

Tender Inviting Authority: SM (SKG) N/F

Name of Work:- R/M & upkeep of ITPO premises at Pragati Maidan during 2022-23.

SH :- Repairs to roofs, floors, walls etc of Electric Substations, AC plants, pump room and water tank behind Hall No. 11 & 12

Contract No:

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| Bidder Name : | | | | | | |
| PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) NOTE:- 1.The rates should be quoted inclusive of GST as applicable 2. The agency should file ECR against ESI & EPF for the individual workers engaged in ITPO & submit the same with bank certified copy, bill, wage sheet & attendance sheet etc. before payment. 3. Contractural Labour Act Registration if applicable. | | | | | | |
| NUMBER # | TEXT # | NUMBER # | TEXT # | NUMBER | NUMBER # | TEXT # |
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 1 | 2 | 4 | 5 | 6 | 54 | 55 |
| 1.00 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : a) 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) | 2 | cum | 7365.15 | 14730.00 | INR Fourteen Thousand Seven Hundred & Thirty Only |
| 2.00 | Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : a) With F.P.S.(non modular) bricks | 1 | cum | 8030.60 | 8031.00 | INR Eight Thousand &Thirty One Only |
| 3.00 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. A) Cement mortar 1:4 (1 cement :4 coarse sand) | 20 | Sqm | 1018.05 | 20361.00 | INR Twenty Thousand Three Hundred & Sixty One Only |
| 4.00 | Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. | 20 | Sqm | 86.45 | 1729.00 | INR One Thousand Seven Hundred & Twenty Nine Only |

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| 5.00 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. | 300 | kg | 78.20 | 23460.00 | INR Twenty Three Thousand Four Hundred & Sixty Only |
| 6.00 | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. a) Hot finished welded type tubes | 150 | kg | 154.90 | 23235.00 | INR Twenty Three Thousand Two Hundred & Thirty Five Only |
| 7.00 | Welding by gas or electric plant including transportation of plant at site etc. complete. | 3000 | cm | 3.40 | 10200.00 | INR Ten Thousand Two Hundred Only |
| 8.00 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. a) In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete | 250 | kg | 102.25 | 25563.00 | INR Twenty Five Thousand Five Hundred & Sixty Three Only |
| 9.00 | Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : a) In 75x75 mm deep chase | 100 | metre | 260.20 | 26020.00 | INR Twenty Six Thousand & Twenty Only |
| 10.00 | Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete. | 7 | each | 266.60 | 1866.00 | INR One Thousand Eight Hundred & Sixty Six Only |
| 11.00 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. a) 110 mm diameter | 10 | metre | 319.75 | 3198.00 | INR Three Thousand One Hundred & Ninety Eight Only |

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| 12.00 | Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 70 | sqm | 671.55 | 47009.00 | INR Forty Seven Thousand &Nine Only |
| 13.00 | 12 mm cement plaster of mix : a) 1:6 (1 cement: 6 fine sand) | 200 | sqm | 282.00 | 56400.00 | INR Fifty Six Thousand Four Hundred Only |
| 14.00 | 15 mm cement plaster on the rough side of single or half brick wall of mix : a) 1:6 (1 cement: 6 fine sand) | 200 | sqm | 324.30 | 64860.00 | INR Sixty Four Thousand Eight Hundred & Sixty Only |
| 15.00 | 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand). | 100 | sqm | 442.75 | 44275.00 | INR Forty Four Thousand Two Hundred & Seventy Five Only |
| 16.00 | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: a) Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm) | 10 | sqm | 1245.15 | 12452.00 | INR Twelve Thousand Four Hundred & Fifty Two Only |

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| 17.00 | Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : a) 3 mm thick | 600 | sqm | 534.10 | 320460.00 | INR Three Lakh Twenty Thousand Four Hundred & Sixty Only |
| 18.00 | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. | 6 | cum | 2928.10 | 17569.00 | INR Seventeen Thousand Five Hundred & Sixty Nine Only |
| 19.00 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | 300 | sqm | 45.05 | 13515.00 | INR Thirteen Thousand Five Hundred & Fifteen Only |
| 20.00 | Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : a) 15 mm dia nominal bore | 50 | metre | 485.20 | 24260.00 | INR Twenty Four Thousand Two Hundred & Sixty Only |
| 21.00 | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work a) 25 mm dia nominal bore | 30 | metre | 417.95 | 12539.00 | INR Twelve Thousand Five Hundred & Thirty Nine Only |
| 22.00 | Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : a) 25 to 40 mm nominal bore | 3 | each | 757.10 | 2271.00 | INR Two Thousand Two Hundred & Seventy One Only |
| 23.00 | Providing and fixing brass bib cock of approved quality : a) 15 mm nominal bore | 1 | each | 303.85 | 304.00 | INR Three Hundred & Four Only |

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| 24.00 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 25 mm nominal bore | 1 | each | 532.35 | 532.00 | INR Five Hundred & Thirty Two Only |
| 25.00 | Providing and fixing gun metal non- return valve of approved quality (screwed end) : 25 mm nominal bore a) Vertical | 1 | each | 573.50 | 574.00 | INR Five Hundred & Seventy Four Only |
| 26.01 | Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : a)15 mm nominal bore | 2 | each | 682.90 | 1366.00 | INR One Thousand Three Hundred & Sixty Six Only |
| 26.02 | a)25 mm nominal bore | 2 | each | 789.95 | 1580.00 | INR One Thousand Five Hundred & Eighty Only |
| 27.00 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | 5000 | per litre | 9.70 | 48500.00 | INR Forty Eight Thousand Five Hundred Only |
| 28.00 | Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. A) 25 mm nominal bore, 152 mm long, weighing not less than 440 gms | 5 | each | 459.40 | 2297.00 | INR Two Thousand Two Hundred & Ninety Seven Only |
| 29.00 | Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. A) 15 mm nominal bore with 45cm length | 10 | each | 107.90 | 1079.00 | INR One Thousand & Seventy Nine Only |
| 30.00 | Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc. | 65 | metre | 171.80 | 11167.00 | INR Eleven Thousand One Hundred & Sixty Seven Only |
| 31.00 | Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. a) Pre-laminated particle board with decorative lamination on both side | 25 | Sqm | 951.05 | 23776.00 | INR Twenty Three Thousand Seven Hundred & Seventy Six Only |

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| 32.00 | Grading roof for water proofing treatment with a) Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) | 15 | cum | 7510.75 | 112661.00 | INR One Lakh Twelve Thousand Six Hundred & Sixty One Only |
| 33.00 | Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works. | 50 | sqm | 285.00 | 14250.00 | INR Fourteen Thousand Two Hundred & Fifty Only |
| 34.00 | Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge a) 75mm average thickness | 120 | Sqm | 311.95 | 37434.00 | INR Thirty Seven Thousand Four Hundred & Thirty Four Only |
| 35.00 | Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. a) Bars upto 12 mm diameter | 180 | metre | 6.65 | 1197.00 | INR One Thousand One Hundred & Ninety Seven Only |

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|------------------------|--|---------------|--------|--------|-------------------|--|
| 36.00 | Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. A) Epoxy Bonding adhesive having coverage 2.20 Sqm/kg of approved make. | 100 | Sqm | 390.45 | 39045.00 | INR Thirty Nine Thousand &Forty Five Only |
| 37.00 | Shotcreting R.C.C. columns, beams and slabs etc. in layers with approved design mix concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10 mm maximum size in proportion as per design criteria] including the cost of centering and shuttering at edges and corners etc. as directed by Engineer- in-Charge Note: Rates shall include the providing necessary ground wires etc. The levelling gauges, if used, shall be paid for separately. Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument. a) 25mm thick in Grade M 25 with cement content not less than 330 kg per cum | 100 | Sqm | 678.15 | 67815.00 | INR Sixty Seven Thousand Eight Hundred & Fifteen Only |
| Total in Figures | | | | | 1137580.00 | INR Eleven Lakh Thirty Seven Thousand Five Hundred & Eighty Only |
| Quoted Rate in Figures | | | Select | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | |