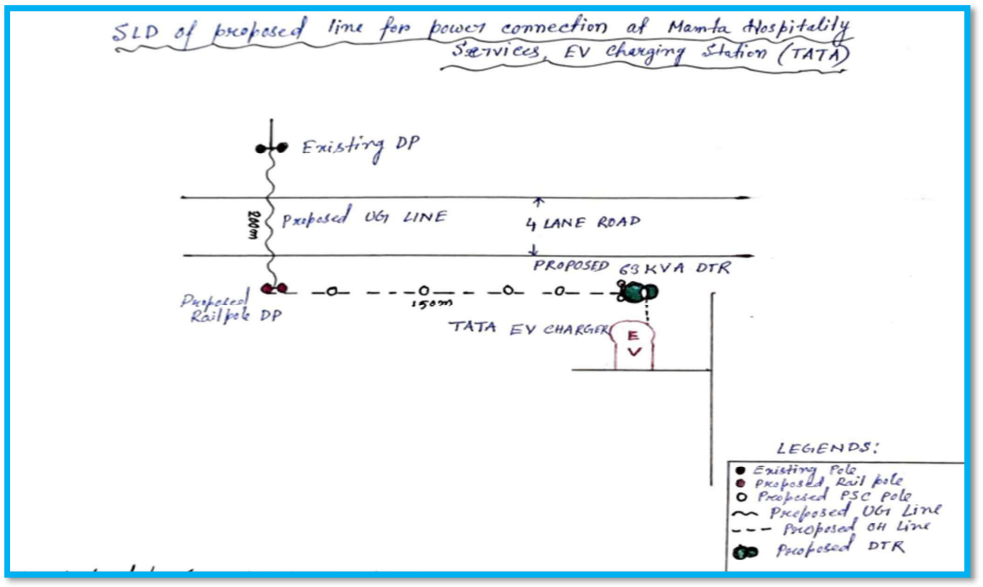
	L3-N		L3-L1	
	PE-N		Earth Res.	
New Power Connection Infra Work Details (1 phase/3 Phase)				
Existing 11/22 KV line/Feeder Distance (Single/Double Pole) from Proposed EV PCS Location			Single Line Diagram	
Nearest Transformer Capacity (KVA) & Voltage level (11/22 kV)			Single Line Diagram	
Nearest Transformer Distance (Metre)				
Road/NH/Railway Crossing			Single Line Diagram	
Space available for Transformer structure in LP Premises				
Type of existing line from Feeder/Transformer (Overhead/Underground)				
Private/Govt land for getting 11 kV line/underground cable, any RoW issue etc.				
Proposed power connection SLD from feeder/DTR to EV PCS attached			Single Line Diagram	
Proposed 11 KV Underground line Type/Length				
a. Soil excavation, digging of buried trench			Single Line Diagram	
b. Soil excavation by cutting of metalled road/cement concrete/brick soiling			Single Line Diagram	

Survey Activity :		
Vendor Representative	**Location Partner**	**TATA POWER REPERSENTATIVE**
Name:	Name:	Name:
Signature:	Signature:	Signature:

Survey Drawing for Charger Installation Works:



Survey Drawing For New Power Connection Infra Works:



Bill of Quantity (Draft):

Line Item No.	Material Code	Description	Qty	Unit
60	3000078765	3CORE X 10 SQ MM ARMOURED XLPE Cu		MTR
100	3000078769	4CORE X 25 SQ MM ARMOURED XLPE Al		MTR
180.1	4204378	LAY 3C/4C AL/Cu CABLE UPTO 16SQMM		MTR
180.2	4204379	LAY 3C/4C AL/Cu CABLE UPTO 17SQMM-50SQMM		MTR
180.5	4204382	SUP INST ACCESSORY FOR TERM AC EVSE		NOS
180.15	4204392	Sup Lay of FLEXIBLE CONDUIT 2 Inch		MTR
180.17	4204394	Supply and Laying of PVC CONDUITS		MTR
180.32	4204410	S & I of RCCB 4P 63A 30mA		NOS
180.36	4204414	S & I of MCB BOX 4WAY		NOS
180.46	4204424	Civil Work-Trench/Road Cut/BackFill		MTR
180.59	4204436	SUPP INSTL DB BOX 4WAY		NOS
180.62	4205857	S & I of MCB 40A 2POLE		NOS

TATA POWER
EZ CHARGE

Service Call Report of EV Chargers Installation Rev:0, Date :27.07.2023			Date of Visit:
Name of Location :		Charger Serial Number :	
Site Address :		Charger Type :	
Contact No /Mail ID :		Service Type:	
Service Call No:		Service call Status	Yes ☐ No ☐
Service Start Date & Time :		Service Closed Date & Time :	

Action Taken :	
Observation :	
Work carried Out :	
Recommendation :	

Service Engineer :	
Name:	
Signature :	

SAFETY AUDIT CHECK LIST		TATA POWER EZ CHARGE
TP /EV/QS/EV-07-2024	Rev: 0 Date :07.02.2024	

A	Detailed Information				
1	Name of Location/Depot. :		5	Charger Sl. No	
2	Customer Name :		6	Charger Type :	
3	Conducted By :		7	Date of Installation:	
4	Charger OEM's & KW :		8	Date Of Energised :	

S. N.	Details of Enclosure	Status (Y/N)	Remarks
1	Safe work for each activity i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.to be executed at site.		
2	Manpower deployment plan, activity wise foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.		
3	List of Lifting Machines i.e. Crane, Hoist, Trifor, Chain Pulley Blocks etc. and Lifting Tools and Tackles i.e. D shackle, Pulleys, come along clamps, used for lifting purposes along with test certificates.		
4	List of Personal Protective Equipment (PPE), activity wise including the following along with test certificate of each as applicable:		
4.1	Industrial Safety Helmet to all workmen at site (IS Mark) with chin strap and back stay arrangement.		
4.2	Safety shoes without steel toe to all ground level workers and canvas shoes for workers working on tower		
4.3	Rubber Gum Boot to workers working in rainy season / concreting job.		
4.4	Twin lanyard Full Body Safety harness with shock absorber and leg strap arrangement for all workers working at height for more than three meters.		
4.5	Providing of good quality cotton hand gloves / leather hand gloves for workers engaged in handling of tower parts or as per requirement at site.		
4.6	Electrical Resistance hand gloves to workers for handling electrical equipment / Electrical connections. IS Mark		
4.7	Dust masks to workers handling cement as per requirement.		
4.8	Face shield for welder and Grinders. (IS mark)		
5	Whether Earth pit is available?		
5.01	Whether all the electrical equipment are firmly supported?		
5.02	Whether adequate Housekeeping is evident?		

S. N.	Details of Enclosure	Status (Y/N)	Remarks
5.03	No Temporary Structure/Meter & Charger Box/Civil Construction materials debris Observed?		
5.04	Whether Barricading the construction area		
5.05	Whether Safety Sign board is Available and Followed(Safety Caution ,Work in Progress)		
6	List of Manpower, Site Engineer & Site Supervisor along with their contact details		
7	Copy of Safety Policy/ Safety Document of the Contractor's company		
8	Confirm Safety during Charger Installation, Power Infra work ,DTR Installation, Meter, LTDB, Earthing, Cable laying ,Charger/Material Shifting, Testing & Commissioning , Service & Maintenance work		
9	Emergency Preparedness Plan' for different incidences i.e. Fall from height, Electrocution, Sun Stroke, Collapse of pit, Collapse of Tower, Snake bite, Fire in camp / Store, Flood, Storm, Earthquake, Militancy etc. while carrying out different activities under execution i.e. Foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.		
10	Other PPEs, if any, as per requirement etc.		

Self-certification by the owner (TATA Power Representative):	
TPC Service Manager	**TPC Regional Head**
Name:	Name:
Signature :	Signature:

TATA POWER
EZ CHARGE

Preventive Maintenance Report of EV Chargers Installation Rev:2,Date :24.04.2024			Installation Date: Energization Date: Date of PM Service:
Location :		Charger Sl. No :	
Address :		Charger Type :	
Contact No /Mail ID		PO Details :	
Service Team & Contact No:		Date of approval :	
Modem Installed:	Yes ☐ No ☐	Product under:	Warranty ☐ AMC ☐ Post Warranty ☐

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
1	**Visual Check & Quality parameters**			
1.01	Inspect for Physical Damage of Charger/Stand	Y		1
1.02	Inspect for Physical Damage of Charger Civil Foundation	N		2
1.03	Check Cable /MCB panel/MCB/Meter/Other hardware accessories etc.	Y		
1.04	Check Cable Laying on wall with Clamp or Cable Laying on Tray with Tie etc.	Y		
1.05	Check Cable trench made with cable trays – or cables laying on trench floor	Y		
1.06	Check all components connections fastening/ fixing of connectors of Charger and MCB/Meter Box etc.	Y		3
1.07	Check charger Fixing / mounting/Canopy	Y		3A
1.08	Check any accumulation of dust on filters	Y		
1.09	Checked alarms and indications found normal & event logs to verify past operation	Y		
1.10	Turn off the charger and clean thoroughly with air blower and duster.	Y		
1.11	All fans removed, cleaned properly & fixed back.	Y		
1.12	Check for working of all cooling Fans including SMR's fan.	Y		
1.13	Check all SMR's all must be Working with green indications.	Y		
1.14	Check for cable entry glands, all fixed properly. There is no opening from where rodents may enter inside charger.	Y		
1.15	Checked physical condition of guns/sockets, display, charger doors, door lock, outer covers and all are ok.	Y		
1.16	Gun is property mounted on Gun holder and condition of Gun & Holder	Y		
1.17	Use of PCB cleaner or thinner for gun terminals (power and communication pin) cleaning. Use plastic brush for dust cleaning Inside the gun terminal.	Y		
1.18	Use of PCB cleaner or thinner for gun terminals (power and communication pin) cleaning. Use plastic brush for dust cleaning Inside the gun terminal.	Y		
1.19	Charger connected to vehicle and Charging properly.	Y		
1.20	Check Power module input & output cable connectors tightness	Y		3B
1.21	Check charging Gun inlet terminals for any accumulation of mud / dust	Y		
1.22	Check Charger LCD screen (Touch – feature)	Y		
1.23	Earthing of main equipment, etc. done properly	Y		4

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
2	**Electrical Parameters Test**	Y		
2.01	L1-N & L1-L2	Y		
2.02	L2-N & L2-L3	Y		5
2.03	L3-N & L3-L1	Y		
2.04	PE-N & Earth Res.	Y		
2.05	No Load & Full Load (Amp)	Y		
3	**Functional Test**	Y		
3.01	Verify the Surge Protection Device has green labels	Y		
3.02	Check for any abnormal Noise from fans or Breakers.	Y		
3.03	Check Auxiliary power supply U1 - (12v).	Y		5A
3.04	Check output of power supply U2 – (12v)	Y		5B
3.05	Perform functional checks on EVSE that includes RFID reader (Beep Sound).	Y		
3.06	Verify the Modem Indicator lights. (Power – Red, Status – Green, Cellular – Green /yellow, Signal – Green / yellow)	Y		
3.07	Check X86 icons on screen. Three icons of MCU, RFID and Network should be visible on screen.	Y		
3.08	Verify the Power Module functionality (Run – Green, Alarm – No Indication, Fault – No Indication)	Y		
3.09	Firmware version	Y		
3.10	Emergency Push Button Operation	Y		
3.11	Check output voltage and current setting	Y		
3.12	Check battery backup operation (If applicable)	Y		
3.13	DC contactor operation (while charging)	Y		
3.14	Relay (12Volt) operation	Y		
3.15	Check Software related issues			
3.16	Check the Company name, Logo, Date & Time and others on screen			
4.00	**Network Operator detail**			
4.01	Operator detail			
4.02	Signal Strength			
4.03	SIM Card photo			
5.00	**Safety parameters**	Y		
5.01	Approach road to EV Charger Station (Parking Marking and Crash Barrier, and Others)	Y		6
5.02	Water logging in the EV Installation Area?	Y		
5.03	Area lighting in the EV Charger is adequate?	Y		
5.04	Fire Fighting Equipment is available as per IS 15683:2006	Y		
5.05	Call Centre No Affixed, Do's and Don'ts Affixed (Latest as on _____)	Y		
5.06	Charger location is safe for work of Preventative Maintenance & Service Call work activity	Y		
5.07	List of Personal Protective Equipment (PPE), activity wise including the following along with test certificate of each as applicable:	Y		
(i)	Industrial Safety Helmet to all workmen at site (IS Mark) with chin strap and back stay arrangement.	Y		
(ii)	Safety shoes without steel toe to all ground level workers	Y		

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
(iii)	Providing of good quality cotton hand gloves / leather hand gloves for workers engaged in handling PM & Service Call works or as per requirement at site.	Y		
(iv)	Electrical Resistance hand gloves to workers for handling electrical equipment / Electrical connections. IS Mark	Y		
(v)	Dust masks to workers handling PM/Service Call works as per requirement.	Y		
(vi)	Other PPEs, if any, as per requirement etc.			
5.8	Whether all the electrical equipment are firmly supported?	Y		
5.9	Whether adequate Housekeeping is evident?	Y		
5.10	No Temporary Structure/Meter & Charger Box/Civil Construction materials debris Observed?	Y		
5.11	Whether Barricading the charger area during PM & Service call works activity	Y		
5.12	Whether Safety Sign board is Available and Followed (Safety Caution ,Work in Progress)	Y		

	Components Replaced Details	Quantity	Reason for failure/Observation	Picture
1				
2				

Any Other Remarks :

Maintenance Activity:		
Vendor Representative	**Location Partner**	**TATA Power Representative**
Name:	Name:	Name:
Signature :	Signature :	Signature:

TATA POWER EV CHARGER CHECKLIST

TATA POWER
EZ CHARGE

Report Ref. No. **Date:**

Sr no	Description	Details
1	Charger Location	
2	Charger Make	
3	Charger Type	
4	Charger Serial No.	
5	Location Partner representative Name	
6	Mobile no	

Checklist for Visual inspection			
Sr no	**Description**	**Yes/No**	**Observation, if any**
1	Charger display screen is ON and touch is working.		
2	All doors of charger/DB box are closed		
3	Tata Power QR code is pasted for every connector gun and is in good condition.		
4	Connector code (e.g. A1, A2, B1, B2 etc.) is pasted near each connector		
5	Tata Power Branding and logo is in good condition		
6	MCB of the charger is switched ON.		
7	Network Communication icon is active on each charger.		
8	Emergency Button is released i.e. Emergency Button is not pressed		
9	EV Parking area is clean.		
10	No non-EV car or bike is parked in slot dedicated for EV Charging		
11	Visual inspection of condition of charging Gun		
12	No waterlogging near the charging station		
13	Visual checking of any loose wire around charging station		

Activities to be carried out		
S. No	**Description**	**Activity**
1	**Cleaning**	
	Cleaning & dusting by use of blower	
(i)	Charger body	
(ii)	Charger guns	
(iii)	Connecting Power cables	
(iv)	Charger canopy	
(v)	Distribution Box	
(vii)	Energy meter	
(viii)	Brooming & cleaning of nearby area in the vicinity of charger	
(ix)	Visual inspection of Structure straightness is checked	
(x)	Rusting of structure to be checked	
(xi)	Civil foundation Healthiness of charger/Distribution box to be checked	
(xii)	Healthiness check of charger stands and wall mount structure	
(xiii)	Mounting of charger Gun at designated position	

Feedback from Location Partner

Photographs	
<Auto-capture date, timing & GPS location when photographs are taken>	

Location Partner's signature	BA signature
(Name & Mobile number)	(Name & Mobile Number)

Annexure-I

TATA POWER EZ CHARGE

Charger Shifting & Dismantled Materials Reports			TP/EV/QS/11-2023 Rev: 0 Dt:29.11.2023
Name of the Vendor :		Type of Charger :	
Name & Location :		Total KW of Charger :	
Contact Details :		Total No of Charger :	
Name of Electricity Board & State:		Charger Installation Date :	
Charger Energised with LP/Discom		Charger Energised Date :	
Transformer KVA Rating :		Meter Details	

Sl No	Dismantled Materials List	Specification if any	Quantity Nos./Meter/Kg	Remarks
1	Charger-1	30 KW		
2	Charger-2	7.4 KW		
3	Charger-1 Stand	1500 mm Height		
4	Charger-2 Stand	1600 mm Height		
5	Armoured XLPE Cable	4 Cx25 Sq.mm		
6	Brass Cable Gland	4 Cx25 Sq.mm		

Name & Signature of OEM's/Contactor :	Name & Signature of Tata Power Representative :

Attach Dismantled Materials Before & after Snaps:

TATA POWER FMS Site Visit Checklist – EV Charging Stations

TP/EV/QS/01-2026, Rev:0, Date :29.04.2026 **Report Date:**

Sr no	Description	Details
1	Charger Location	
2	Charger Make	
3	Charger Type	
4	Charger Serial No.	
5	Location Partner representative Name	
6	Mobile no	
7	(Routine / Breakdown / Emergency)	
8	Weather / Site Conditions	
9	Date & Time of Visit	

Checklist for Visual inspection

Sr no	Description	Yes/No	Observation, if any
1	Charger display screen is ON and touch is working.		
2	All doors of charger/DB box are closed		
3	Tata Power QR code is pasted for every connector gun and is in good condition.		
4	Connector code (e.g. A1, A2, B1, B2 etc.) is pasted near each connector		
5	Tata Power Branding and logo is in good condition		
6	MCB of the charger is switched ON.		
7	Network Communication icon is active on each charger.		
8	Emergency Button is released i.e. Emergency Button is not pressed		
9	EV Parking area is clean.		
10	No non-EV car or bike is parked in slot dedicated for EV Charging		
11	Visual inspection of condition of charging Gun		
12	No waterlogging near the charging station		
13	Visual checking of any loose wire around charging station		

Activities to be carried out

Description	Activity
Housekeeping & Cleaning	
Charger area cleaned (Dust / Oil / Debris removed)	
Electrical room / Control room cleaned	
Parking area and surrounding premises cleaned	
Charger body, panels, enclosures cleaned	
Signage cleaned and visible	
Waste disposed as per norms	

Access pathways clear and obstruction-free	
Washroom cleanliness maintained (if applicable)	
Charger Inspection & Upkeep	
Charger modules visually OK	
Mounting structure condition checked	
Screws, nuts, fasteners tightened	
Distribution box condition checked	
Wiring condition (No damage / overheating marks)	
Cable dressing proper	
No loose/open wires observed	
Charger doors/panels properly closed	
Branding and station aesthetics maintained	
Infra (foundation, canopy, structure) visually OK	
Operation & Maintenance Support	
Preventive maintenance performed as per schedule	
Terminal tightening completed	
Cable routing and management checked	
Minor repairs carried out	
Equipment health status normal	
OEM/service engineer support provided (if any)	
Abnormalities identified and reported	
Breakdown & Emergency Support	
Breakdown reported (Yes/No)	
Response time achieved as per SLA	
Fault identified	
Rectification action taken	
Tools & safety equipment used	
System restored to normal operation	
Pending issues (if any)	
Civil & Utility Check	
Drainage condition OK	
No water leakage observed	
Pathways / flooring condition OK	
Foundation / fencing condition OK	
General utility areas maintained	
Manpower & Supervision	
Required manpower deployed	
Supervisor present / coordinating	
Attendance maintained	
Staff in proper uniform	
Safety Compliance	
PPE used by all personnel	
Work permit (PTW) followed (if applicable)	
Barricading / caution signage provided	
Electrical safety followed	
Fire extinguisher available & valid	
First-aid kit available	
No unsafe conditions observed	

Documentation & Reporting	
Site visit report prepared	
Checklist filled and signed	
Before/after photos captured	
End-user / site owner acknowledgment taken	
Breakdown log updated	
MIS / reports submitted on time	
Any misuse/abuse recorded with evidence	
Consumables & Horticulture	
Cleaning consumables available	
Floor cleaning / mopping done	
Road cleaning done	
Garden maintained (watering, pruning)	
Plants condition healthy	
Manure applied (if required)	
Flowerpots maintained	
Quality Assurance	
Activities as per SOP & SLA	
Approved materials/tools used	
No quality deviations observed	
Defects identified and rectified	
Preventive actions taken	
Site condition satisfactory	
Audit & Compliance	
Previous audit observations reviewed	
Pending points closed	
Records available for verification	
Compliance status updated	
Service Level Compliance	
Response time met (Yes/No)	
Resolution time met (Yes/No)	
PM completed on time (Yes/No)	
Cleanliness standards met (Yes/No)	
Remarks & Observations	
Key observations	
Issues identified	
Recommendations / actions required	

Feedback from Location Partner

Photographs	
<Auto-capture date, timing & GPS location when photographs are taken>	

Location Partner's signature	**BA signature**
(Name & Mobile number)	(Name & Mobile Number)

TATA POWER EV CHARGER CHECKLIST

TATA POWER
EZ CHARGE

Report Ref. No. **Date:**

Sr no	Description	Details
1	Charger Location	
2	Charger Make	
3	Charger Type	
4	Charger Serial No.	
5	Location Partner representative Name	
6	Mobile no	

Checklist for Visual inspection			
Sr no	**Description**	**Yes/No**	**Observation, if any**
1	Charger display screen is ON and touch is working.		
2	All doors of charger/DB box are closed		
3	Tata Power QR code is pasted for every connector gun and is in good condition.		
4	Connector code (e.g. A1, A2, B1, B2 etc.) is pasted near each connector		
5	Tata Power Branding and logo is in good condition		
6	MCB of the charger is switched ON.		
7	Network Communication icon is active on each charger.		
8	Emergency Button is released i.e. Emergency Button is not pressed		
9	EV Parking area is clean.		
10	No non-EV car or bike is parked in slot dedicated for EV Charging		
11	Visual inspection of condition of charging Gun		
12	No waterlogging near the charging station		
13	Visual checking of any loose wire around charging station		

Activities to be carried out		
S. No	**Description**	**Activity**
1	**Cleaning**	
	Cleaning & dusting by use of blower	
(i)	Charger body	
(ii)	Charger guns	
(iii)	Connecting Power cables	
(iv)	Charger canopy	
(v)	Distribution Box	
(vii)	Energy meter	
(viii)	Brooming & cleaning of nearby area in the vicinity of charger	
(ix)	Visual inspection of Structure straightness is checked	
(x)	Rusting of structure to be checked	
(xi)	Civil foundation Healthiness of charger/Distribution box to be checked	
(xii)	Healthiness check of charger stands and wall mount structure	
(xiii)	Mounting of charger Gun at designated position	

Feedback from Location Partner

Photographs	
<Auto-capture date, timing & GPS location when photographs are taken>	

Location Partner's signature	BA signature
(Name & Mobile number)	(Name & Mobile Number)

Major Cities – Survey Locations		
Sl No	**Name of the City**	**Name of the State**
1	Mumbai	Maharashtra
2	Delhi	Delhi
3	Bangalore	Karnataka
4	Hyderabad	Telangana
5	Ahmedabad	Gujarat
6	Chennai	Tamil Nadu
7	Kolkata	West Bengal
8	Surat	Gujarat
9	Pune	Maharashtra
10	Jaipur	Rajasthan
11	Lucknow	Uttar Pradesh
12	Kanpur	Uttar Pradesh
13	Nagpur	Maharashtra
14	Indore	Madhya Pradesh
15	Thane	Maharashtra
16	Bhopal	Madhya Pradesh
17	Visakhapatnam	Andhra Pradesh
18	Pimpri-Chinchwad	Maharashtra
19	Patna	Bihar
20	Vadodara	Gujarat
21	Ghaziabad	Uttar Pradesh
22	Ludhiana	Punjab
23	Agra	Uttar Pradesh
24	Nashik	Maharashtra
25	Faridabad	Haryana
26	Meerut	Uttar Pradesh
27	Rajkot	Gujarat
28	Kalyan-Dombivali	Maharashtra
29	Vasai-Virar	Maharashtra
30	Varanasi	Uttar Pradesh
31	Srinagar	Jammu and Kashmir
32	Aurangabad	Maharashtra
33	Dhanbad	Jharkhand
34	Amritsar	Punjab
35	Navi Mumbai	Maharashtra
36	Allahabad	Uttar Pradesh
37	Howrah	West Bengal
38	Ranchi	Jharkhand
39	Jabalpur	Madhya Pradesh
40	Gwalior	Madhya Pradesh
41	Coimbatore	Tamil Nadu
42	Vijayawada	Andhra Pradesh
43	Jodhpur	Rajasthan
44	Madurai	Tamil Nadu
45	Raipur	Chhattisgarh

46	Kota	Rajasthan
47	Guwahati	Assam
48	Chandigarh	Chandigarh
49	Thiruvananthapuram	Kerala
50	Solapur	Maharashtra
51	Hubballi-Dharwad	Karnataka
52	Tiruchirappalli[6]	Tamil Nadu
53	Tiruppur	Tamil Nadu
54	Moradabad	Uttar Pradesh
55	Mysore	Karnataka
56	Bareily	Uttar Pradesh
57	Gurgaon	Haryana
58	Aligarh	Uttar Pradesh
59	Jalandhar	Punjab
60	Bhubaneswar	Odisha
61	Salem	Tamil Nadu
62	Mira-Bhayandar	Maharashtra
63	Warangal[7]	Telangana
64	Guntur[8]	Andhra Pradesh
65	Bhiwandi	Maharashtra
66	Saharanpur	Uttar Pradesh
67	Gorakhpur	Uttar Pradesh
68	Bikaner	Rajasthan
69	Amravati	Maharashtra
70	Noida	Uttar Pradesh
71	Jamshedpur	Jharkhand
72	Bhilai	Chhattisgarh
73	Cuttack	Odisha
74	Firozabad	Uttar Pradesh
75	Kochi	Kerala
76	Nellore[9]	Andhra Pradesh
77	Bhavnagar	Gujarat
78	Dehradun	Uttarakhand
79	Durgapur	West Bengal
80	Asansol	West Bengal
81	Rourkela	Odisha
82	Nanded	Maharashtra
83	Kolhapur	Maharashtra
84	Ajmer	Rajasthan
85	Akola	Maharashtra
86	Gulbarga	Karnataka
87	Jamnagar	Gujarat
88	Ujjain	Madhya Pradesh
89	Loni	Uttar Pradesh
90	Siliguri	West Bengal
91	Jhansi	Uttar Pradesh

92	Ulhasnagar	Maharashtra
93	Jammu	Jammu and Kashmir
94	Sangli-Miraj & Kupwad	Maharashtra
95	Mangalore	Karnataka
96	Erode[10]	Tamil Nadu
97	Belgaum	Karnataka
98	Ambattur	Tamil Nadu
99	Tirunelveli	Tamil Nadu
100	Malegaon	Maharashtra

PART 2

Additional Scope of work - Facility Management Services.

Tata Power EV Charging Solutions Ltd. (TPEVCSL)	TATA POWER	TECHNICAL SPECIFICATION
		Doc Title. - Scope of Work for FMS Works (Cleaning, O & M Support & Breakdown Services)
Date of Issue: 28.04.2026		**Doc No.** TPEVCSL/EV/26/SPEC-29

Scope of Work for FMS Works (Cleaning, O & M Support & Breakdown Services)

Tata Power EV Charging Solutions Ltd. (TPEVCSL) intends to engage an FMS team for providing cleaning, operational support, and maintenance services during normal operations and breakdown situations. The detailed scope of work shall include, but not be limited to, the following:

Providing Upkeep & Facility Management Services (FMS) for EV charging infrastructure, including operation, housekeeping/cleaning, on-site support, and preventive & corrective maintenance of EV chargers AC-3.3 kW to 22 kW capacity & DC-15 kW to 360 kW, including multi-dispensers units, on a per charger per month basis. The scope includes maintenance and upkeep of parking areas, charging bays, branding/signage, canopy structures, and associated infrastructure. Services shall include fault handling, emergency breakdown support, and cleaning of roads and surrounding areas to ensure safe, reliable, and efficient operation.

The quantity for **Facility Management Services (FMS)** shall be determined based on the **number of onboarded EV chargers** and shall be executed in accordance with the requirements and directions issued by **TPEVCSL** from time to time.

The **allotment of FMS works** shall be carried out at the sole discretion of **TPEVCSL Management**, based on operational requirements, site conditions, and performance considerations.

❖ **Housekeeping & Cleaning**

- ✓ Daily cleaning of charger areas, electrical/control rooms, parking zones, and surrounding premises.
- ✓ Removal of dust, debris, oil, sludge, and waste materials.
- ✓ Cleaning of charger body, panels, enclosures, signage, and equipment exteriors.
- ✓ Disposal of waste as per statutory norms.
- ✓ Ensuring clear access and overall cleanliness of the charging station vicinity.

❖ **Charger Inspection & Upkeep**

- ✓ Visual inspection of charger modules, mounting structures, screws, and fasteners.
- ✓ Checking of distribution boxes, wiring condition, and cable dressing.
- ✓ Identification of loose wires, open doors, or any abnormal conditions.
- ✓ Ensuring proper condition of branding and station aesthetics.
- ✓ Visual inspection of Power and EV Charger Infra Works

❖ **Breakdown & Maintenance Support**

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- ✓ Immediate deployment of manpower during breakdowns.
- ✓ Assistance in fault identification, dismantling, shifting, and restoration.
- ✓ Support during charger, panel, cable, transformer, and utility equipment failures.
- ✓ Arrangement of tools, tackles, ladders, and safety equipment.
- ✓ Facilitation of remote support through video calling with the Service Manager and online technical support teams, as required.

❖ **Operation & Maintenance Support**

- ✓ Routine inspection and preventive checks of equipment and infrastructure.
- ✓ Minor repair works, tightening, terminal cleaning, and cable management.
- ✓ Assistance to OEM/service engineers during maintenance activities.
- ✓ Monitoring and reporting of abnormal conditions.

❖ **Civil & Utility Support**

- ✓ Minor civil repairs, drainage cleaning, and water leakage rectification support.
- ✓ Upkeep of pathways, foundations, fencing, and common utility areas.

❖ **Manpower & Supervision**

- ✓ Deployment of skilled/semi-skilled manpower as per site requirements.
- ✓ Supervisor deployment for coordination and reporting.

❖ **Safety & Compliance**

- ✓ Compliance with safety standards and statutory regulations.
- ✓ Use of PPE, work permits, barricading, and safe working practices.

❖ **Reporting, Documentation & MIS Requirements**

- ✓ Maintenance of attendance records, service reports, and breakdown logs for all site activities.
- ✓ Recording of each site visit along with geo-tagged photographs and acknowledgment from the end user/location representative.
- ✓ Identification and reporting of any system misuse or abuse, supported with photographic evidence.
- ✓ Submission of periodic reports and MIS as per TPEVCSL requirements.
- ✓ Collection and documentation of feedback from the location partner/user.

❖ **Site Visit Reporting Requirements**

Each site visit shall include, but not be limited to, the following:

- ✓ Detailed site visit report
- ✓ Preventive and breakdown maintenance checklists
- ✓ Before and after photographs of the work executed
- ✓ Fault observations along with corrective actions taken

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- ✓ Details of spare parts/components replaced (if any)

❖ **Digital Submission & Compliance**

- ✓ All site visit reports, checklists, and supporting documents shall be recorded and submitted through the TPEVCSL App / Google-based application platform, as mandated.
- ✓ All submissions shall be complete, accurate, and within the defined timelines, and shall be subject to verification and approval by TPEVCSL.
- ✓ Reports must be submitted in real-time or within the stipulated timeline defined by TPEVCSL

❖ **Service Levels**

- ✓ Defined response time for breakdown calls.
- ✓ Timely completion of assigned activities.
- ✓ Maintaining cleanliness and service quality standards as per SLA

❖ **Scope of Consumables – EV Charger, Infrastructure & Surrounding Area (Under Bidder Scope)**

The bidder shall provide, store, and utilize all necessary **consumables** required for operation, maintenance, housekeeping, and cleaning of EV charging stations, associated infrastructure, and surrounding areas. All consumables shall be of approved quality, safe for electrical environments, and compliant with applicable standards.

EV Charger & Electrical Equipment Consumables

- ✓ Non-conductive electrical panel cleaner spray
- ✓ Contact cleaner spray (for connectors, terminals)
- ✓ Dry microfiber cloths for charger surfaces
- ✓ Anti-rust spray / lubricant (e.g., WD-40 or equivalent)
- ✓ Electrical insulation tape
- ✓ Cable ties
- ✓ Heat shrink sleeves (minor applications)
- ✓ Touch-up paint (for minor scratches/corrosion areas)

❖ **Charger Area Cleaning Consumables**

- ✓ Mild detergent solution for external charger body cleaning
- ✓ Glass/plastic screen cleaner (for HMI/display panels)
- ✓ Disinfectant for user touchpoints (gun handles, screens, buttons)
- ✓ Degreaser (for oil/dirt accumulation near parking/charging area)
- ✓ Dusting cloths and wipes

❖ **Housekeeping & General Cleaning Consumables**

- ✓ Floor cleaner (industrial grade)
- ✓ Disinfectant solution

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- ✓ Phenyl / surface cleaner
- ✓ Glass cleaner
- ✓ Cleaning wipes / tissues
- ✓ Microfiber cloths / dusters
- ✓ Scrubbing pads / brushes

❖ **Safety & Hygiene Consumables**

- ✓ Disposable gloves
- ✓ Face masks
- ✓ Hand sanitizers
- ✓ Cleaning/disinfection solutions for high-touch areas
- ✓ Warning stickers/tapes (for temporary barricading during cleaning)

❖ **Electrical & EV Charger Cleaning Safety Items**

- ✓ Insulated gloves
- ✓ Safety shoes
- ✓ Safety helmet
- ✓ Reflective jacket
- ✓ Face mask
- ✓ Lockout/Tagout (LOTO) kit (if applicable)
- ✓ Warning signage (e.g., "Work in Progress", "Wet Floor")

❖ **Cleaning Tools & Equipment**

- ✓ Vacuum cleaner (industrial, if required)
- ✓ Blower
- ✓ High-pressure water jet (for outdoor cleaning, if applicable)
- ✓ Floor scrubbing machine (for large sites)
- ✓ Wringing trolley / mop trolley
- ✓ Extension poles for high-area cleaning
- ✓ Ladder / step ladder

❖ **General Conditions**

- ✓ All consumables shall be arranged by the bidder at no additional cost unless otherwise specified.
- ✓ Consumables shall be replenished regularly to ensure uninterrupted services.
- ✓ Use of substandard or non-approved materials shall not be permitted.
- ✓ Proper storage, handling, and disposal of consumables shall be the responsibility of the bidder.
- ✓ The consumption and usage records shall be maintained and produced for verification when required.

❖ **Quality Assurance**

- ✓ Ensure all FMS activities are carried out as per approved SOPs, SLA, and TPEVCSL guidelines.

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- ✓ Use only standard-quality materials, consumables, and approved tools.
- ✓ Maintain cleanliness, upkeep, and service quality standards at all times.
- ✓ Conduct routine inspections and preventive maintenance to ensure reliable operation.
- ✓ Ensure proper documentation of all activities, including checklists, reports, and logs.
- ✓ Timely rectification of identified defects and non-conformities.
- ✓ Continuous monitoring and reporting of site conditions and performance

❖ **Safety Compliance**

- ✓ Strict adherence to all applicable safety standards and statutory regulations.
- ✓ Mandatory use of Personal Protective Equipment (PPE) by all personnel.
- ✓ Implementation of work permit systems (PTW) for all critical activities.
- ✓ Proper barricading, signage, and hazard identification at work sites.

- ✓ Safe handling of electrical systems and equipment as per guidelines.
- ✓ Availability and proper use of firefighting equipment and first-aid facilities.
- ✓ Immediate reporting and escalation of any safety incidents or near-miss cases.

❖ **Workforce Safety & Training**

- ✓ Deployment of trained, skilled, and certified manpower for FMS activities.
- ✓ Regular safety training, toolbox talks, and awareness programs.

❖ **Audit & Compliance Monitoring**

- ✓ Participation in safety audits, inspections, and compliance checks.
- ✓ Closure of audit observations within defined timelines.
- ✓ Maintaining all safety and quality records for review and verification

❖ **HSE Requirement for Contractors:**

✓ **General HSE Requirements:**

The Contract Works shall be always undertaken in compliance with the HSE Requirements

In case any requirement contained in this document is lower than the local Law, the local Law shall apply.
In case of compliance to any requirement contained in this document would result in a breach of the Law, then the corresponding requirement is not applicable.

The Contractor is responsible for ensuring that Contractor Personnel, Personnel of its own contractor(s) and any visitor to site, are fully aware of and always comply with the HSE Requirements of Tata Power during performance of the Contract Work or whilst on Site, including the procedures to be followed in case of emergency. It is the responsibility of the contractor to include TATA Power HSE requirements in the legal agreement established with its own contractors.

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The Tata Power reserves the right to verify that the Contractor and all Contractor Personnel meet the HSE Requirements.

The Contractor shall attend HSE meeting arranged by the Tata Power to communicate and discuss HSE issues.

- ✓ **Risk Assessment, Permit to Work and Method Statements**

  The contractor shall conduct suitable and sufficient risk assessments and prepare method statements for all activities to be carried out by the contractor and a permit to work must be obtained for all high-risk activities. No activity shall proceed without authorization by the relevant authority of the related risk assessment documentation and method statement. The permit receiver and issuer must inspect the works covered under the permit to work.

- ✓ **Personal Protective Equipment (PPE)**

  The Contractor shall ensure at their own cost that each member of Contractor Personnel is provided with the correct Personal Protective Equipment or clothing for the Contract Works to be carried out, including but not limited to safety shoes, safety helmets, long pants, long sleeved shirt, gloves, aprons, high visibility clothing, masks, safety glasses, goggles, ear plugs, double lanyard safety harnesses, etc., as may be required by risk assessment.
  All PPE used shall always be in accordance with internationally recognized standards and the Law.

- ✓ **Audit and Inspection**

  The Tata Power reserves the right to carry out or have carried out any audits and/or inspections it considers necessary during the contract duration. These audits may take place at the Site or, where relevant, on the premises of the Tata Power or the Contractor.

- ✓ **EHS Reporting**

  The Contractor shall immediately notify the Tata Power HSE department of any environmental incident, injury, illness, near-miss, unsafe condition or practice and any loss or damage to the Tata Power property, environment including incidents related to the Contractor Personnel.

- ✓ **Working at Height**

  All persons working at height, supervising Work at Height activities, or involved in designing fall prevention or fall protection measures must be subject to formal competence check by the Contractor to ensure necessary training, experience, and qualification prior to commencing work.

- ✓ **Lifting Operations**

  The Contractor shall prepare a lifting plan, checked, and submit for authorization by Contractor's competent authorized persons prior to any lifting operation and formally communicated to all persons undertaking the work.

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✓ **Lockout Tagout Tryout ("LOTOTO")**

Prior to performing work on machines or equipment or panel, the Contractor shall ensure that all energy sources are isolated and verify the absence of residual energy (e.g.: by using specific voltage detecting device for electricity). At any time, the Contractor shall follow the Site-specific LOTOTO and Permit to Work rules. The Contractor must ensure that all their affected Contractor Personnel receive the necessary training.

✓ **Fire Protection and Prevention**

Routine hot works should be described in the Contractor Risk Control Plan. Non-routine hot works are submitted to daily hot works permits given by the relevant authority. Full and unrestricted access to emergency exits, fire-fighting equipment, fire control and emergency vehicles shall be always maintained. The Contractor shall provide, install, and maintain their own temporary fire protection against hazards they introduce to the site

❖ **Bill of Quantities and General Instructions to Bidders:**

1. Site Visit Travelling Charges (Distance-Based)

I. Bidders shall quote the rate per kilometer for travelling charges under this line item.
II. The quoted rate shall be inclusive of all costs such as fuel, driver charges, vehicle maintenance, tolls, and other incidental expenses.
III. No separate claims other than the quoted rate shall be entertained.
IV. Payment shall be processed based on actual distance travelled (one-way basis) and duly certified by the TPEVCSL Project Manager.
V. Any deviation from the approved methodology of distance calculation shall require prior approval from TPEVCSL.

2. EV Charger FMS, O&M support Per Unit Monthly-AC Charger

VI. Bidders shall quote a composite rate per charger per month for the complete scope of FMS services.
VII. The quoted rate shall be inclusive of all expenses, and no additional claims (including travelling, consumables, or manpower) shall be entertained.
VIII. The bidder shall ensure availability of adequate manpower and resources for uninterrupted operation and maintenance of chargers.
IX. Preventive maintenance schedules and breakdown response timelines shall be adhered to as per TPEVCSL requirements/SLA.
X. The bidder shall comply with all safety standards, statutory regulations, and PPE requirements during execution.
XI. Proper record keeping, reporting, and coordination with the TPEVCSL Project Manager shall be maintained at all times.
XII. Payment shall be made on a per charger per month basis, subject to satisfactory performance and certification by TPEVCSL.

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3. EV Charger FMS, O&M support Per Unit Monthly-DC Charger

XIII. Bidders shall quote a composite rate per charger per month for the complete scope of FMS services.
XIV. The quoted rate shall be inclusive of all expenses, and no additional claims (including travelling, consumables, or manpower) shall be entertained.
XV. The bidder shall ensure availability of adequate manpower and resources for uninterrupted operation and maintenance of chargers.
XVI. Preventive maintenance schedules and breakdown response timelines shall be adhered to as per TPEVCSL requirements/SLA.
XVII. The bidder shall comply with all safety standards, statutory regulations, and PPE requirements during execution.
XVIII. Proper record keeping, reporting, and coordination with the TPEVCSL Project Manager shall be maintained at all times.
XIX. Payment shall be made on a per charger per month basis, subject to satisfactory performance and certification by TPEVCSL.

4. Miscellaneous

XX. Bidders shall quote unit rates or percentage basis (if applicable) for miscellaneous works, as specified in the tender.
XXI. No miscellaneous work shall be executed without prior written approval from the TPEVCSL Project Manager.
XXII. Payment shall be made strictly on actual consumption/usage basis, supported by valid bills, invoices, and work completion records.
XXIII. The bidder shall ensure proper documentation and justification for all claims under this item.
XXIV. TPEVCSL reserves the right to accept, reject, or limit any claim under this category based on verification.
XXV. The rates quoted shall be inclusive of all applicable costs, unless otherwise specified.

5. Labour / Helper / Mason – Per Day

XXVI. Bidders shall quote a rate per day per person for Labour / Helper / Mason under this line item.
XXVII. The quoted rate shall be inclusive of wages, statutory compliances, PPE, and all applicable overheads, but exclusive of travelling charges.
XXVIII. Travelling charges shall be paid separately as per the Terms & Conditions (T&C) of TPEVCSL.
XXIX. The bidder shall ensure deployment of skilled/semi-skilled manpower as per site requirements and instructions of the TPEVCSL Project Manager.
XXX. All manpower deployed shall comply with applicable labour laws, safety regulations, and statutory requirements.
XXXI. The bidder shall be responsible for attendance, supervision, and performance of deployed manpower.
XXXII. Payment shall be made based on actual deployment (number of persons × number of days), duly certified by the TPEVCSL Project Manager.
XXXIII. No idle charges or minimum guarantee for manpower deployment shall be entertained.
XXXIV. The bidder shall ensure timely mobilization of manpower to meet project requirements.

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6. Electrician, Electrical Technician Helper / Skilled/Semi-skilled labour Supervisor Service Charges – Per Day.

XXXV. Bidders shall quote a rate per day per person for each category of manpower under this line item.
XXXVI. The quoted rate shall be inclusive of wages, statutory compliances PPE, supervision, and all applicable overheads, but exclusive of travelling charges.
XXXVII. Travelling charges shall be payable separately as per the Terms & Conditions (T&C) of TPEVCSL.
XXXVIII. The bidder shall ensure deployment of qualified and experienced personnel as per the specific requirements of the work and directions of the TPEVCSL Project Manager.
XXXIX. All personnel must comply with applicable safety standards, electrical safety norms, and statutory regulations.
XL. The bidder shall be responsible for tool handling, workmanship quality, and adherence to site safety practices.
XLI. Proper attendance records and work reports shall be maintained and submitted for verification.
XLII. Payment shall be made based on actual deployment (number of personnel × number of days), duly certified by the TPEVCSL Project Manager.
XLIII. No claims for idle time, standby charges, or minimum manpower guarantee shall be entertained.
XLIV. The bidder shall ensure timely mobilization and availability of manpower, including during emergency or breakdown situations, as required by TPEVCSL.

❖ **Service Level Agreement (SLA)**

Service Level Agreement (SLA) for EV Charger Facility Management Services (FMS, O&M support)				
Sr.No.	**Defined Parameter**	**Service Level Requirement**	**Validation Procedure**	**Penalty**
1	Manpower Mobilization (Helper, Technician etc.) at Site (L1, L2 & Other Cities)	Manpower Mobilization (Helper, Technician etc.) at Site (L1, L2 & Other Cities)	within 5 hours for Tier1 city, within 7 Hrs for Tier 2 city, within 10 Hrs for other cities	5 % of Cost for every day delay, maximum up to 10 %
2	Non-Compliance of Monthly FMS and O & M Support for EV Chargers (AC/DC Charger)	Non-Compliance of FMS and O & M Support for EV Chargers (AC/DC Charger)	Minimum uptime per charger: **≥ 98% per month**	95% – 98%: 2% deduction of monthly FMS charges per affected charger 90% – 95%: 5% deduction < 90%: 10% deduction + escalation
3	Non-Submission of Site Visit / Service Report (with photos & checklist)	Complete report submitted through TPEVCSL App with geo-tagged photos and checklist	Within 48 hours of site visit	5 % of Cost for every day delay, maximum up to 10 %

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❖ **Contactor Selection Criteria:**

❖ **Legal & Statutory Requirements**

- ✓ Bidder must be a registered entity (Company/LLP/Proprietorship).
- ✓ Valid GST registration, PAN, and other statutory registrations.
- ✓ Compliance with PF, ESIC, labour laws, and applicable statutory requirements.
- ✓ Bidder should not be blacklisted/debarred by any Government/PSU/Private organization (self-declaration required).

❖ **Experience & Track Record**

- ✓ Minimum **3 years of experience** in Facility Management Services (FMS), O&M support, or electrical maintenance works.
- ✓ Experience in **EV charging infrastructure / electrical systems** (LT/HT panels, transformers, utilities) preferred.
- ✓ Successfully executed at least:
  - One Order of order value not less than Rs. 10 Lakhs each
  - Two Orders of Order Value not Less than Rs. 6 Lakhs each
  - Three Orders of order value not less than Rs. 5 Lakhs each
  - Any no. of Orders for a cumulative value not less than Rs. 20 Lakh (Submit work orders and completion certificates).

❖ **Financial Capability**

- ✓ The Bidder should have average annual turnover of Rs. Ten Lakhs (Rs. 10,00,000/-) in previous 3 financial years. Copy of audited balance Sheet and P&L account to be submitted in this regard. UDIN No. shall be mandatorily mentioned on the audited documents. If the bidder has started operation in the past 2 years, then average annual turnover for the past 2 years will be considered and should be equal to or more than Rs. 10,00,000/-. Such bidder should a document substantiating the start of business in the past 2 years. (Turnover is kept considering split among vendors and similar to the expected value per vendor to have maximum participation)
- ✓ Positive net worth in the last financial year.
- ✓ Submission of audited financial statements / CA-certified documents.

❖ **Technical Capability**

- ✓ Capability to undertake operation, preventive & corrective maintenance of EV chargers and associated infrastructure.
- ✓ Ability to provide **24×7 breakdown support** and meet SLA timelines.
- ✓ Availability of required tools, tackles, testing instruments, and safety equipment.

Rev No.	Prepared By	Reviewed By	Reviewed By	Approved By
R00	Jhantu Biswas	Anuj Kumar/ Nilesh Shivankar	Pathan Mujahid Khan	Ramkrishna Singh
Date	28/04/2026	28/04/2026	28/04/2026	28/04/2026

❖ **Manpower & Resources**

- ✓ Availability of skilled, semi-skilled, and unskilled manpower as per scope.
- ✓ Deployment of qualified supervisors and certified electrical personnel (valid license required).
- ✓ Capability for **zone-wise execution and support** (if applicable).
- ✓ Once finalized we will be splitting the contract between 3 to 4 vendors of Each Zone across Pan India

❖ **Safety & Quality Compliance**

- ✓ Adherence to safety standards, PPE usage, and Permit-to-Work (PTW) system.
- ✓ Submission of safety records and incident history (if any).
- ✓ Commitment to maintain quality standards as per SLA and TPEVCSL guidelines.

❖ **Documentation & Reporting**

- ✓ Capability to maintain daily logs, service reports, breakdown records, and MIS reporting.
- ✓ Ability to submit site checklists, photographs, and compliance reports.

❖ **Undertaking**

- ✓ Acceptance of all tender terms, SLA conditions, and penalty clauses.
- ✓ Submission of declaration for non-blacklisting and compliance with all tender requirements.

❖ **OLA Period:**

- ✓ OLA Validity will be 5 years from date of issue of OLA.

❖ **Schedule of Deviation**

(TO BE ENCLOSED WITH THE BID)

All deviations from this specification shall be set out by the Bidders, clause by Clause in this schedule. Unless specifically mentioned in this Schedule, the tender shall be deemed to confirm the purchaser's specifications:

S No.	Clause No.	Details of deviation with justifications

We confirm that there are no deviations apart from those detailed above.

Seal of the Company:

Signature

Designation

Rev No.	Prepared By	Reviewed By	Reviewed By	Approved By
R00	Jhantu Biswas	Anuj Kumar/ Nilesh Shivankar	Pathan Mujahid Khan	Ramkrishna Singh
Date	28/04/2026	28/04/2026	28/04/2026	28/04/2026

1. **ENCLOSED**

I. **Bill of Materials (BOM)**
II. **Check List -FMS Format,** Operation & Maintenance (O&M), Preventive Maintenance (PM), etc.
III. **List of 100 Identified Cities Across India**
IV. **List of Onboarded EV Chargers Across Various State in India**

Rev No.	Prepared By	Reviewed By	Reviewed By	Approved By
R00	Jhantu Biswas	Anuj Kumar/ Nilesh Shivankar	Pathan Mujahid Khan	Ramkrishna Singh
Date	28/04/2026	28/04/2026	28/04/2026	28/04/2026

TATA POWER
EZ CHARGE

Preventive Maintenance Report of EV Chargers Installation Rev:2,Date :24.04.2024			Installation Date: Energization Date: Date of PM Service:
Location :		Charger Sl. No :	
Address :		Charger Type :	
Contact No /Mail ID		PO Details :	
Service Team & Contact No:		Date of approval :	
Modem Installed:	Yes ☐ No ☐	Product under:	Warranty ☐ AMC ☐ Post Warranty ☐

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
1	**Visual Check & Quality parameters**			
1.01	Inspect for Physical Damage of Charger/Stand	Y		1
1.02	Inspect for Physical Damage of Charger Civil Foundation	N		2
1.03	Check Cable /MCB panel/MCB/Meter/Other hardware accessories etc.	Y		
1.04	Check Cable Laying on wall with Clamp or Cable Laying on Tray with Tie etc.	Y		
1.05	Check Cable trench made with cable trays – or cables laying on trench floor	Y		
1.06	Check all components connections fastening/ fixing of connectors of Charger and MCB/Meter Box etc.	Y		3
1.07	Check charger Fixing / mounting/Canopy	Y		3A
1.08	Check any accumulation of dust on filters	Y		
1.09	Checked alarms and indications found normal & event logs to verify past operation	Y		
1.10	Turn off the charger and clean thoroughly with air blower and duster.	Y		
1.11	All fans removed, cleaned properly & fixed back.	Y		
1.12	Check for working of all cooling Fans including SMR's fan.	Y		
1.13	Check all SMR's all must be Working with green indications.	Y		
1.14	Check for cable entry glands, all fixed properly. There is no opening from where rodents may enter inside charger.	Y		
1.15	Checked physical condition of guns/sockets, display, charger doors, door lock, outer covers and all are ok.	Y		
1.16	Gun is property mounted on Gun holder and condition of Gun & Holder	Y		
1.17	Use of PCB cleaner or thinner for gun terminals (power and communication pin) cleaning. Use plastic brush for dust cleaning Inside the gun terminal.	Y		
1.18	Use of PCB cleaner or thinner for gun terminals (power and communication pin) cleaning. Use plastic brush for dust cleaning Inside the gun terminal.	Y		
1.19	Charger connected to vehicle and Charging properly.	Y		
1.20	Check Power module input & output cable connectors tightness	Y		3B
1.21	Check charging Gun inlet terminals for any accumulation of mud / dust	Y		
1.22	Check Charger LCD screen (Touch – feature)	Y		
1.23	Earthing of main equipment, etc. done properly	Y		4

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
2	**Electrical Parameters Test**	Y		
2.01	L1-N & L1-L2	Y		
2.02	L2-N & L2-L3	Y		5
2.03	L3-N & L3-L1	Y		
2.04	PE-N & Earth Res.	Y		
2.05	No Load & Full Load (Amp)	Y		
3	**Functional Test**	Y		
3.01	Verify the Surge Protection Device has green labels	Y		
3.02	Check for any abnormal Noise from fans or Breakers.	Y		
3.03	Check Auxiliary power supply U1 - (12v).	Y		5A
3.04	Check output of power supply U2 – (12v)	Y		5B
3.05	Perform functional checks on EVSE that includes RFID reader (Beep Sound).	Y		
3.06	Verify the Modem Indicator lights. (Power – Red, Status – Green, Cellular – Green /yellow, Signal – Green / yellow)	Y		
3.07	Check X86 icons on screen. Three icons of MCU, RFID and Network should be visible on screen.	Y		
3.08	Verify the Power Module functionality (Run – Green, Alarm – No Indication, Fault – No Indication)	Y		
3.09	Firmware version	Y		
3.10	Emergency Push Button Operation	Y		
3.11	Check output voltage and current setting	Y		
3.12	Check battery backup operation (If applicable)	Y		
3.13	DC contactor operation (while charging)	Y		
3.14	Relay (12Volt) operation	Y		
3.15	Check Software related issues			
3.16	Check the Company name, Logo, Date & Time and others on screen			
4.00	**Network Operator detail**			
4.01	Operator detail			
4.02	Signal Strength			
4.03	SIM Card photo			
5.00	**Safety parameters**	Y		
5.01	Approach road to EV Charger Station (Parking Marking and Crash Barrier, and Others)	Y		6
5.02	Water logging in the EV Installation Area?	Y		
5.03	Area lighting in the EV Charger is adequate?	Y		
5.04	Fire Fighting Equipment is available as per IS 15683:2006	Y		
5.05	Call Centre No Affixed, Do's and Don'ts Affixed (Latest as on _____)	Y		
5.06	Charger location is safe for work of Preventative Maintenance & Service Call work activity	Y		
5.07	List of Personal Protective Equipment (PPE), activity wise including the following along with test certificate of each as applicable:	Y		
(i)	Industrial Safety Helmet to all workmen at site (IS Mark) with chin strap and back stay arrangement.	Y		
(ii)	Safety shoes without steel toe to all ground level workers	Y		

S.N.	Descriptions	Status (Yes/No)	Observation	Picture No.
(iii)	Providing of good quality cotton hand gloves / leather hand gloves for workers engaged in handling PM & Service Call works or as per requirement at site.	Y		
(iv)	Electrical Resistance hand gloves to workers for handling electrical equipment / Electrical connections. IS Mark	Y		
(v)	Dust masks to workers handling PM/Service Call works as per requirement.	Y		
(vi)	Other PPEs, if any, as per requirement etc.			
5.8	Whether all the electrical equipment are firmly supported?	Y		
5.9	Whether adequate Housekeeping is evident?	Y		
5.10	No Temporary Structure/Meter & Charger Box/Civil Construction materials debris Observed?	Y		
5.11	Whether Barricading the charger area during PM & Service call works activity	Y		
5.12	Whether Safety Sign board is Available and Followed (Safety Caution ,Work in Progress)	Y		

	Components Replaced Details	Quantity	Reason for failure/Observation	Picture
1				
2				

Any Other Remarks :

Maintenance Activity:		
Vendor Representative	**Location Partner**	**TATA Power Representative**
Name:	Name:	Name:
Signature :	Signature :	Signature:

TATA POWER EV CHARGER CHECKLIST

TATA POWER
EZ CHARGE

Report Ref. No. **Date:**

Sr no	Description	Details
1	Charger Location	
2	Charger Make	
3	Charger Type	
4	Charger Serial No.	
5	Location Partner representative Name	
6	Mobile no	

Checklist for Visual inspection			
Sr no	**Description**	**Yes/No**	**Observation, if any**
1	Charger display screen is ON and touch is working.		
2	All doors of charger/DB box are closed		
3	Tata Power QR code is pasted for every connector gun and is in good condition.		
4	Connector code (e.g. A1, A2, B1, B2 etc.) is pasted near each connector		
5	Tata Power Branding and logo is in good condition		
6	MCB of the charger is switched ON.		
7	Network Communication icon is active on each charger.		
8	Emergency Button is released i.e. Emergency Button is not pressed		
9	EV Parking area is clean.		
10	No non-EV car or bike is parked in slot dedicated for EV Charging		
11	Visual inspection of condition of charging Gun		
12	No waterlogging near the charging station		
13	Visual checking of any loose wire around charging station		

Activities to be carried out		
S. No	**Description**	**Activity**
1	**Cleaning**	
	Cleaning & dusting by use of blower	
(i)	Charger body	
(ii)	Charger guns	
(iii)	Connecting Power cables	
(iv)	Charger canopy	
(v)	Distribution Box	
(vii)	Energy meter	
(viii)	Brooming & cleaning of nearby area in the vicinity of charger	
(ix)	Visual inspection of Structure straightness is checked	
(x)	Rusting of structure to be checked	
(xi)	Civil foundation Healthiness of charger/Distribution box to be checked	
(xii)	Healthiness check of charger stands and wall mount structure	
(xiii)	Mounting of charger Gun at designated position	

Feedback from Location Partner

Photographs	
<Auto-capture date, timing & GPS location when photographs are taken>	

Location Partner's signature	BA signature
(Name & Mobile number)	(Name & Mobile Number)

TATA POWER FMS Site Visit Checklist – EV Charging Stations

TP/EV/QS/01-2026, Rev:0, Date :29.04.2026 **Report Date:**

Sr no	Description	Details
1	Charger Location	
2	Charger Make	
3	Charger Type	
4	Charger Serial No.	
5	Location Partner representative Name	
6	Mobile no	
7	(Routine / Breakdown / Emergency)	
8	Weather / Site Conditions	
9	Date & Time of Visit	

Checklist for Visual inspection

Sr no	Description	Yes/No	Observation, if any
1	Charger display screen is ON and touch is working.		
2	All doors of charger/DB box are closed		
3	Tata Power QR code is pasted for every connector gun and is in good condition.		
4	Connector code (e.g. A1, A2, B1, B2 etc.) is pasted near each connector		
5	Tata Power Branding and logo is in good condition		
6	MCB of the charger is switched ON.		
7	Network Communication icon is active on each charger.		
8	Emergency Button is released i.e. Emergency Button is not pressed		
9	EV Parking area is clean.		
10	No non-EV car or bike is parked in slot dedicated for EV Charging		
11	Visual inspection of condition of charging Gun		
12	No waterlogging near the charging station		
13	Visual checking of any loose wire around charging station		

Activities to be carried out

Description	Activity
Housekeeping & Cleaning	
Charger area cleaned (Dust / Oil / Debris removed)	
Electrical room / Control room cleaned	
Parking area and surrounding premises cleaned	
Charger body, panels, enclosures cleaned	
Signage cleaned and visible	
Waste disposed as per norms	

Access pathways clear and obstruction-free	
Washroom cleanliness maintained (if applicable)	
Charger Inspection & Upkeep	
Charger modules visually OK	
Mounting structure condition checked	
Screws, nuts, fasteners tightened	
Distribution box condition checked	
Wiring condition (No damage / overheating marks)	
Cable dressing proper	
No loose/open wires observed	
Charger doors/panels properly closed	
Branding and station aesthetics maintained	
Infra (foundation, canopy, structure) visually OK	
Operation & Maintenance Support	
Preventive maintenance performed as per schedule	
Terminal tightening completed	
Cable routing and management checked	
Minor repairs carried out	
Equipment health status normal	
OEM/service engineer support provided (if any)	
Abnormalities identified and reported	
Breakdown & Emergency Support	
Breakdown reported (Yes/No)	
Response time achieved as per SLA	
Fault identified	
Rectification action taken	
Tools & safety equipment used	
System restored to normal operation	
Pending issues (if any)	
Civil & Utility Check	
Drainage condition OK	
No water leakage observed	
Pathways / flooring condition OK	
Foundation / fencing condition OK	
General utility areas maintained	
Manpower & Supervision	
Required manpower deployed	
Supervisor present / coordinating	
Attendance maintained	
Staff in proper uniform	
Safety Compliance	
PPE used by all personnel	
Work permit (PTW) followed (if applicable)	
Barricading / caution signage provided	
Electrical safety followed	
Fire extinguisher available & valid	
First-aid kit available	
No unsafe conditions observed	

Documentation & Reporting	
Site visit report prepared	
Checklist filled and signed	
Before/after photos captured	
End-user / site owner acknowledgment taken	
Breakdown log updated	
MIS / reports submitted on time	
Any misuse/abuse recorded with evidence	
Consumables & Horticulture	
Cleaning consumables available	
Floor cleaning / mopping done	
Road cleaning done	
Garden maintained (watering, pruning)	
Plants condition healthy	
Manure applied (if required)	
Flowerpots maintained	
Quality Assurance	
Activities as per SOP & SLA	
Approved materials/tools used	
No quality deviations observed	
Defects identified and rectified	
Preventive actions taken	
Site condition satisfactory	
Audit & Compliance	
Previous audit observations reviewed	
Pending points closed	
Records available for verification	
Compliance status updated	
Service Level Compliance	
Response time met (Yes/No)	
Resolution time met (Yes/No)	
PM completed on time (Yes/No)	
Cleanliness standards met (Yes/No)	
Remarks & Observations	
Key observations	
Issues identified	
Recommendations / actions required	

Feedback from Location Partner

Photographs	
<Auto-capture date, timing & GPS location when photographs are taken>	

Location Partner's signature	**BA signature**
(Name & Mobile number)	(Name & Mobile Number)

SAFETY AUDIT CHECK LIST		TATA POWER EZ CHARGE
TP /EV/QS/EV-07-2024	Rev: 0 Date :07.02.2024	

A	Detailed Information				
1	Name of Location/Depot. :		5	Charger Sl. No	
2	Customer Name :		6	Charger Type :	
3	Conducted By :		7	Date of Installation:	
4	Charger OEM's & KW :		8	Date Of Energised :	

S. N.	Details of Enclosure	Status (Y/N)	Remarks
1	Safe work for each activity i.e. foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.to be executed at site.		
2	Manpower deployment plan, activity wise foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.		
3	List of Lifting Machines i.e. Crane, Hoist, Trifor, Chain Pulley Blocks etc. and Lifting Tools and Tackles i.e. D shackle, Pulleys, come along clamps, used for lifting purposes along with test certificates.		
4	List of Personal Protective Equipment (PPE), activity wise including the following along with test certificate of each as applicable:		
4.1	Industrial Safety Helmet to all workmen at site (IS Mark) with chin strap and back stay arrangement.		
4.2	Safety shoes without steel toe to all ground level workers and canvas shoes for workers working on tower		
4.3	Rubber Gum Boot to workers working in rainy season / concreting job.		
4.4	Twin lanyard Full Body Safety harness with shock absorber and leg strap arrangement for all workers working at height for more than three meters.		
4.5	Providing of good quality cotton hand gloves / leather hand gloves for workers engaged in handling of tower parts or as per requirement at site.		
4.6	Electrical Resistance hand gloves to workers for handling electrical equipment / Electrical connections. IS Mark		
4.7	Dust masks to workers handling cement as per requirement.		
4.8	Face shield for welder and Grinders. (IS mark)		
5	Whether Earth pit is available?		
5.01	Whether all the electrical equipment are firmly supported?		
5.02	Whether adequate Housekeeping is evident?		

S. N.	Details of Enclosure	Status (Y/N)	Remarks
5.03	No Temporary Structure/Meter & Charger Box/Civil Construction materials debris Observed?		
5.04	Whether Barricading the construction area		
5.05	Whether Safety Sign board is Available and Followed(Safety Caution ,Work in Progress)		
6	List of Manpower, Site Engineer & Site Supervisor along with their contact details		
7	Copy of Safety Policy/ Safety Document of the Contractor's company		
8	Confirm Safety during Charger Installation, Power Infra work ,DTR Installation, Meter, LTDB, Earthing, Cable laying ,Charger/Material Shifting, Testing & Commissioning , Service & Maintenance work		
9	Emergency Preparedness Plan' for different incidences i.e. Fall from height, Electrocution, Sun Stroke, Collapse of pit, Collapse of Tower, Snake bite, Fire in camp / Store, Flood, Storm, Earthquake, Militancy etc. while carrying out different activities under execution i.e. Foundation works including civil works, erection, stringing (as applicable), testing & commissioning, disposal of materials at site / store etc.		
10	Other PPEs, if any, as per requirement etc.		

Self-certification by the owner (TATA Power Representative):	
TPC Service Manager	**TPC Regional Head**
Name:	Name:
Signature :	Signature:

TATA POWER
EZ CHARGE

Service Call Report of EV Chargers Installation Rev:0, Date :27.07.2023			Date of Visit:
Name of Location :		Charger Serial Number :	
Site Address :		Charger Type :	
Contact No /Mail ID :		Service Type:	
Service Call No:		Service call Status	Yes ☐ No ☐
Service Start Date & Time :		Service Closed Date & Time :	

Action Taken :	
Observation :	
Work carried Out :	
Recommendation :	

Service Engineer :	
Name:	
Signature :	

TATA POWER

Site Survey Report of EV Chargers Installation

TP/EV/QS/01-2022		**Rev:04,Date :10.07.2023**	
Conducted by		Customer Name	
Date		Customer Address	
Latitude & Longitude		Contact No.	
Basic Site Information			
Site Type	Single bldg. / Multi-bldg complex / independent	Parking space developed & aesthetically suitable	Undeveloped /Level Surface/Develop Surface (Paver Block/Asphalt/Cement Concrete)
Parking : Open / covered / basement		Space available for storage / stocking	

Photographs of site & surrounding area as per below checklist

Parking area profile left	**Pic taken**	**Parking area profile right**	**Pic taken**	**Parking area front near + far**	**Pic taken**	**Power source**	**Pic taken**	**Cable route**	**Pic taken**
	☐		☐		☐		☐		☐

Site Details	**Observation**	**Remarks**
Survey For : Nos. of Chargers		
Survey For : kw Charger		
Charger Type		
Type of Installation wall base/ Foundation base		
Flood prone area of depot infrastructure (if any)		
Existing Earthing availability & Condition		Single Line Diagram
New Earthing Proposed Location		Single Line Diagram
Free Space for Canopy Installation (1.6 x 1.4 Mtr.) Else mention the space available		Single Line Diagram
Dedicated parking lot and access to charger		
Free space for MCB & New Meter at meter room		

Mobile Network Strength Details(Mentioned Sequence)	Airtel	Vi	Jio	BSNL

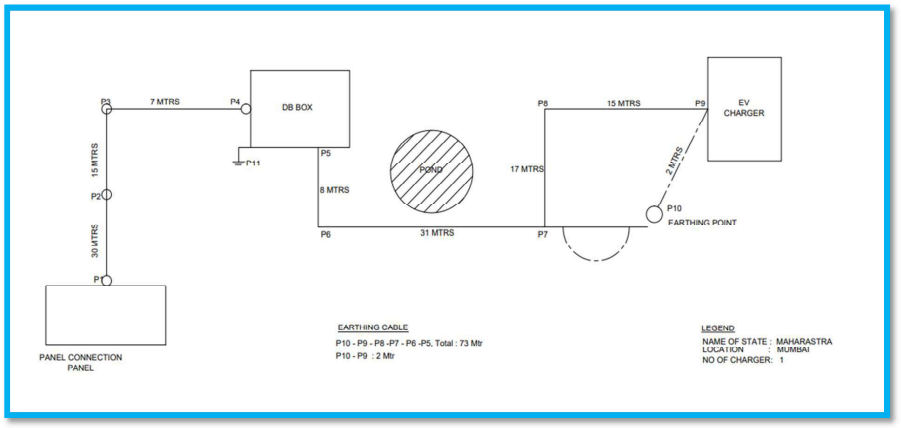
LP Power Availability Details (1 phase/3 Phase)		
Name of the DISCOM		Attached Bill
Type of existing connection Rural / Agricultural / Commercial/ Domestic etc.		Attached Bill
Sanctioned Load		Attached Bill
Actual Load – verified with last 12 months' bills		Attached Bill
Dedicated Transformer Capacity (KVA) & Voltage level		
Transformer available in LP premises (Yes/No)		

Input Parameters		**Value**		**Value**
Input Voltages	L1-N		L1-L2	
	L2-N		L2-L3	

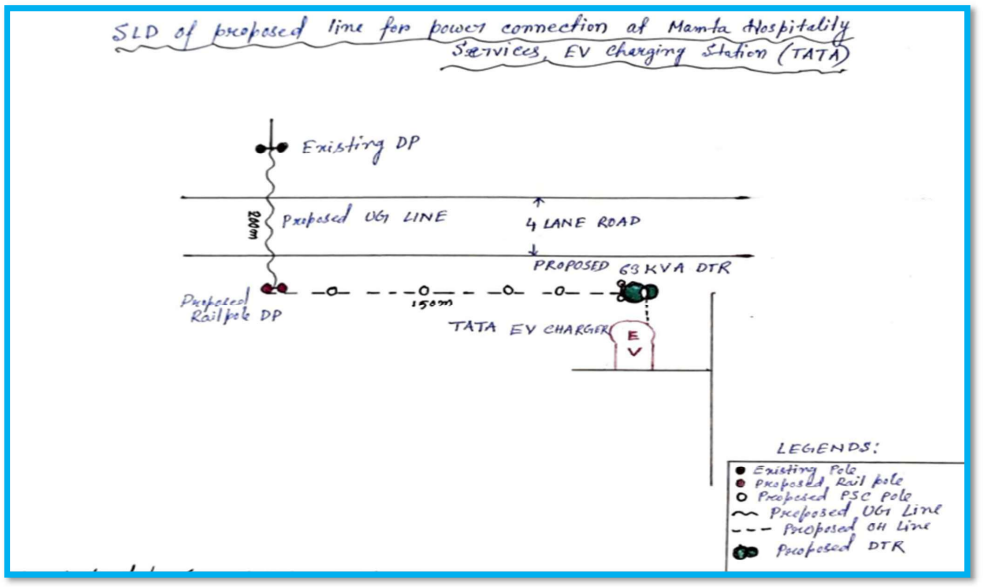
	L3-N		L3-L1	
	PE-N		Earth Res.	
New Power Connection Infra Work Details (1 phase/3 Phase)				
Existing 11/22 KV line/Feeder Distance (Single/Double Pole) from Proposed EV PCS Location			Single Line Diagram	
Nearest Transformer Capacity (KVA) & Voltage level (11/22 kV)			Single Line Diagram	
Nearest Transformer Distance (Metre)				
Road/NH/Railway Crossing			Single Line Diagram	
Space available for Transformer structure in LP Premises				
Type of existing line from Feeder/Transformer (Overhead/Underground)				
Private/Govt land for getting 11 kV line/underground cable, any RoW issue etc.				
Proposed power connection SLD from feeder/DTR to EV PCS attached			Single Line Diagram	
Proposed 11 KV Underground line Type/Length				
a. Soil excavation, digging of buried trench			Single Line Diagram	
b. Soil excavation by cutting of metalled road/cement concrete/brick soiling			Single Line Diagram	

Survey Activity :		
Vendor Representative	**Location Partner**	**TATA POWER REPERSENTATIVE**
Name:	Name:	Name:
Signature:	Signature:	Signature:

Survey Drawing for Charger Installation Works:



Survey Drawing For New Power Connection Infra Works:



Bill of Quantity (Draft):

Line Item No.	Material Code	Description	Qty	Unit
60	3000078765	3CORE X 10 SQ MM ARMOURED XLPE Cu		MTR
100	3000078769	4CORE X 25 SQ MM ARMOURED XLPE Al		MTR
180.1	4204378	LAY 3C/4C AL/Cu CABLE UPTO 16SQMM		MTR
180.2	4204379	LAY 3C/4C AL/Cu CABLE UPTO 17SQMM-50SQMM		MTR
180.5	4204382	SUP INST ACCESSORY FOR TERM AC EVSE		NOS
180.15	4204392	Sup Lay of FLEXIBLE CONDUIT 2 Inch		MTR
180.17	4204394	Supply and Laying of PVC CONDUITS		MTR
180.32	4204410	S & I of RCCB 4P 63A 30mA		NOS
180.36	4204414	S & I of MCB BOX 4WAY		NOS
180.46	4204424	Civil Work-Trench/Road Cut/BackFill		MTR
180.59	4204436	SUPP INSTL DB BOX 4WAY		NOS
180.62	4205857	S & I of MCB 40A 2POLE		NOS

Annexure-I

TATA POWER EZ CHARGE

Charger Shifting & Dismantled Materials Reports			TP/EV/QS/11-2023 Rev: 0 Dt:29.11.2023
Name of the Vendor :		Type of Charger :	
Name & Location :		Total KW of Charger :	
Contact Details :		Total No of Charger :	
Name of Electricity Board & State:		Charger Installation Date :	
Charger Energised with LP/Discom		Charger Energised Date :	
Transformer KVA Rating :		Meter Details	

Sl No	Dismantled Materials List	Specification if any	Quantity Nos./Meter/Kg	Remarks
1	Charger-1	30 KW		
2	Charger-2	7.4 KW		
3	Charger-1 Stand	1500 mm Height		
4	Charger-2 Stand	1600 mm Height		
5	Armoured XLPE Cable	4 Cx25 Sq.mm		
6	Brass Cable Gland	4 Cx25 Sq.mm		

Name & Signature of OEM's/Contactor :	Name & Signature of Tata Power Representative :

Attach Dismantled Materials Before & after Snaps:

Major Cities – Survey Locations		
Sl No	**Name of the City**	**Name of the State**
1	Mumbai	Maharashtra
2	Delhi	Delhi
3	Bangalore	Karnataka
4	Hyderabad	Telangana
5	Ahmedabad	Gujarat
6	Chennai	Tamil Nadu
7	Kolkata	West Bengal
8	Surat	Gujarat
9	Pune	Maharashtra
10	Jaipur	Rajasthan
11	Lucknow	Uttar Pradesh
12	Kanpur	Uttar Pradesh
13	Nagpur	Maharashtra
14	Indore	Madhya Pradesh
15	Thane	Maharashtra
16	Bhopal	Madhya Pradesh
17	Visakhapatnam	Andhra Pradesh
18	Pimpri-Chinchwad	Maharashtra
19	Patna	Bihar
20	Vadodara	Gujarat
21	Ghaziabad	Uttar Pradesh
22	Ludhiana	Punjab
23	Agra	Uttar Pradesh
24	Nashik	Maharashtra
25	Faridabad	Haryana
26	Meerut	Uttar Pradesh
27	Rajkot	Gujarat
28	Kalyan-Dombivali	Maharashtra
29	Vasai-Virar	Maharashtra
30	Varanasi	Uttar Pradesh
31	Srinagar	Jammu and Kashmir
32	Aurangabad	Maharashtra
33	Dhanbad	Jharkhand
34	Amritsar	Punjab
35	Navi Mumbai	Maharashtra
36	Allahabad	Uttar Pradesh
37	Howrah	West Bengal
38	Ranchi	Jharkhand
39	Jabalpur	Madhya Pradesh
40	Gwalior	Madhya Pradesh
41	Coimbatore	Tamil Nadu
42	Vijayawada	Andhra Pradesh
43	Jodhpur	Rajasthan
44	Madurai	Tamil Nadu
45	Raipur	Chhattisgarh

46	Kota	Rajasthan
47	Guwahati	Assam
48	Chandigarh	Chandigarh
49	Thiruvananthapuram	Kerala
50	Solapur	Maharashtra
51	Hubballi-Dharwad	Karnataka
52	Tiruchirappalli[6]	Tamil Nadu
53	Tiruppur	Tamil Nadu
54	Moradabad	Uttar Pradesh
55	Mysore	Karnataka
56	Bareily	Uttar Pradesh
57	Gurgaon	Haryana
58	Aligarh	Uttar Pradesh
59	Jalandhar	Punjab
60	Bhubaneswar	Odisha
61	Salem	Tamil Nadu
62	Mira-Bhayandar	Maharashtra
63	Warangal[7]	Telangana
64	Guntur[8]	Andhra Pradesh
65	Bhiwandi	Maharashtra
66	Saharanpur	Uttar Pradesh
67	Gorakhpur	Uttar Pradesh
68	Bikaner	Rajasthan
69	Amravati	Maharashtra
70	Noida	Uttar Pradesh
71	Jamshedpur	Jharkhand
72	Bhilai	Chhattisgarh
73	Cuttack	Odisha
74	Firozabad	Uttar Pradesh
75	Kochi	Kerala
76	Nellore[9]	Andhra Pradesh
77	Bhavnagar	Gujarat
78	Dehradun	Uttarakhand
79	Durgapur	West Bengal
80	Asansol	West Bengal
81	Rourkela	Odisha
82	Nanded	Maharashtra
83	Kolhapur	Maharashtra
84	Ajmer	Rajasthan
85	Akola	Maharashtra
86	Gulbarga	Karnataka
87	Jamnagar	Gujarat
88	Ujjain	Madhya Pradesh
89	Loni	Uttar Pradesh
90	Siliguri	West Bengal
91	Jhansi	Uttar Pradesh

92	Ulhasnagar	Maharashtra
93	Jammu	Jammu and Kashmir
94	Sangli-Miraj & Kupwad	Maharashtra
95	Mangalore	Karnataka
96	Erode[10]	Tamil Nadu
97	Belgaum	Karnataka
98	Ambattur	Tamil Nadu
99	Tirunelveli	Tamil Nadu
100	Malegaon	Maharashtra

Onboard charger location					
SL NO	**Region**	**STATE**	**AC-Charger**	**DC-Charger**	**Total**
1	East	Andaman & Nicobar		1	1
2	East	Arunachal Pradesh			0
3	East	Assam	6	18	24
4	East	Bihar	7	23	30
5	East	Chhattisgarh	3	24	27
6	East	Jharkhand	1	25	26
7	East	Madhya Pradesh	19	47	66
8	East	Manipur			0
9	East	Meghalaya	1	1	2
10	East	Odisha	13	56	69
11	East	Sikkim	3	1	4
12	East	West Bengal	45	109	154
13	South	Andhra Pradesh	22	160	182
14	South	Karnataka	131	119	250
15	South	Kerala	37	95	132
16	South	Tamil Nadu	63	116	179
17	South	Telangana	48	122	170
18	West	Goa	23	22	45
19	West	Gujarat	20	141	161
20	West	Gujrat		1	1
21	West	Maharashtra	1152	398	1550
22	West	Puducherry	1	3	4
23	North	Chandigarh	2	3	5
24	North	Delhi	53	104	157
25	North	DNH & Daman & Diu		1	1
26	North	Haryana	167	171	338
27	North	Himachal Pradesh	5	9	14
28	North	Jammu	7	12	19
29	North	Ladakh			0
30	North	Punjab	12	28	40
31	North	Rajasthan	66	133	199
32	North	Tripura	1	2	3
33	North	Uttar Pradesh	127	203	330
34	North	Uttarakhand	20	19	39
		Total	**2055**	**2167**	**4222**