

## NOTICE INVITING TENDER

**The Tata Power Company Limited Invites Tenders** (Two-Part Bidding Process), from interested and eligible Vendors for the following Works required for its Transmission Receiving Stations.

### **A. Summary of the tendered packages:**

<b>Sr. No.</b>	<b>Description</b>	<b>Tender Reference no.</b>	<b>Bid Guarantee Fee / EMD (Rs.)</b>	<b>Tender Fee (Rs.)</b>
1.	Construction of GIS building & associated Civil works for 33 KV GIS at Tata Power Mahalaxmi & Bhingare (Panvel) Receiving Station in Mumbai.	CC26SVP019	2,00,000 /-	2,000 /-

**Interested bidder is strongly advised not to wait by above time and purchase the tender immediately to get the link for bid submission. This will enable them to communicate/raise queries against the subject tender in time.**

For additional technical details and Pre-qualification criteria for the subject works please refer section C below.

### **B. Guidelines for Participating:**

Interested and eligible vendors can participate by submitting the following up to 1500 hours on **Monday – 1<sup>st</sup> September 2025**.

1. Payment of non-refundable Tender Fee, as indicated in table above to be paid by direct deposit in following bank account

Beneficiary Name – The Tata Power Co. Ltd.

Bank Name – HDFC Bank Ltd.

Branch Name – Fort Branch, Mumbai

Address – Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023.

Branch Code – 60

Bank & Branch Code – 400240015

Account No – 00600110000763

Account type – CC

IFSC Code – HDFC0000060

2. Submission of duly signed and stamped Authorization Letter indicating name of authorized person, contact number and e-mail id (mandatory) on Vendor's letterhead. The letter shall also mandatorily include payment details of Tender fee and Tender Reference no **CC26SVP019**.

Authorization Letter along with proof of submission of tender fee should be e-mail to **Ms. Sujata Vishnu Patil** ([sujatavishnu.patil@tatapower.com](mailto:sujatavishnu.patil@tatapower.com)) and copy to **Ms. Vaishali Kachare** ([vaishali.Kachare@tatapower.com](mailto:vaishali.Kachare@tatapower.com))

**Note:** - Once the above-mentioned documents are received, detailed RFP shall be issued through our e-tender system.

3. It is clarified that Bid Guarantee/EMD as mentioned in section “A” above, is not required to be submitted at this stage, and it will be required to be submitted in the form of Bank guarantee at the time of Bid Submission.

**C. Addition technical details:**

**A2. Prequalification Criteria (Technical & Commercial:**

Sr No	Parameter	Tata Power Requirement	Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement
1	2	3	4
(A)	<b>Experience</b>	<p>The bidder should have a minimum of 5 years of work experience in the field of civil works, including the construction of buildings in industrial areas, with the following qualifications:</p> <p>i. The bidder must have an experienced team for the construction of buildings up to G+1 in operational areas, including roof sheeting work.</p> <p>iii. Experience in excavation up to 200 M3, RCC work upto 250 M3, and structural steel work up to 20 MT, with erection at heights up to 8.00 meters inside switchyard areas.</p> <p>iv. Experience in all types of flooring and false ceiling work; all types of window and door works; internal and external plastering, painting, waterproofing, etc.</p> <p>v. Experience in built-up trench construction.</p> <p>vi. The bidder shall provide copies of purchase orders for major jobs successfully completed during the last 5 years.</p> <p>vii. The bidder shall provide a list of clients.</p> <p>viii. The bidder shall provide a list of machinery and equipment.</p> <p>ix. The bidder shall provide a list of staff, including engineers, safety engineers, and supervisors.</p> <p>In case the bidder has a previous association with any of Tata Power Group companies for similar products and services, the performance feedback of the bidder by the Tata Power Group companies shall only be considered for evaluation purpose, irrespective of performance certificates issued by any third organization</p>	<p>Bidder to submit credentials for supporting the noted criteria. Owner has the right to reject the bid in case it is observed that the Bidder does not meet the relevant experience for the subject works</p>
(B)	<b>ISO Certifications</b>	<p>Bidder should possess ISO-9001, ISO-14001 and OHSAS-18001 / ISO-45001 Certification or they should provide an undertaking that they will obtain these certifications for their organization if the work is awarded to them.</p> <p>The said package being high risk service job .The Bidder will have to go through requirement Tata Power Skilled Development Institute (TPSDI) training for workmen, Certifications etc. 100% workmen shall be L1 &amp; L2 and supervisor should be L3 trained &amp; certified by Tata Power Skill Development Institute (TPSDI).</p>	<p>Bidder to submit credentials for supporting the noted criteria. Owner has the right to reject the bid in case it is observed that the Bidder does not meet the relevant experience for the subject works.</p> <p>List of TPSDI trained workmen OR undertaking for completion of training.</p>
(c)	<b>Commercial Capability</b>	<p>Average annual turnover of the Vendor for last three financial years shall not be less than INR 3.0 Cr.</p>	<p>Audited Profit &amp; Loss statement along with UDIN No. to be attached.</p>

**Note -**

1) Tata Power reserves the right to review and approve / reject the Bidder based on Document Submission.

2) The Prequalification Criteria published along with the tender "In Section C.1 Pre-Qualification Criteria" is the total & complete pre-qualification requirement for the tender and shall prevail over any other/additional pre-qualification requirement mentioned elsewhere in the tender.

3) Apart from the above PQR bidder must also qualify in Safety evaluation. Details will be shared along with tender documents.

**Note:** Above Pre-qualification details need not be submitted at this stage. These shall be required to be submitted along with bid submission. At this stage, Interested Vendors who fulfill above criteria need to participate in tender by paying tender fee and submitting authorization letter as detailed in section "B" above.

**D. Estimated Quantity: (BOQ)**

Sr No.	Location	Estimated Cost		
		Basic Price (INR)	All-inclusive Price (INR)	Total Package Value
2	Mahalaxmi	-	-	
3	Bhingare (Panvel)	-	-	-

**a) For Mahalaxmi Location:**

Price Bid Format_CC26SVP019_Construction of GIS building & Associated Civil work for 33 KV GIS at Tata Power Mahalaxmi & Bhingari (Panvel) RSS in Mumbai.					
Sr No	Description	Quantity	UOM	Rate (INR)	Amount (INR)
1	<p>Excavation of soil 0 to 3m incl. MCGM permit. "Excavation below existing Ground Level for foundations, drains, compound wall and underground tanks or any other structure within the OWNER's Premises in ordinary earth, soft/weathered rock, which includes rock/boulders/slag/slate/laterite and gravel/ clay/ murrum of all kinds, rubble, concrete debris, scrap steel, clearing away vegetation trees of all girth, bushes, underground roots, stumps etc., including shoring, strutting and all safety provisions, by providing adequate slopes using hard barricading as per OWNER's standards including careful handling of underground utilities etc., including backfilling as directed by the Owner, stacking and multiple handling of earth within the OWNER's Premises and disposal of surplus earth beyond plot boundary in MCGM approved area etc. as directed by Engineer-in-charge, including dewatering, preparing the bed for foundation etc. Payment for earth works shall be on net plan area of PCC. No payment will be made for side slopes, working area etc.</p> <p>The rate shall be inclusive of taking permission from Collector/MCGM or any other authorities beyond MCGM limit for the dumping place in consultation with the Municipal and/or other Local Authorities &amp; Debris Management Cell. Contractor should ensure that this disposal cause no nuisance to the residents of town. Disposal is at the risk and cost of the Contractor.</p> <p>From existing ground level to a depth of 3 m</p>	40	M3		0

2	<p>"Excavation below existing Ground Level for foundations, drains, compound wall and underground tanks or any other structure within the OWNER#s Premises in hard rock by ordinary chiseling; clearing away vegetation trees of all girth, bushes, underground roots, stumps etc., including shoring, strutting and all safety provisions, by providing adequate slopes using hard barricading as per OWNER#s standards including careful handling of underground utilities etc., including backfilling as directed by the Owner, stacking and multiple handling of earth within the OWNER#s Premises and disposal of surplus earth beyond plot boundary in MCGM approved area etc. as directed by Engineer-in-charge, including dewatering, preparing the bed for foundation etc. Payment for earth works shall be on net plan area of PCC. No payment will be made for side slopes, working area etc.</p> <p>The rate shall be inclusive of taking permission from Collector/MCGM or any other authorities beyond MCGM limit for the dumping place in consultation with the Municipal and/or other Local Authorities &amp; Debris Management Cell. Contractor should ensure that this disposal cause no nuisance to the residents of town. Disposal is at the risk and cost of the Contractor. From existing ground level to a depth of 3 m"</p>	5	M3		0
3	<p>Excavation below existing Ground Level for foundations, drains, compound wall and underground tanks or any other structure within the OWNER#s Premises in hard rock by mechanical chiseling by pneumatic/hydraulic rock breaker; clearing away vegetation trees of all girth, bushes, underground roots, stumps etc., including shoring, strutting and all safety provisions, by providing adequate slopes using hard barricading as per OWNER#s standards including careful handling of underground utilities etc., including backfilling as directed by the Owner, stacking and multiple handling of earth within the OWNER#s Premises and disposal of surplus earth beyond plot boundary in MCGM approved area etc. as directed by Engineer-in-charge, including dewatering, preparing the bed for foundation etc. Payment for earth works shall be on net plan area of PCC. No payment will be made for side slopes, working area etc.</p> <p>The rate shall be inclusive of taking permission from Collector/MCGM or any other authorities beyond MCGM limit for the dumping place in consultation with the Municipal and/or other Local Authorities &amp; Debris Management Cell. Contractor should ensure that this disposal cause no nuisance to the residents of town. Disposal is at the risk and cost of the Contractor. From existing ground level to a depth of 3 m</p>	5	M3		0

4	Providing and filling well graded excava Providing and filling well graded excavated earth suitable for backfill including compacting in layers of 300mm with mechanical equipments to achieve a proctor density of 95% etc., complete as directed by the Engineer.	20	M3		0
5	Providing & laying dry trap granite Providing & laying dry trap granite/quartzite/gneiss/rubble stone soling with maximum 230mm size hard stone set in regular lines, hand packed and interstices thoroughly filled with small chips including filling in with good quality murum and compacted with 8 to 10 tonne rollers and spreading 12mm thick layer of grit on top, etc. complete in all aspects as directed by the Engineer-in-Charge.	10	M3		0
6	P/L anti termite treatment "Supplying and Providing pre-constructional anti-termite treatment, and creating a chemical barrier, under and on sides of trenches, wall footings, top surface of plinth filling, including junction of wall and floor along the perimeter of building, with approved emulsifiable insecticides at the rates and concentrations as per IS.6313 (Part-II) and as directed by Engineer. (Treated plinth area of the building at ground floor only shall be measured) (Contractor to submit guarantee on Rs. 1000 stamp paper, guaranteeing against termite attack for a period of 5 years.)"	115	M2		0
7	Providing and laying Ready Mix Concrete, Providing and laying Ready Mix Concrete, M15 Grade using 20 mm downgraded aggregates below ground for blinding layer under R.C. foundation and bedding, bottom of pits, sumps, chambers, trenches, anchor blocks, rubble masonry and brick walls etc. as per drawing or as directed by the Engineer-in-Charge including vibrating, compacting, curing, shuttering if required, etc. complete.	8	M3		0
8	P/P RMC M30 grade for all shapes, at all levels above or below GLincluding admixtures if any, centering, shuttering, scaffolding, vibrating, compacting, curing, dewatering, levelling, cutouts, openings,finishing, removal of formwork, etc. complete, for all lead and lifts, to obtain class F1 finish with leak proof concrete as per specifications/drawings and as directed by the EICfor the following items (excluding reinforcement and structural steel):For RCC of Raft Foundation	100	M3		0

9	Supplying, Providing and placing in position reinforced cement concrete for following structure works including vibrating, curing, de-watering wherever necessary, providing construction joints, leaving cutouts/ pockets for placing of inserts/ embedments, etc., complete, including cost of providing wooden form work for all shapes (including scaffolding, centering, etc), but excluding the cost of providing reinforcement all as per specifications and as directed by the Engineer. Concrete grade M30 with 20mm downgraded coarse aggregates for: pedestal, column at all heights etc. (RMC only)	35	M3		0
10	P/P RMC of M30 grade for all shapes, at all levels above or below GL including admixtures if any, centering, shuttering, scaffolding, vibrating, compacting, curing, dewatering, levelling, cutouts, openings, finishing, removal of formwork, etc. complete, for all lead and lifts, to obtain class F1 finish with leak proof concrete as per specifications/drawings and as directed by the EIC for the following items (excluding reinforcement and structural steel): For RCC for Walls & slabs	85	M3		0
11	Supplying all materials, adding crystalline water proofing system for concrete works applicable for RCC raft, side walls of basement, cable trenches, tunnels, underground tanks, over head tanks, roof slabs, etc as per manufacturer's guidelines. Contractor to provide a leak proof warranty for a period of minimum 10 years for all the concrete waterproofing works covered under this item. (Note: Concrete will be paid as per BOQ issued with PO. This item is only for adding crystalline waterproofing compound	125	M3		0
12	Supply, Cleaning, cutting, bending, as per drawings and placing in position High yield strength deformed reinforcement bars conforming to IS: 1786 at all locations and levels including binding with soft annealed 18G black wire, etc. Complete as shown on drawings and as directed by the Engineer (No payment will be made for staper bar, layer pin, tie rods and other supports, binding wires, laps): For HYSD bars conforming to grade Fe 500 of IS 1786	19	MT		0
13	Supplying, cutting, fabricating & erecting MS anchor bolts, pipe sleeves, channels, angles, plates, rails, beams & all types of inserts in concrete members & placing them in position as specified on drgs at all locations & at all levels, etc. including two coats of approved oil paint over one coat of zinc phosphate primer with finishing coats of synthetic enamel paint to get desired finish over exposed surfaces, including scaffolding, preparation of surfaces, transporting, loading, unloading etc.	1	MT		0

14	Providing structural steel work in rolled / builtup sections fixed with connecting plates or angles, gussets, cleats, channels as per drawings including cutting, fabricating, hoisting, erecting at all levels and locations, fixing in position, making welded/bolted connections and with two coats of zinc phosphate primer (One shop coat and one site coat) and painting with finishing coats of synthetic enamel paint to get desired finish, including scaffolding, preparation of surfaces, transporting, loading, unloading etc. complete as directed by the Engineer-in-Charge.	16	MT		0
15	P/F rebars of RE 500 of Hilti 10 mm dia	10	No		0
16	Providing and fixing the rebars of RE 500 of Hilti at required locations and levels including drilling the hole, etc. complete as directed by the Engineer-in-Charge. 12 mm diam	10	No		0
17	Providing and fixing the rebars of RE 500 of Hilti at required locations and levels including drilling the hole, etc. complete as directed by the Engineer-in-Charge. 16 mm diam	10	No		0
18	Providing & fabricating & placing MS chequered plate - 8 mm thick, welding & gas cutting, drilling of hole, with own welding set, gas cutting set, gas, approved quality of welding electrode, drill machine, required for carrying out the entire work, the rate shall include supply & fixing of mild steel bolt, nut, washer & applying one coat of shalimar or any other approved make red oxide (primer) paint & two coat of approved synthetic enamel paint to all the exposed surfaces of steel	10	M2		0
19	Grouting of the bases of equipment / stanchions including anchor bolt pocket/ pipe sleeves etc. With premixed free flowing non-shrinking grout of the following strengths as per the manufacturer's instructions. Grout having a minimum strength of 45 N / mm <sup>2</sup>	1	M3		0
20	P/A Birla white putty, Mix Birla white wall care putty with clean water slowly to make paste. Continue the mixing for 10-15 minutes till a uniform paste is formed. Apply the first coat on already moistened wall surface. After drying of first coat of putty just rub the surface gently with wet sponge or rub the surface very gently with the putty blade in order to remove the loose particles. Allow the surface to dry for at least 3 hours and then apply second coat.	175	M2		0
21	Providing all the tools tackles, manpower and materials for laying IPS flooring in panels in m20 grade concrete as per line & level required, including finishing the surface and curing etc. Complete as directed with glass strips in panels of 2 x 2 feet for following thickness: average 50 mm thick	125	M2		0

22	<p>Providing &amp; fixing factory made white UN-Plasticized poly Vinyl chloride (UPVC) windows(FENESTA or Equivalent as approved by site in charge) at all levels made out of extruded three chambered profile frame with hermetically sealed double glazed glass customized in 56mm wide system ,all fittings and fixing at site and sealing the gaps etc. as per the designed and as directed by site in charge.</p>	5	M2		0
23	<p>CISE, anodised transparent or dyed to required shade according to IS: 1868.(Minimum coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including filling the gaps between opening and aluminium frame with silicon sealant or poly-sulphide sealant as directed necessary filling up of gaps at junctions at top bottom and sides with required PVC/ Neoprene felt with toughened glass etc. Aluminium sections shall be smooth rust free straight mitred and jointed mechanically wherever required including cleat angle Aluminium snap beading for glazing/ panelling CP brass/ stainless steel screws colour glass of st gobain or equivalent all complete as per architectural drawings and the directions of Engineer. Same as above but with 50 microns thk. powder coated i) Operable"</p>	20	M2		0
24	<p>Aluminium framed fixed window with 10 mm thick clear float glass and aluminium grill with all accessories and fittings complete, as per specifications.</p> <p>Providing, fabricating and installing in position Aluminium windows, ventilators, grills shall be made of AL sections (minimum average thickness 2.5mm), industrial grade, anodized (grade AC25, min. thickness 25 micron conforming to IS: 1868) or with polyester powder coating (Total DFT 50 microns conforming to IS: 13871) and shall be of approved make &amp; colour shade. All sections, fittings and fixtures shall be anodized (min. thickness of coating 20 micron). The window shutters shall be of clear float/ wired/ ground glass as per design/ functional requirements. The aluminium sections of Jindal or approved equivalent manufacturer and profiles complete in all respects including scaffolding, including sub-frames in tubular aluminium (having mill finish), outer frames, mullions, transoms, shutter frames, architrave, beading, wool pile, gaskets, heavy duty sliding gear, including cleats, screws, corner stiffening pieces, extra members for increasing wall thickness for fixing screws, together with fixing sub-frames to brickwork/ concrete using stainless steel expansion bolt/ fasteners, sealing perimeter of all units on exterior, as shown on drawings, glazing of approved make and quality and fixing frames to sub-frames with fasteners including stainless steel bolts, and where not available</p>	60	M2		0

	<p>providing and fixing structural connection from top of aluminium work to structural ceiling using aluminium framing or structural steel supports, complete with all accessories etc., including sub frame duly isolated from door/ window framework with 5 mm thick neoprene strip in recess formed in sub-frame, including providing and fixing of aluminium fittings and fixtures all as per specifications drawings and as directed complete in all respects: (All glazing work shall conform to IS: 1083 and IS: 3548).</p>				
25	<p>"Providing and fixing Anodized aluminium work for ventilators with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS: 1285, anodised transparent or dyed to required shade according to IS: 1868. (Minimum coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including filling the gaps between opening and aluminium frame with silicon sealant or poly-sulphide sealant as directed, necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ Neoprene felt, with toughened glass, etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ panelling, with figured glass louvers C P brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer. Same as above but with 50 microns thk.powder coated"</p>	35	M2		0
26	<p>Providing &amp; fixing SWR 160 mm dia PVC pipe type a with selfit ring at all height (including scaffolding up to 6m), rate shall be inclusive of man, material, tools, u clamp, wastage, cutting, bend &amp; tees wherever required, adhesive solution</p>	50	M		0
27	<p>Providing and fixing 15 mm thick black granite on window sill, staircase tread &amp; riser, 20 mm thick cement mortar 1:3 including polishing to exposed edges, cement float, filling joints with neat cement slurry mixed with pigment to match shade of marble, raking and finishing the joints with silicon sealant, curing, rubbing, polishing and cleaning complete at all levels 2nos in steps with minimum 50mm overlapping and maximum of 300mm width in combination.</p>	100	M		0
28	<p>SS pipes 304 mat finish /brush steel finish ss tabular handrailing consisting of double SS rail with top SS rail 1 mtr above floor level and pipe post including its own connecting plate at bottom spaced at not more than 2 mtrs with all necessary SS bends, SS tee joints, SS fixtures, SS fittings,100 mm x 6 mm ss toe guard excluding anchor fastener as directed as directed by engineer</p>	15	M		0

29	Prov.,Cutting&Fix,Pipe,HDPE,140mm Providing, cutting and fixing of pipe, material: high density polyethylene, diameter: 140 mm	10	M		0
30	Providing & applying silicone sealant of Dow / Dr. Fixit silicon sealant suitable for Aluminium to cement plaster surface	60	M		0
31	Prvov. & const. Brick masonry 230mm Providing all material and constructing brick masonry 230mm. Thick and above in cement mortar (1:5) using approved quality class 35 conforming to IS 1077 : 1992 table molded bricks, including scaffolding, curing, raking joints, etc. Complete as per specifications & drawings at all levels & locations.	15	M3		0
32	P/A external plaster 20mm Providing all materials and carrying out sand faced plaster 20 mm thick in two layers (first layer of 14 mm and second layer of 6 mm thickness) with waterproofing compound. Including bands drip molds in cement mortar 1:4 including scaffolding (the rates shall include provision for chicken mesh 230 mm wide at the junction of masonry with RCC	120	M2		0
33	Providing internal cement plaster 12 mm thick plain finish in single coat in cement mortar 1:4 with hacking, surface preparation, including curing, grooves at all levels, heights and location, including providing and fixing chicken mesh of 22 gauge, with about 15 cm. width of approved quality at the junction of reinforced cement concrete members and brick work.	160	M2		0
34	Providing internal cement plaster 6 mm thick to ceiling in a single coat in cement mortar 1:4 to rough/fair concrete surface, in all positions with hacking, surface preparation, including scaffolding, curing, grooves, bands, drip moulds, etc. complete.	125	M2		0
35	MAK&CUT CORE IN RCC WALL/SLAB,250MM Providing Core Cutting holes in concrete required for services (if not provided in drawing earlier during casting) of thickness not exceeding 300 mm including grouting the same in cement concrete 1:1:2 after positioning of service lines, bolts, holes, etc. of 160-200 mm diameter.	3	NO		0
36	Prov. Services of JCB breaker for breaking of PCC / RCC / rock, rate shall be inclusive of manpower, transportation, fuel charges, mobilization charges, operator charges. Rate will be for 8 working hours shift	2	SFT		0
37	Providing service for hiring of Ferrana meeting all the requirement of Tata power safety norm, rate should be quoted for 8 hrs shift	2	SFT		0
38	Brazing of Copper Conductor 0.2 mm Providing all material, tools and tackles, service for brazing of 0.2 copper conductor	30	NO		0

39	Laying Copper Conductor 0.2mm laying copper conductor,0.2mm, providing all tools & tackles for laying conductor in line as directed by EIC	100	M		0
40	P/A Acrylic Emulsion Interior Providing and applying emulsion primer along with anti fungus treatment as per requirement including filling up the crevices, cracks & holes with approved quality of painter's putty and making the surfaces smooth and finishing with two coats of approved quality paint at all heights with acrylic emulsion paint (internal quality) of first quality and of approved manufacturers and approved shades.	175	M2		0
41	P/A Acrylic Emulsion Exterior Providing and applying emulsion primer along with anti fungus treatment as per requirement including opening up of crevices, cracks & holes and making v grooves, and filling up with approved quality of crack filler and making the surfaces smooth and finishing with two coats of approved quality paint at all heights with acrylic emulsion paint (external quality) of first quality and of approved manufacturers and approved shades.	125	M2		0
42	PROVIDING ALL MATERIAL AND CARRYING OUT TWO COAT OF Oil bond distemper OF APPROVED MAKE OVER ONE COAT OF PRIMER on internal surface of building INCLUDING SCAFFOLDING AT ALL HEIGHT. And as directed by site in-charge.	125	M2		0
43	Providing , fixing, loading unloading , single Leaf 2 hrs fire resistant door with 44 mm shutter thickness, in fill honey comb core, doors shutter made of GI sheet of 0.9 mm thick and frame made of GI sheet of 1.3 mm thick with single rebate frame of 100 * 75 mm . Powder coated frame & shutter with 50-60 micron, including 6 mm thick fire rated glass panel for clear vision 200 * 300 mm, SS 304 fire rated ball bearing hinges , with panic bar single point, external trim, door closer & installation	5	M2		0
44	Providing and fixing mechanically operated rolling steel shutters fabricated from 18 gauge GI sheets with slide guides, bottom rail, brackets, door suspension shaft, housing box at operation arrangement, lock plates, locking arrangement, fixing bolts, pulling handles, hood, rolling arrangement and 2 coats of approved synthetic enamel paint over a coat of zinc primer complete.	12	M2		0
45	Prov. & fixing 3 mm thick FRP Chajja, plain at top side in required color & design, rate shall be inclusive of man, material, transportation, bracket of MS flat 20 * 5 mm @ maximum 1m c/c, fixing at site including scaffolding (up to 12 meter)	12	M2		0

46	Providing all tools, material & manpower for constructing of new earth pit incl Providing and laying of fine sand in layer in earthing pit, salt, coal, bentonite in earthing pit in layers & 8mm thickness MS plate above it. Rate shall include the cost of loading, transporting and unloading, shifting of material at the designated place & number painting on earth pit plate with synthetic enamel paint as directed by EIC. Size of earth pit as follows 1200 mm x 1200mm	10	EA		0
47	Supplying 3 m long marconite rod by casting marconite compound around 20 mm dia copper rod, rate shall be inclusive of man, material, tools, transportation and installation at site, rod must be free from visible cracks	10	EA		0
48	Providing Damp proof course, 75 mm thick with Cement Concrete grade M20 using 20 mm down graded aggregate with approved water proofing compound to proportion recommended by manufacturer including providing form work/side shuttering as required vibrating, curing etc complete.	5	M3		0
49	Supplying ,Providing 33 KV expoxy material and applying 3mm DFT epoxy resin floor coating of approved colour on the top of freshly laid concrete floor or over existing concrete floor as per manufacturer's specifications including applying approved primer before epoxy coating, all including surface preparation, repairing to construction joint, crack sealing, pothole ceiling, levelling , finishing , curing ,etc. with thickness check machine and should provide 5 Years warranty as per specification and provide Insulation certificate. Primer & Epoxy coating is to be done after checking moisture of surface with moisture meter and moisture meter reading should not exceed 20%	120	M2		0

50	<p>Providing and applying high performance epoxy based Poly Amide cured painting system of approved colour and shade consisting of Zinc silicate primer, intermediate (under) coat, finish coat and final finish coat including shot blast cleaning of steel surfaces to near white metal surface (Sa 2 1/2), to steel surface of all types shapes and sizes, at all levels, to achieve an even shade, including all labor, material, consumables equipment, handling, transportation, protection and cleaning, scaffolding, and staging, testing, etc., all complete, as per specifications, drawings and instructions of the ENGINEER.</p> <p>Extra over item above for Blast cleaning by shot blasting of steel surfaces to near white metal surface (Sa 2 1/2) and applying inorganic Zinc Silicate primer of minimum 75 micron (DFT), shall be of inorganic (Ethy) self curing high built (solid by volume minimum 60%) formulation as per BS : 5493 ( Inorganic Zinc rich systems), including touch up painting for the damaged surfaces of primer</p> <p>Applying intermediate (under) coat over inorganic Zinc Silicate primer, after erection of structure, consisting of minimum 75 micron DFT epoxy based Titanium dioxide / Micaceous iron oxide pigmented high performance (solid by volume 60%) epoxy coating as per BS : 5493 (two pack chemical resistant finishes) including touch up painting for the damaged surfaces of intermediate paint.</p> <p>Applying finish coat over intermediate (under) coat, consisting of minimum 75 micron DFT Epoxy based colour pigmented finish Poly Amide cured paint and Final finish coat with minimum 25 micron DFT Polyurethane colour pigmented finish paint (solid by volume 60%) as per BS: 5493 (two pack chemical resistant finishes), including final touch up painting for the damaged surfaces of Finish and Final Finish Paint</p>	16	MT		0
51	<p>Supplying, laying and fixing of 80mm thk PUFF panel of with 0.5mmTCT coloured coated GI sheeting system of 550 MPA yield strength with rockwool insulation of density 50kg/cum for roofing/caldding. The PUF sheet shall have Trapezoildal proofile sheet on top and plain sheet on the bottom side including all accessories such as ridge pieces, eaves, barge boards, expansion joint pieces, corner pieces, apron pieces, gutter, etc. with galvanised steel fasteners/bolts (of self-tapping type), seam, bolts and nuts GI Limpet washers and bitumen washers, etc. complete including cutting to shape and size required including necessary sealants, taping, flashing, etc. complete as per design and specifications &amp; colour as approved by OWNER, as specified on drawings at all locations and at all levels including scaffolding, preparation of surfaces, transporting, loading, unloading etc. complete as directed by the Engineer-in-Charge</p>	400	M2		0

	(Area measured as laid. No overlapping shall be paid. Bidder shall indicate the rate for laying and fixing).				
52	Providing and laying 50 mm thick heavy duty Ironite floor finish of 1mx1m panel size with Ironite hardener topping, under layer of 38 mm thick cement concrete of grade M25 and top layer of 12 mm thick metallic concrete of mix 1:2 (1 cement hardener mix : 2 stone aggregate 6 mm nominal size) by volume with metallic hardening compound of approved quality mixed as per manufacturer's recommendation including cement slurry, side shuttering, rounding off edges and glass strips of 12mm high x 5mm thick in required panels, etc. complete.	10	M2		0
53	Supply and fixing of Gutter made of Galvalume sheet material of minimum 0.6 mm thick to be considered for eave gutters. Laps of the GI Gutter shall be welded and joint shall be painted with zinc spray. Gutter shall be provided outside the cladding , color of gutter shall be same as cladding sheet and gutter shall be supported with GI Straps from the top. .	40	RM		0
54	Providing Flyash Block Masonry (Charbhuj Infrastructure make or equivalent make), 190 mm thick and above in cement mortar 1:5 (1 cement: 5 coarse sand) using best quality locally available flyash blocks having crushing strength of 50 Kg/sqcm and water absorption not more than 10%, in superstructure for walls, parapets, etc., at all levels, including scaffolding, curing, raking of joints, providing RCC transomes and mullions of grade M15 including shuttering, etc. complete. (reinforcement and concrete for transomes and mullions shall be paid separately in respective items)	35	M3		0
55	Providing & fixing RST / Hindustan make c class GI pipe of 65 mm, rate shall be inclusive of threading, coupling, tees, bends, clamping, laying at line & level	15	M		0
<b>Basic Price (INR)</b>					-
<b>GST @ 18%</b>					-
<b>All-inclusive Price (Incl GST)</b>					-

b) BOQ for Bhingari (Panvel) Location:

Price Bid Format_CC26SVP019_Construction of GIS building & Associated Civil work for 33 KV GIS at Tata Power Mahalaxmi & Bhingari (Panvel) RSS in Mumbai.					
Sr No	Item	Unit	Qty	Rate (INR)	Amount (INR)
1	<p>Excavation of soil 0 to 3m incl. MCGM permit.</p> <p>"Excavation manually below existing Ground Level for foundations, drains, compound wall and underground tanks or any other structure within the OWNER's Premises in ordinary earth, soft/weathered rock, which includes rock/boulders/slag/slate/laterite and gravel/ clay/ murrum of all kinds, rubble, concrete debris, scrap steel, clearing away vegetation trees of all girth, bushes, underground roots, stumps etc., including shoring, strutting and all safety provisions, by providing adequate slopes using hard barricading as per OWNER's standards including careful handling of underground utilities etc., including backfilling as directed by the Owner, stacking and multiple handling of earth within the OWNER's Premises and disposal of surplus earth beyond plot boundary in MCGM approved area etc. as directed by Engineer-in-charge, including dewatering, preparing the bed for foundation etc. Payment for earth works shall be on net plan area of PCC. No payment will be made for side slopes, working area etc.</p> <p>The rate shall be inclusive of taking permission from Collector/MCGM or any other authorities beyond MCGM limit for the dumping place in consultation with the Municipal and/or other Local Authorities &amp; Debris Management Cell. Contractor should ensure that this disposal cause no nuisance to the residents of town. Disposal is at the risk and cost of the Contractor.</p> <p>From existing ground level to a depth of 3 m"</p>	M3	150		0
2	<p>Providing all necessary tools tackles services etc for demolishing brick masonry of variable thickness with plaster and disposing off the debris to the approved dumping ground of municipal corporation area etc complete as per specifications and as directed by the engineer</p>	M3	5		0
3	<p>Providing all necessary tools tackles services etc for demolishing all types of RCC structures at floor level manually or by means of chipper breaker (exclusive of air compressor breaker / JCB breaker / Poclairn breaker) including transportation of debris, cutting of reinforcement, disposing salable scrap material to the tata power stores etc. Complete as per the requirement of drawing and as directed by the site-engineer and disposing of the debris to the outside company premises etc complete</p>	M3	5		0
4	<p>Providing all necessary tools tackles &amp; services for dismantling structural steel sections i.e. Angles / channels / beams / plates etc (not inclusive of ferrana / crane) &amp; returning the same to nearest tata power stores or designated place etc complete as directed</p>	MT	1		0

5	Providing and filling well graded excava Providing and filling well graded excavated earth suitable for backfill including compacting in layers of 300mm with mechanical equipments to achieve a proctor density of 95% etc., complete as directed by the Engineer.	M3	300		0
6	PRVD&LAYING,DRY RUBBLE SOLING Providing & laying dry rubble stone soling with maximum 230mm size hard stone set in regular lines, hand packed and interstices thoroughly filled with small chips including filling in with good quality murum/ metal stone and compacted with mechanical earth compactor and spreading 12mm thick layer of grit on top, etc. complete in all aspects as directed by the Engineer-in-Charge.	M3	80		0
7	P/L anti termite treatment "Supplying and Providing pre-constructional anti-termite treatment, and creating a chemical barrier, under and on sides of trenches, wall footings, top surface of plinth filling, including junction of wall and floor along the perimeter of building, with approved emulsifiable insecticides at the rates and concentrations as per IS.6313 (Part-II) and as directed by Engineer. (Treated plinth area of the building at ground floor only shall be measured) (Contractor to submit guarantee on Rs. 1000 stamp paper, guaranteeing against termite attack for a period of 5 years.)"	M2	220		0
8	Providing and laying Ready Mix Concrete, Providing and laying Ready Mix Concrete, M15 Grade using 20 mm downgraded aggregates below ground for blinding layer under R.C. foundation and bedding, bottom of pits, sumps, chambers, trenches, anchor blocks, rubble masonry and brick walls etc. as per drawing or as directed by the Engineer-in-Charge including vibrating, compacting, curing, shuttering if required, etc. complete.	M3	18		0
9	M-30 for Raft foundation P/P RMC M30 grade for all shapes, at all levels above or below GLincluding admixtures if any, centering, shuttering, scaffolding, vibrating, compacting, curing, dewatering, levelling, cutouts, openings,finishing, removal of formwork, etc. complete, for all lead and lifts, to obtain class F1 finish with leak proof concrete as per specifications/drawings and as directed by the EICfor the following items (excluding reinforcement and structural steel):For RCC of Raft Foundation	M3	12		0
10	Concrete M-30 Column Supplying, Providing and placing in position reinforced cement concrete for following structure works including vibrating, curing, de-watering wherever necessary, providing construction joints, leaving cutouts/ pockets for placing of inserts/ embedments, etc., complete, including cost of providing wooden form work for all shapes (including scaffolding, centering, etc), but excluding the cost of providing reinforcement all as per specifications and as directed by the Engineer.Concrete grade M30 with 20mm downgraded coarse aggregates for:pedestal,column at all heights etc. (RMC only)	M3	12		0

11	M-30 for walls/slabs/beam/Staircase P/P RMCof M30 grade for all shapes, at all levels above or below GL including admixtures if any, centering, shuttering, scaffolding, vibrating, compacting, curing, dewatering, levelling, cutouts, openings, finishing, removal of formwork, etc. complete, for all lead and lifts, to obtain class F1 finish with leak proof concrete as per specifications/drawings and as directed by the EIC for the following items (excluding reinforcement and structural steel):For RCC for Walls & slabs	M3	75		0
12	Supplying all materials, adding crystalline water proofing system for concrete works applicable for RCC raft, side walls of basement, cable trenches, tunnels, underground tanks, over head tanks, roof slabs, etc as per manufacturer's guidelines. Contractor to provide a leak proof warranty for a period of minimum 10 years for all the concrete waterproofing works covered under this item. (Note: Concrete will be paid as per BOQ issued with PO. This item is only for adding crystalline waterproofing compound	M3	25		0
13	CISE,HYSD bars conforming grade Fe500 Supply, Cleaning, cutting, bending, as per drawings and placing in position High yield strength deformed reinforcement bars conforming to IS: 1786 at all locations and levels including binding with soft annealed 18G black wire, etc. Complete as shown on drawings and as directed by the Engineer (No payment will be made for staper bar, layer pin, tie rods and other supports, binding wires, laps): For HYSD bars conforming to grade Fe 500 of IS 1786	MT	9		0
14	Supplying, C/F/E of M.S. anchor bolts Supply, Cleaning, cutting, bending, as per drawings and placing in position High yield strength deformed reinforcement bars conforming to IS: 1786 at all locations and levels including binding with soft annealed 18G black wire, etc. Complete as shown on drawings and as directed by the Engineer (No payment will be made for staper bar, layer pin, tie rods and other supports, binding wires, laps): For HYSD bars conforming to grade Fe 500 of IS 1786	MT	0.1		0
15	Providing & fabricating & placing MS chequered plate - 8 mm thick, welding & gas cutting, drilling of hole, with own welding set, gas cutting set, gas, approved quality of welding electrode, drill machine, required for carrying out the entire work, the rate shall include supply & fixing of mild steel bolt, nut, washer & applying one coat of shalimar or any other approved make red oxide (primer) paint & two coat of approved synthetic enamel paint to all the exposed surfaces of steel	M2	10		0

16	<p>Providing structural steel work in rolled / builtup sections fixed with connecting plates or angles, gussets, cleats, channels as per drawings including cutting, fabricating, hoisting, erecting at all levels and locations, fixing in position, making welded/bolted connections and with two coats of zinc phosphate primer (One shop coat and one site coat) and painting with finishing coats of synthetic enamel paint to get desired finish, including scaffolding, preparation of surfaces, transporting, loading, unloading etc. complete as directed by the Engineer-in-Charge.</p>	MT	6		0
17	<p>Providing and applying high performance epoxy based Poly Amide cured painting system of approved colour and shade consisting of Zinc silicate primer, intermediate (under) coat, finish coat and final finish coat including shot blast cleaning of steel surfaces to near white metal surface (Sa 21/2), to steel surface of all types shapes and sizes, at all levels, to achieve an even shade, including all labor, material, consumables equipment, handling, transportation, protection and cleaning, scaffolding, and staging, testing, etc., all complete, as per specifications, drawings and instructions of the ENGINEER.</p> <p>Extra over item above for Blast cleaning by shot blasting of steel surfaces to near white metal surface (Sa 21/2) and applying inorganic Zinc Silicate primer of minimum 75 micron (DFT), shall be of inorganic (Ethy) self curing high built (solid by volume minimum 60%) formulation as per BS : 5493 ( Inorganic Zinc rich systems), including touch up painting for the damaged surfaces of primer</p> <p>Applying intermediate (under) coat over inorganic Zinc Silicate primer, after erection of structure, consisting of minimum 75 micron DFT epoxy based Titanium dioxide / Micaceous iron oxide pigmented high performance (solid by volume 60%) epoxy coating as per BS : 5493 (two pack chemical resistant finishes) including touch up painting for the damaged surfaces of intermediate paint.</p> <p>Applying finish coat over intermediate (under) coat, consisting of minimum 75 micron DFT Epoxy based colour pigmented finish Poly Amide cured paint and Final finish coat with minimum 25 micron DFT Polyurethane colour pigmented finish paint (solid by volume 60%) as per BS: 5493 (two pack chemical resistant finishes), including final touch up painting for the damaged surfaces of Finish and Final Finish Paint</p>	MT	6		0
18	<p>P/f Puff sheet</p> <p>Providing and &amp; FIXING 50 mm thick 48 kg/cm<sup>3</sup> density glass wool rigid board for ROOFING as per approved make and colour including all tools and tackles, fixing including support at site etc. complete as directed by site in charge</p> <p>Plan area to be payable.</p> <p>Vendor to submit MTC for material brought.</p>	M2	400		0

19	Providing and fixing mechanically operated rolling steel shutters fabricated from 18 gauge GI sheets with slide guides, bottom rail, brackets, door suspension shaft, housing box at operation arrangement, lock plates, locking arrangement, fixing bolts, pulling handles, hood, rolling arrangement and 2 coats of approved synthetic enamel paint over a coat of zinc primer complete.	M2	10		0
20	P/F Aluminum powder coated door Providing and & FIXING 50 mm thick 48 kg/cm <sup>3</sup> density glass wool rigid board for ROOFING as per approved make and colour including all tools and tackles, fixing including support at site etc. complete as directed by site in charge Plan area to be payable. Vendor to submit MTC for material brought.	M2	2.5 2		0
21	P/L IPS flooring- 50 mm thick Providing all the tools tackles, manpower and materials for laying IPS flooring in panels in m20 grade concrete as per line & level required, including finishing the surface and curing etc. Complete as directed with glass strips in panels of 2 x 2 feet for following thickness: average 50 mm thick	M2	190		0
22	Galvalume Sheet gutters "P/S/E Galvalume plain Sheet gutters 0.3Mx0.3M & min 0.65mm th and above with stiffner& with hexa head self drilling screws of size no. 12-14 x 15 mm at every crest with EPDM washers and colour head to match colour of sheeting as per approved drgs, to be supplied by contractor including end laps as per spec and sealing of laps with silicon non-hardening type sealant and foam filler as per EICincluding all openings required as per drg, testing for leak etc. complete. laid for area. "	M	35		0
23	P/F UPVC windows Providing & fixing factory made white UN-Plasticized poly Vinyl chloride (UPVC) windows(FENESTA or Equivalent as approved by site in charge) at all levels made out ofextruded three chambered profile frame with hermetically sealed double glazed glass customized in 56mm wide system ,all fittings and fixing at site andsealing the gaps etc. as per the designed and as directed by site in charge.	M2	12		0
24	"Providing and fixing Anodized aluminium work for ventilators with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS: 1285, anodised transparent or dyed to required shade according to IS: 1868. (Minimum coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including filling the gaps between opening and aluminium frame with silicon sealant or poly-sulphide sealant as directed, necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ Neoprene felt, with toughened glass, etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ panelling, with figured glass louvers C P brass/ stainless steel screws, all complete as per architectural drawings and the directions of	M2	15		0

	Engineer. Same as above but with 50 microns thk.powder coated"				
25	Exhaust fan - 300 mm dia Providing & fixing exhaust fans at toilets. 300mm dia as per approved make like Crompton, Bajaj etc.	No	3		0
26	P/F Anodized Al partition Providing & fixing Al anodized partition made of 63 X 38 mm 14 gauge Jindal make sections, with buffing of all surfaces and installaion of 9 mm thick backelite sheet & 5 mm thick annealed (plain) glass wit clips, installed to line & level and as per required dimension	M2	36		0
27	P/F SWR 160mm PVC Pipe Type A Providing & fixing SWR 160 mm dia PVC pipe type a with selfit ring at all height (including scaffolding up to 6m), rate shall be inclusive of man, material, tools, u clamp, wastage, cutting, bend & tees wherever required, adhesive solution	M	30		0
28	P/L Granite for sill Providing and fixing 15 mm thick black granite on window sill, 20 mm thick cement mortar 1:3 including polishing to exposed edges, cement float, filling joints with neat cement slurry mixed with pigment to match shade of marble, raking and finishing the joints with silicon sealant, curing, rubbing, polishing and cleaning complete at all levels 2nos in steps with minimum 50mm overlapping and maximum of 300mm width in combination.	M	28		0
29	P/L polished Kota in treads Providing and laying polished kota of colour as approved by Owner having a minimum thickness of 20 mm in treads of steps and staircase in one piece with rounded nosing and 3 Nos of anti skid grooves on 1:4 cement mortar ( 1 cement : 4 course sand ) bedding to give an overall thickness of 50 mm including cement float, filling joints with neat cement slurry mixed with pigment to match shade of white marble , curing, rubbing, polishing and cleaning complete at all levels.	M2	16		0
30	P/L polished granite in treads Providing and laying polished granite of colour as approved by Owner having a minimum thickness of 20 mm in treads of steps and staircase in one piece with rounded nosing and 3 Nos of anti skid grooves on 1:4 cement mortar ( 1 cement : 4 course sand ) bedding to give an overall thickness of 50 mm including cement float, filling joints with neat cement slurry mixed with pigment to match shade of white marble , curing, rubbing, polishing and cleaning complete at all levels.	M2	16		0

31	P/L granite in floor Providing and laying granite in floor of quality and colour as approved by Owner having a minimum thickness of 20 mm in plain or diamond pattern on 1:4 cement mortar ( 1 cement : 4 course sand ) bedding to give an overall thickness of 50 mm including cement float, filling joints with neat cement slurry mixed with matching colour pigment, curing, rubbing, machine polishing and cleaning complete at all levels.	M2	18		0
32	PRVD/FIX KOTAH STONE SKIRT 20MM PROVIDING AND FIXING OF KOTAH STONE SKIRTING, THICKNESS: 20 MM, HALF TILE (MACHINE CUT AND MACHINE POLISHED) WITH NECESSARY CEMENT MORTAR BEDDING, FLOATING WITH MATCHING COLOUR CEMENT, CURING, MACHINE POLISHING, CLEANING ETC. COMPLETE	M2	15		0
33	P/F/E Tubular Handrail - SS 2 Rail SS pipes 304 mat finish /brush steel finish ss tabular handrailing consisting of double SS rail with top SS rail 1 mtr above floor level and pipe post including its own connecting plate at bottom spaced at not more than 2 mtrs with all necessary SS bends, SS tee joints, SS fixtures, SS fittings,100 mm x 6 mm ss toe guard excluding anchor fastener as directed as directed by engineer	M	25		0
34	P/F/E Tubular Handrail - SS 1 Rail SS pipes 304 mat finish /brush steel finish consisting of one SS rail and connecting with wall with all necessary SS bends, SS tee joints, SS fixtures, SS fittings, the assembly should be sturdy and with smooth surfaces at joints/ junctions. All SS sections, pipes etc to be supported with documents for the quality	M	15		0
35	Prov.,Cutting&Fix,Pipe,HDPE,140mm Providing, cutting and fixing of pipe, material: high density polyethylene, diameter: 140 mm	M	15		0
36	Prov./strech PVC coated chainlink Providing & stretching PVC coated chain link fencing of bare GI chain link of 8 gauge at all height, rate shall be inclusive of man, material, split pin, making hole in angle to receive pin, scaffolding up to 4 meter	M2	35		0
37	P/F/E MS Gate - Chainlink Providing & fabrication of MS gate in single / double leaf with ISA 65 x 65 x 6 mm angle frame, both side MS flat of 10 mm x 6 mm to hold chainlink, 9 gauge chainlink within frame and painted by 2 coats of synthetic enamel preceded by red oxide primer, including hinges, MS aldrop, welding, gas cutting, shifting with 200 meter lead	M2	12		0
38	P/F paver block - 80 mm Providing and fixing interlocking concrete paver blocks of 80mm thick. Concrete paver blocks shall be uniformly shaped (monolithic single layer precast concrete blocks) of specified color and pattern, placed on avg. Thickness of 45 mm river / crushed sand cushioning with proper compacting with mechanical compactor with the proper level, grade & camber etc. The side joints should be filled by M-20 grade concrete if required etc. Including all taxes, duties, octroi etc.the testing of paver block	M2	280		0

39	Silicon sealant - masonry to al Providing & applying silicone sealant of Dow / Dr. Fixit silicon sealant suitable for Aluminium to cement plaster surface	M	25		0
40	Prvov. & const. Brick masonry 230mm Providing all material and constructing brick masonry 230mm. Thick and above in cement mortar (1:5) using approved quality class 35 conforming to IS 1077 : 1992 table molded bricks, including scaffolding, curing, raking joints, etc. Complete as per specifications & drawings at all levels & locations.	M3	25		0
41	Providing internal cement plaster 6 mm thick to ceiling in a single coat in cement mortar 1:4 to rough/fair concrete surface, in all positions with hacking, surface preparation, including scaffolding, curing, grooves, bands, drip moulds, etc. complete.	M2	85		0
42	P/A Internal plaster 12 mm Providing internal cement plaster 12 mm thick plain finish in single coat in cement mortar 1:4 with hacking, surface preparation, including curing, grooves at all levels, heights and location, including providing and fixing chicken mesh of 22 gauge, with about 15 cm. width of approved quality at the junction of reinforced cement concrete members and brick work.	M2	140		0
43	P/A external plaster 20mm Providing all materials and carrying out sand faced plaster 20 mm thick in two layers (first layer of 14 mm and second layer of 6 mm thickness) with waterproofing compound. Including bands drip molds in cement mortar 1:4 including scaffolding (the rates shall include provision for chicken mesh 230 mm wide at the junction of masonry with RCC	M2	140		0
44	MAK&CUT CORE IN RCC WALL/SLAB,250MM Providing Core Cutting holes in concrete required for services (if not provided in drawing earlier during casting) of thickness not exceeding 300 mm including grouting the same in cement concrete 1:1:2 after positioning of service lines, bolts, holes, etc. of 160-200 mm diameter.	NO	15		0
45	Brazing of Copper Conductor 0.2 mm Providing all material, tools and tackles, service for brazing of 0.2 copper conductor	NO	150		0
46	Laying Copper Conductor 0.2mm laying copper conductor,0.2mm, providing all tools & tackles for laying conductor in line as directed by EIC	M	300		0
47	P/A Acrylic Emulsion Interior Providing and applying emulsion primer along with anti fungus treatment as per requirement including filling up the crevices, cracks & holes with approved quality of painter's putty and making the surfaces smooth and finishing with two coats of approved quality paint at all heights with acrylic emulsion paint (internal quality) of first quality and of approved manufacturers and approved shades.	M2	250		0

48	P/A Acrylic Emulsion Exterior Providing and applying emulsion primer along with anti fungus treatment as per requirement including opening up of crevices, cracks & holes and making v grooves, and filling up with approved quality of crack filler and making the surfaces smooth and finishing with two coats of approved quality paint at all heights with acrylic emulsion paint (external quality) of first quality and of approved manufacturers and approved shades.	M2	125		0
49	P/F fire rated door with panic bar Providing , fixing, loading unloading , single Leaf 2 hrs fire resistant door with 44 mm shutter thickness, in fill honey comb core, doors shutter made of GI sheet of 0.9 mm thick and frame made of GI sheet of 1.3 mm thick with single rebate frame of 100 * 75 mm . Powder coated frame & shutter with 50-60 micron, including 6 mm thick fire rated glass panel for clear vision 200 * 300 mm, SS 304 fire rated ball bearing hinges , with panic bar single point, external trim, door closer & installation	M2	10		0
50	P/F Antistatic false flooring-600mm Providing and fixing anti static false flooring with load bearing capacity of 1200 kg concentrated load and 2000 kg /sqm distributed load, of Unitle Everest or equivalent consisting of: stringers made out of die pressed channels 25x25x25 mm with two die pressed notches at the two ends to snap fit to the jack head-for 600 mm height	M2	16		0
51	P/F PVC false ceiling Providing & fixing PVC ceiling planks 7 to 10 mm thick, including providing and fixing of framework as spelled out in manufacturer catalogue. Quote shall include sealing off the ends, capping, all support systems, edges framing etc.	M2	16		0
52	P/F FRP chajja Prov. & fixing 3 mm thick FRP Chajja, plain at top side in required color & design, rate shall be inclusive of man, material, transportation, bracket of MS flat 20 * 5 mm @ maximum 1m c/c, fixing at site including scaffolding (up to 12 meter)	M2	25		0
53	Providing all tools, material & manpower for constructing of new earth pit incl Providing and laying of fine sand in layer in earthing pit, salt, coal, bentonite in earthing pit in layers & 8mm thickness MS plate above it. Rate shall include the cost of loading, transporting and unloading, shifting of material at the designated place & number painting on earth pit plate with synthetic enamel paint as directed by EIC. Size of earth pit as follows 1200 mm x 1200mm	EA	5		0
54	Supplying 3 m long marconite rod by casting marconite compound around 20 mm dia copper rod, rate shall be inclusive of man, material, tools, transportation and installation at site, rod must be free from visible cracks	EA	5		0
55	Providing Damp proof course, 75 mm thick with Cement Concrete grade M20 using 20 mm down graded aggregate with approved water proofing compound to proportion recommended by manufacturer including providing form work/side shuttering as required vibrating, curing etc	M3	5		0

	complete.				
56	Supplying ,Providing 33 KV epoxy material and applying 3mm DFT epoxy resin floor coating of approved colour on the top of freshly laid concrete floor or over existing concrete floor as per manufacturer's specifications including applying approved primer before epoxy coating, all including surface preparation, repairing to construction joint, crack sealing, pothole ceiling, levelling , finishing , curing ,etc. with thickness check machine and should provide 5 Years warranty as per specification and provide Insulation certificate. Primer & Epoxy coating is to be done after checking moisture of surface with moisture meter and moisture meter reading should not exceed 20%	M2	80		0
57	Providing & fixing RST / Hindustan make c class GI pipe of 65 mm, rate shall be inclusive of threading, coupling, tees, bends, clamping, laying at line & level	M	15		0
58	CISE, Providing & fixing HMPS door including tools and tackles required as specification and as directed by Site Engineer.	M2	30		0
<b>Basic Price (INR)</b>					-
<b>GST @ 18%</b>					-
<b>All-inclusive Price (Incl GST)</b>					-

**Note:** Above Quantities are tentative. Tata Power reserves the right to curtailed / enhance the quantities before the placement of Purchase Order.

It may be noted that all future correspondence will be strictly done only with Interested Vendors who have done the above steps (As mentioned in section "B") in time with Authorized Person, and only through Tata Power E-Tender System.

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