

**The Tata Power Company Limited Invites Tenders** through E-Tender Two-Part bidding process from interested bidders for the following Civil package required for its Transmission Division: -

**Procedure for Participating in Tender**

<b>Tender Enquiry No.</b>	<b>Work Description</b>	<b>EMD (Rs.)</b>	<b>Tender Participation Fee (Rs.)</b>	<b>Last date &amp; time for Payment of Tender Participation Fee*</b>
CC25TP037	Outline agreement of 2 years for Civil Works in transmission project, Mumbai operation area.	1,20,000 /-	2,000/-	1500 Hrs. Tuesday, 26 <sup>th</sup> August 2025

**\* 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.**

**Procedure for Participating in Tender. Following steps to be done before last date for purchase of tender,**

1. Interested bidder to refer to the Section C: "Pre-Qualification Requirement" (PQR).
2. Eligible and Interested Bidder to submit duly signed and stamped letter on Bidder's letterhead indicating,
  - a. Tender Enquiry number.
  - b. Name of authorized person.
  - c. Contact number.
  - d. e-mail id.
  - e. Details of submission of Tender Participation Fee.
3. Non-Refundable Tender Participation Fee, as indicated in table above, to be submitted in the form of Direct deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference number –

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

E-mail with necessary attachment of 1 and 2 above to be send to [tushar.patil@tatapower.com](mailto:tushar.patil@tatapower.com) & with copy to [vivek.mittal@tatapower.com](mailto:vivek.mittal@tatapower.com) before “Last date and time for Payment of Tender Participation Fee”.

Interested bidders to submit Tender Participation Fee and Authorization Letter before Last date and time as indicated above after which link from Tata Power E-Tender system (Ariba) will be shared for further communication and bid submission.

Please note all future correspondence regarding the tender, bid submission, bid submission date extension, Pre-bid query etc will happen only will be strictly done only with interested bidders who have done the above steps in time with Authorized Person only through Tata Power E-Tender system (Ariba). User manual to guide the bidders to submit the bid through e-Tender system (Ariba) is also enclosed.

No e-mail or verbal correspondence will be responded. All communication will be done strictly with the bidder who have done the above steps (Payment of tender fee and submission of letter with requisite details) to participate in the Tender.

Also, it may be strictly noted that once date of “Last date and time for Payment of Tender Participation Fee” is lapsed no Bidder will be sent link from Tata Power E-Tender System (Ariba). Without this link vendor will not be able to participate in the tender. Any last moment request to participate in tender will not be acknowledged.

Any payment of Tender Participation Fee / EMD by Bidder who have not done the pre-requisite within stipulated timeline will not be refunded.

Also, all future corrigendum's to the said tender, if any, will be informed on Tender section on website <https://www.tatapower.com>

**Earnest Money Deposit (EMD) is not to be submitted now and is required at a later stage along with tender submission in the form of Bank Guarantee and NEFT.**

Package Description: Outline agreement(OLA ) for Civil Works in transmission project , Mumbai operation area.					
Tender Reference No - CC25TP037					
Pre - Qualification Requirement (PQR) - Please note that the PQR is for information only and the documentary evidence to ascertain meeting of the requirement has to be submitted along with the bid and not along with the tender fee					
<b>To be filled up by Vendor</b>					
Sr No	Parameter	Tata Power Requirement	Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement	Vendor Submission against Tata Power PQR Requirement	Documents submitted by Vendor to ascertain meeting of Pre-Qualification Requirement
1	2	3	4	5	6
(A)	<b>Experience</b>	<p>☒☒Bidder along with selected sub vendors should have minimum 05 years' experience of civil works such as Civil maintenance works, RCC Repair works, Concreting works, structural steel work, Plumbing &amp; Carpentry works. Selected sub vendors (if any) will be subject to approval of Tata Power.</p> <p>☒Bidder must have experience of successfully completing a minimum of following civil works during the past 5 years as on the date of bid opening.</p> <ul style="list-style-type: none"> <li>•100 cubic meters of RCC / PCC works.</li> <li>•Structural Steel works of 20 MT</li> <li>•Brick works of 100 cubic meter</li> <li>•Tile works of at least 300 sq.m.</li> <li>•Experience for working in switchyard and operational area.</li> <li>•List of machinery</li> <li>•List of staff (engineers, safety engineers, supervisors)</li> <li>•Experience certificate issued by Agencies.</li> <li>•Certified scaffolders and material.</li> </ul>	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		
(B)	<b>ISO Certifications</b>	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.	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.		
(C)	<b>Commercial Capability</b>	Average annual turnover of the Vendor for last two financial years shall not be less than 100 lakhs for during last three years.	Profit and Loss Statements, Balance Sheet, Cash Flow Statements for the Three (3) preceding financial years duly audited and approved by Authorized Audit Firm / CA.		

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.

**BOQ\_CC25TP037\_Outline agreement of 2 years for Civil Works in transmission project, Mumbai operation area.**

Sr. No.	Item Description	Qty	Unit
1	<p>Excavation GR TO A DEPTH OF 3.00 M                      "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,</p>	50	M3
2	<p>Excav hard rockchiseling 0- 3m,MCGM                      "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. 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>	25	M3
3	<p>BACKFILLING OF EARTH IN LAYER, SIZE CONSOLIDATED: 230MM TO 150 MM, TRASPORTAION OF EARTH, SPREADING OF AVAILABLE GOOD QUALITY EARTH IN LAYERS SO AS TO ENSURE MAXIMUM THICKNESS OF EACH LAYER POST COMPACTION AS 200 MM, WATERING, COMPACTING WITH TAMPING/ HAND RAMMER COMPLETE AS PER INSTRUCTIONS OF ENGINEER INCARGE</p>	25	M3

4	SPREADING AND LAYING OF DRY RUBBLE SOLING, THICKNESS: 230 MM, WITH RUBBLE STONES AS AVAILABLE AT SITE & INCLUDING FILLING GAPS WITH SMALL CHIPS RAMMING WITH HAND RAMMER ETC, COMPLETE AS PER INSTRUCTIONS OF ENGINEER IN CHARGE. Note :- RUBBLE STONE WILL BE PROVIDED FREE OF COST FROM WITHIN SITE/ PREMISES.	5	M3
5	DEMOLISHING AND DISMANTLING OF PCC OF ANY THICKNESS, LEVELS & FOR ALL TYPE OF STRUCTURES, INCLUDING CUTTING OF REINFORCEMENT IN RCC STRUCTURES, MAINTAINING HOUSEKEEPING OF THE WORK AREA, DISPOSAL OF DEBRIS WITHIN 100 M USING PNEUMATIC EQUIPMENTS ETC.AND HAVE TO RETURN ALL USABLE ITEM BACK TO TATA POWER'S STORES BY PREPARING RFW COMPLETE INCLUDING TRANSPORTATION AND DISPOSAL OF MATERIAL AND AS PER INSTRUCTIONS OF ENGINEER IN CHARGE.	5	M3
6	DEMOLISHING AND DISMANTLING OF ANY THICKNESS, LEVEL & FOR ALL TYPE OF RCC STRUCTERES INCLUDING CUTTING OF REINFORCEMENT STEEL AND RETURNING THE SCRAP MATERIAL TO STORES, MAINTAINING HOUSEKEEPING OF THE WORK AREA, DISPOSAL OF DEBRIS WITHIN 100 M USING PNEUMATIC EQUIPMENTS ETC.AND HAVE TO RETURN ALL USABLE ITEM BACK TO TATA POWER'S STORES BY PREPARING RFW COMPLETE INCLUDING TRANSPORTATION AND DISPOSAL OF MATERIAL & TO COMPLETE IN ALL RESPECTS & AS PER INSTRUCTIONS OF ENGINEER IN CHARGE.	5	M3
7	DEMOLISHING OF UNCOURSED RANDOM STONE/ BRICK MASONARY OF ALL THICKNESS INCLUDES POINTING AND PLASTER FOR LEVELS & ALL TYPE OF STRUCTURES, INCLUDING CUTTING OF REINFORCEMENT IN RCC STRUCTURES, MAINTAINING HOUSEKEEPING, DISPOSAL OF DEBRIS WITHIN 100 M USING PNEUMATIC EQUIPMENTS ETC. AND HAVE TO RETURN ALL USABLE ITEM BACK TO TATA POWER'S STORES BY PREPARING RFW COMPLETE INCLUDING TRANSPORTATION AND DISPOSAL OF MATERIAL & TO COMPLETE THE WORK IN ALL RESPECTS & AS PER INSTRUCTIONS OF ENGINEER IN CHARGE	5	M3
8	SUPPLYING, PROVIDING AND LAYING IN POSITION PLAIN CEMENT CONCRETE, RMC M15 (USING MINIMUM CEMENT CONTENT: 300 KG/M3), LEVELLING COURSE/ FILL UNDER OR AROUND FOUNDATIONS PITS, SLABS ON GRADE, SUMPS, SOAK PITS AT ANY DEPTH WITH 40 MM DOWN GRADED COARSE AGGREGATES INCLUDING CURING, COMPACTING, DE-WATERING WHEREVER NECESSARY, PROVIDING MARINE PLYWOOD SHUTTERING FORM WORK WHEREVER REQUIRED & TO COMPLETE THE WORK IN ALL RESPECTS & AS PER INSTRCUTIONS OF ENGINEER INCHARGE.	25	M3

9	SUPPLYING, PROVIDING AND LAYING OF CONCRETE RCC M25 GRADE WITH 20MM DOWN AGGREGATE SHALL BE MACHINE MIXED, VIBRATED AND PLACED TO CORRECT LINE AND LEVEL, RATE INCLUDE STEEL/ PLAYWOOD FORMWORK, CURING AND PROVIDING ALL TOOLS & TACKLES, MAXIMUM SLUMP: 120 MM AND MAXIMUM 0.5 W/C, REINFORCEMENT STEEL WILL BE MEASURED & PAID SEPARATELY, NOTE: RCC IS RMC FROM APPROVED BATCHING PLANT OUTSIDE THE TATA POWER PREMISES.	25	M3
10	Providing and placing in position Ready Mix Concrete of M30 grade for all shapes, at all levels above or below ground 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 Engineer- in-Charge for the following items (excluding reinforcement and structural steel):Base raft, wall and tunnel with approved water proofing compound wall/ tunnel	5	M3
11	Provide,Fixing in position HYSD bar Reinforcement of pri make grade Fe500 conforming IS 1786 of various dia for RCC members at all levels,locations as per detailed design, dwgs ,schedules incl.cutting,bending,hooking the bars,chairs,spacers,lapping,binding with 16 SWG soft ann wires or tack weld and support as reqd, as directed by Engr,etc complete.500 MT (Payments will be only for reinforcement bars.No separate payment will be made for laps,chairs,wastage and binding wires, etc)	2.5	MT
12	PROVIDING AND CONSTRUCTING OF BRICK MASONRY IN SUB AND SUPER STRUCTURE AT ALL LEVELS & LOCATIONS, THICKNESS: 225 M IN CM 1: 4, CURING, RACKING OF JOINTS FOR PLASTERING OR POINTING COMPLETE. ALL MATERIAL WHATEVER REQUIRED FOR SUCCESSFUL COMPLETION OF WORK & AS DIRECTED BY ENGINEER INCHARGE. NOTE:- CEMENT CONSUMPTION 1.75 BAG/M3.	10	M3
13	PROVIDING & CONSTRUCTING OF SIPOREX BLOCK WALL OF APPROVED QUALITY, THICKNESS: 230 MM, IN CEMENT MORTAR 1:4 AT ALL HEIGHTS & LOCATIONS, CURING, RAKING JOINTS AS PER SPECIFICATIONS & DRAWINGS, INCLUDING ALL MATERIAL WHATEVER REQUIRED FOR SUCCESSFUL COMPLETION OF WORK & AS DIRECTED BY ENGINEER INCHARGE.	10	M3
14	PROVIDING SAND FACED PLASTER, THICKNESS: 20 MM IN TWO LAYERS, FIRST LAYER OF 14MM & SECOND LAYER OF 6 MM THICKNESS WITH WATERPROOFING COMPOUND INCLUDING B & S DRIP MOULDS IN CEMENT MORTAR 1:4 RATIO, FOR RCC, BRICK WORK, INCLUDING THE COST OF ALL MATERIAL & MANPOWER, TOOL & TACKLES, INCLUDING CURING, COMPLETE AS PER SPECIFICATIONS & AS PER INSTRUCTIONS OF ENGINEER INCHARGE.	150	M2

15	PROVIDING CEMENT PLASTER, THICKNESS: 12 MM, SMOOTH FINISHED CEMENT PLASTER BY USING CEMENT MORTAR OF 1:3 RATIO, FOR RCC, BRICK WORK, SIDES & UNDERSIDES OF THE SLABS, CANOPIES, CHAJJA WITH DRIP MOULDING, INCLUDING THE COST OF ALL MATERIAL & MANPOWER, TOOL & TACKLES, INCLUDING CURING, COMPLETE AS PER SPECIFICATIONS & AS PER INSTRUCTIONS OF ENGINEER INCHARGE	100	M2
16	PROVIDING AND LAYING OF IPS FLOORING, THICKNESS: 50 MM, INCLUDING ALL TOOL & TACKLE, INCLUDING THE COST OF MANPOWER AND APPROVED MATERIAL, PROVISION OF GLASS STRIPS IN PANELS SIZE: 2X2M, M20 GRADE CONCRETE INCLUDING FINISHING THE SURFACE, CURING ETC. COMPLETE WHATEVER REQUIRED FOR SUCCESSFULL COMPLETION OF WORK & AS PER INSTRUCTIONS OF ENGINEER INCHARGE.	25	M2
17	PROVIDING AND FIXING OF ANCHOR FASTENERS, DIAMETER: UPTO 16 MM, LENGTH: 100 MM, APPROVED MAKE INCLUDING DRILLING THE HOLES	15	EA
18	CISE, Providing core-cutting services to create 200mm circular holes of specified diameters upto 500 mm Depth through RCC slabs beams walls or Foundation using core cutting machines. The service includes marking cutting disposal of slurry/debris and finishing edges as required. The holes shall be smooth and accurate for structural installations. Rate includes equipment labor and water management.	2.5	NO
19	Providing ,supplying and laying 60mm thick precast concrete paver blocks having compressive strength not less than 35N/mm2 of approved, make, pattern, colour, over a layer of sand with necessary compaction etc complete at the locations shown in drawings including concrete kerbing wherever required all executed as per relevant IRC specifications and directions of the Engineer	50	M2
20	CISE, Providing and laying average 25mm thick hand dressed/ machine cut green polished kotah of approved quality, selected and sorted for uniform colour, in floor, otta and skirting etc. In required sizes up to 60 cm (finish) and as per design in normal pattern (square or rectangular) and residue as per drawing, including cement mortar 1:6 bedding up to 40 mm thickness, jointed with grey cement as specified, six or more than six coats of polishing (final polishing with oxalic acid & jute data) mirror finish surfaces with different grades of Emery and buffing with tin oxide, curing, finishing, repolishing (if required) as directed and up to the satisfaction of the Engineer-in-charge etc. complete, (NO WAXING WILL BE PERMITTED) and for all heights.	2.5	M2
21	Providing and laying in required position dado or skirting or risers of kota of quality and colour as approved by Owner having a minimum thickness of 25 mm on 12 mm (average) thick, 1:3 cement mortar ( 1 cement: 3 course sand) bedding including filling joints with neat cement slurry mixed with matching colour pigment, curing, rubbing, hand polishing and cleaning complete at all levels.	2.5	M2

22	<p>PROVIDING AND LAYING OF FINE SAND IN LAYER .RATE SHALL INCLUDES COMPACTING THE SAND AND PROVIDING ALL TOOLS,TACKLES,MATERIALS,MANPOWER, COST OF LOADING,TRANSPORTING ,UNLOADING ,LIFTING,SHIFTING AND PLACING THE SAND AT THE DESIGNATED PLACE AS DIRECTED BY EIC</p>	15	M3
23	<p>PROVIDING ON HIRE DIESEL, PETROL OR ELECTRICALLY OPERATED DEWATERING PUMPS WHILE CARRYING OUT CIVIL OR CABLE PULLING WORKS. THE RATE INCLUDES SUPPLYING FUEL, OPERATOR, DELIVERY /SUCTION HOSES OF REQUIRED LENGTH, TRANSPORTATION TO &amp; FROM SITE AS WELL AS SITE TO SITE, INCLUDING NECESSARY MAINTENANCE /CLEANING OF SUCTION VALVE, REPAIRS TO TORN /BROKEN HOSE PIPES, DRAINING INTO NEAREST MANHOLE ETC. COMPLETE., 15 HP</p>	1	MONT
24	<p>PROVIDING ON HIRE DIESEL, PETROL OR ELECTRICALLY OPERATED DEWATERING PUMPS WHILE CARRYING OUT CIVIL OR CABLE PULLING WORKS. THE RATE INCLUDES SUPPLYING FUEL, OPERATOR, DELIVERY /SUCTION HOSES OF REQUIRED LENGTH, TRANSPORTATION TO &amp; FROM SITE AS WELL AS SITE TO SITE, INCLUDING NECESSARY MAINTENANCE /CLEANING OF SUCTION VALVE, REPAIRS TO TORN /BROKEN HOSE PIPES, DRAINING INTO NEAREST MANHOLE ETC. COMPLETE., 5 HP</p>	1	MONT
25	<p>Providing and fixing of tubular h-frame scaffolding/ pipe coupling / modular cup lock scaffolding, material: steel, as per Tata power standards including covering it externally with nylon net and dismantling the same after completion of work, scaffolding material shall be in healthy condition and inspected before use by scaffolding inspector, additional information: payment will be made as per area of elevation</p>	25	M3
26	<p>Supply &amp; Fixing of Marine Ply 8'x4' (34kg)</p>	25	M2
27	<p>"Providing and fixing 600 mm x 600 mm x 12 mm thick Vitrified tiles of Nitco Cosmic Ultra Charge or equivalent / Kajaria / Johnson approved quality and shade in flooring and skirting, on a 20 mm thick bedding of 1:3 cement mortar and jointed with white/ coloured cement slurry, cutting of tiles to required size, cleaning, curing, etc. complete. for 600x600 "</p>	25	M2
28	<p>"Providing and fixing 10 mm thick Ceramic glossy finish tiles of Nitco / Kajaria alps blanco/ Sand Stone Blanco/ Johnson flutes jutes/ Serbia Copper/ Radiant Brown or equivalent approved quality and shade in dado on a 20 mm thick bedding of 1:3 cement mortar and jointed with white/ coloured cement slurry, cutting of tiles to required size, cleaning, curing, etc. complete. for 300x300" dado 300x300</p>	25	M2

29	CISE, Providing and fixing 12 mm thick polished black granite on sides of opening 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 granite, raking and finishing the joints with silicon sealant, curing, rubbing and cleaning complete at all levels.	25	M2
30	<p>Providing and laying integral cement based water proofing treatment with China Mosaic finish including preparation of surface as required for treatment of roofs, balconies, terraces, RC gutters, etc. consisting of following operations.</p> <p>(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/m<sup>2</sup> of cement admixed with proprietary water proofing compound conforming to IS: 2645 over the RCC slab including cleaning the surface before treatment.</p> <p>(b) Laying cement concrete using broken bricks/brick bats 25 mm to 100 mm size 50% of cement mortar 1:5 (1 cement:5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.</p> <p>(c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS: 2645.</p> <p>(d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement 4 coarse sand) admixed with proprietary water proofing compound conforming to IS: 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300 mm x 300 mm square where required or preparing the surface to receive tiles on it with Drip mould in cement mortar at the junction of plaster and parapet.</p> <p>(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. .</p> <p>(f) Finally finishing top with fixing assorted pieces of glazed tiles</p>	150	M2
31	Providing and applying three coats of acrylic emulsion (washable) external paint of Asian make ACE / Nerolac Suraksha / ICI Dulux Super Coat or approved equivalent with required shade over a coat of primer on all exterior surfaces at all levels, including making good the damaged and rough surface, cleaning, curing, all scaffolding, etc., complete as per manufacturer's specifications and as directed by the Engineer.	150	M2

32	MINERAL FIBRE grid FALSE CEILING of Saint Gobain or equivalent (600x600mm grid). Bidder to provide adequate steel sections (Channels, I or T sections) and hanger supports to cater to the false ceiling loads. Standard sections as spelled out in Saint Gobain or equivalent manufacturer catalogue to be provided. OWNER would check the design and adequacy and has the right to reject if found inadequate.	150	M2
33	Providing all materials and fixing monolithic Gypsum board FALSE CEILING conforming to IS 2095, at all heights and facia including providing and fixing of framework as spelled out in Saint Gobain or equivalent manufacturer catalogue. Bidder to provide adequate steel sections (Channels, I or T sections) and hanger supports to cater to the false ceiling loads. OWNER would check the design and adequacy and has the right to reject if found inadequate. Nothing extra shall be paid for making openings for AC grills, smoke detectors, electrical fixtures etc. The cutouts shall be provided with peremeter channel of adequate size of 0.5 mm thk. all around and shall be supported suitably. Verticle / inclined face shall be measured above 200 mm high only. For payment purpose false ceiling shall be measured in plan only	150	M2
34	Providing and fixing Anti static false flooring with load bearing capacity of 1200 kg concentrated load and 2000 kg /sqm distributed load, of Unitile 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.	100	M2
35	Provide,fix struct steel Provide structural steel work in rolled / builtup sections fixed with connecting plates or angles,gussets,cleats,channels as per dwgs incl cutting,fabricating,hoisting, erecting at all levels and locations,fixing in position,making welded/bolted connections,with 2 coats of zinc phosphate primer(One shop coat,one site coat) and paint with finishing coats of synth enamel paint to get desired finish.incl scaffold,preparation of surfaces,transporting,loading,unloading etc. complete as directed by Engr	2.5	MT

36	<p>Providing and laying brickbat coba for roof consisting of one part of cement, 2 parts of broken brickbats varying from 12 mm to 25 mm thick and one part of lime mortar (one part of lime to two parts of sand) as specified including preparing the surface by applying and grouting a slurry coat of neat cement using 2.75 kg/m<sup>2</sup> of cement admixed with proprietary water proofing compound conforming to IS: 2645 over the RCC slab including cleaning the surface before treatment, necessary watering, ramming, etc. all complete (Rate shall include wattas, finishing, etc.) (Thk/Depth upto 250mm.). All above operations to be done in order and as directed and specified by the Engineer-in-Charge. Contractor shall give 10 years guarantee on court fee stamp paper of Rs. 1000/-.</p>	50	M2
37	<p>Provide &amp; fix 2 hr rated fire doors by Shakti Met-Dor/Ahura Mazda or approved eq. single &amp; double shutter, door frames will be built into brick or block walls using corrugated TEE anchors not welded to frames (first fix). Frames may also be fixed on plastered openings with the help of Anchor Fasteners (second fix). Door frames must be supplied to knockdown form with butt joints for bolted assembly at site. Door leaves will be 46mm thk. fully flush, double skin door shell with Lock Seam joints at style edges. In-fill to give the required rigidity and effective acoustics &amp; thermal insulation. Vision glass will be provided in circular / square/ rectangular shape..Stainless steel ball bearing butt hinges 3mm thk. fixed flush to the frame &amp; shutter. Mortise sash lock:OZML-DL1-SS-55 with SS lever handles:make Zone:Model OMH-11L,Over head door closer - Model: NSK-6825,mortise dead bolt, mortise latch, panic device etc. to be provided as required. Concealed extended lever action flush bolts to be provided on top of the door to the leading style.The rate shall include all the necessary hardware,vision glasses,adhesive tapes &amp; silicon sealant complete as described above</p>	15	M2

38	<p>Providing and fixing hollow metal pressed section door made up of MS door frame, 150 x 65 x 1.25mm thick with single rebet, MS pad plates welded at all hinge and lock locations, MS frame spacers at 600 centre to centre, base ties 2 numbers, 25 x 25 x 3 mm MS angle, MS holdfast 300 x 25 x 6 mm at maximum 600mm centre to centre ( minimum 6 Nos), Neoprene bushings glued to frame with synthetic adhesive and shutter 45 mm thick flush welded fabricated with 2 outer skins of 1.25 mm thick MS sheet, 1mm thick steel sheet stiffners at 500mm centre to centre, 6mm thick MS flat along perimeter of shutter including 150 mm long heavy duty MS hinges at maximum 600 mm center to centre ( minimum 3 Nos for each shutter, iron oxidised 200 long tower bolt for each shutter, 300 long door handles- 2 Nos for each shutter, spring loaded door stopper for each shutter, concealed type lever lock with handle including one coat of red oxide primer and 2 coats of synthetic enamel paint, filling the hollows of door frame with CM 1:6, etc. complete for all lifts. For single shutter</p>	15	M2
39	<p>"Providing and fixing hollow metal pressed section door made up of MS door frame, 150 x 65 x 1.25mm thick with single rebet, MS pad plates welded at all hinge and lock locations, MS frame spacers at 600 centre to centre, base ties 2 numbers, 25 x 25 x 3 mm MS angle, MS holdfast 300 x 25 x 6 mm at maximum 600mm centre to centre ( minimum 6 Nos), Neoprene bushings glued to frame with synthetic adhesive and shutter 45 mm thick flush welded fabricated with 2 outer skins of 1.25 mm thick MS sheet, 1mm thick steel sheet stiffners at 500mm centre to centre, 6mm thick MS flat along perimeter of shutter including 150 mm long heavy duty MS hinges at maximum 600 mm center to centre ( minimum 3 Nos for each shutter, iron oxidised 200 long tower bolt for each shutter, 300 long door handles- 2 Nos for each shutter, spring loaded door stopper for each shutter, concealed type lever lock with handle including one coat of red oxide primer and 2 coats of synthetic enamel paint, filling the hollows of door frame with CM 1:6, etc. complete for all lifts. For single shutter Same as above but for double shutter with 25 x 45 x 3 mm angle welded to one shutter for beading at meeting point."</p>	7.5	M2

40	<p>"Providing and fixing Anodized aluminium work for windows 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, C P brass/ stainless steel screws, colour glass of st gobain or equivalent all complete as per architectural drawings and the directions of Engineer.</p> <p>Same as above but with 50 microns thk. powder coated iii) Fixed"</p>	25	M2
41	Same as above but i) Fixed window with openable pane	12.5	M2
42	providing & supply JCB on shift basis, shift duration 8 hours as per directed by TPC engg	7.5	SFT
43	Loading & Unloading of material with the use of farana with Proper required resources, Safety Measures, Tools, Tackle, etc.. Including Mapower charges	7.5	AU
44	<p>"Hiring Manlifter :</p> <p>Providing telescopic boom type hydraulic man lifter for carrying out activities at height for tree trimming works and civil services etc., in Tata Power premises as directed by engineer in charge. Following safety conditions to be fulfilled before mobilizing for the job :</p> <ol style="list-style-type: none"> <li>1. Manlifter operation shall be carried out by competent person pre approved by Tata Power.</li> <li>2. Only approved manlifter by Tata Power is allowed to work." </li></ol>	7.5	AU
45	Removal of existing paver blocks 60 - 80 mm thick & sand bedding and disposing outside tata power premises at designated local municipal authority dumping ground.	15	M2
46	CISE,Providing & Stretching chain link fencing (10 gauge) with 2" square on angle posts including fixing split pins etc. complete as directed at all Heights with synthetic enamel paint of approved make over one coat of primer. (Chain link shall be supplied by Contractor . Split pins shall be provided by contractor at his cost for all lifts).	60	M2
47	Providing services for Transportation of stub and its parts from one Location to another location by Truck TATA ACE including loading, unloading, lifting, etc completed as directed by Engineer Incharge	1.5	EA
48	Prov. Services for material shifting of any type of material in Tata magic or equivalent vehicle as approved by EIC, rate shall be quoted for one side travelling with max 4 workmen (for distance 30 to 50 kms)	1.5	SFT

49	"Providing and fixing of fully glazed glass door with minimum 12mm thick glass toughened by horizontal process of St. gobain, modi guard make.the door shall be frameless and including all necessary hardware such as using patch fittings, double action hydraulic heavy duty floor spring IS:6315, door handle on both sides including cost of cutting floors as required. All hardwares shall be of Godrej, Dorma, whatever necessary and required numbers to complete the job in all respect. as per the instruction of th	15	M2
50	Supplying, fabricating, transporting to site, loading, unloading etc. and erecting S.S. pipe removable/fixed type 1200 mm High with AISI 304 SATIN Polished steel with 50mm dia SS pipe as main runner and 25mm dia pipe at 3 levels along the running length, ss plate as toe guard with vertical pipes at maximum spacing of @1200mm c/c, the pipe to be 1.5mm thick, including stainless steel beading / stainless steel cleats / stainless steel fasteners, toe guard plate wherever specified; of grade SS:304,annealed ,pickled and polished to bright finish, in square / round shape, including all material, equipment, handling, transportation, cutting, bending, welding, fastening, preparation and checking of fabrication drawing, and getting the same approved, site fabrication,testing,etc.,all complete, as per specification,drawings,and instruction of the Engineer	30	M
51	Providing, fabricating and fixing in position SS Hand Rail along walls with SS Pipe 50 mm dia and min. 1.5mm thick wall with all necessary fitting as the main runner joined to 25mm dia SS pipe and vertical bracket 2mm thick held on to walls by means of fasteners base plates to be @ every 1000mm c/c etc. complete.	15	M
52	Providing and fixing U shape precast of size 300mm including all tools tackles.	5	M
53	Providing and fixing U shape precast of size 600mm x 600mm including jointing of drains with mortar 1:3 , lifting and shifting of materials..at all locations as directed engineer incharge.	5	M
54	Providing and fixing U shape precast of size 1200 mm x 1200mm including jointing of drains with mortar 1:3 , lifting and shifting of materials..at all locations as directed engineer incharge.	25	M
55	Additional One coat of paint in Operational Area. Providing and applying one finish coats of first quality Acrylic washable internal paint/acrylic distemper of approved colour and shade. Including scaffolding, patch repair, touch-up, preparing the surface to provide final finish coat. Complete as directed by Engineer-in-Charge.	100	M2
56	Providing and applying white cement based putty in two coats over all types of plasterd surfaces of walls ceiling beams columnsetc. to bring surface in plumb line and level, including making surface smooth, providing required grooves on top of skirting et. The cost shall include all labour, materilas, protecting adjoining surface, cleaning etc complete.Surface to be pre-wetted annd made free of any loose particles and stains etc. The cost shall include all labour, materilas, scaffolding, protecting adjoin	25	M2