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Percentage BoQ

Tender Inviting Authority: Senior Manager

Name of Work : R/M & upkeep of ITPO premises at Pragati Maidan during 2023-24

Sub-Head: Misc civil work like raising/ repair of road side berms, SW drains, footpath, manholes, boundary wall etc around Hall NO. 7 to 12A and at service road from Gate No. 10 to Gate No. 1

Contract No:

Bidder Name :						
<u>PRICE SCHEDULE</u> (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	53	55
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	40	cum	2007.10	80284.00	INR Eighty Thousand Two Hundred & Eighty Four Only
2	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	20	cum	286.85	5737.00	INR Five Thousand Seven Hundred & Thirty Seven Only
3	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	50	meter	417.35	20868.00	INR Twenty Thousand Eight Hundred & Sixty Eight Only
4	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil	70	cum	28.15	1971.00	INR One Thousand Nine Hundred & Seventy One Only
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	10	cum	7365.15	73652.00	INR Seventy Three Thousand Six Hundred & Fifty Two Only

6	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	50	cum	6050.65	302533.00	INR Three Lakh Two Thousand Five Hundred & Thirty Three Only
7	Centering and shuttering including strutting, propping etc. and removal of form work for : a) Foundations, footings, bases for columns	50	sqm	307.95	15398.00	INR Fifteen Thousand Three Hundred & Ninety Eight Only
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	190	Kg	89.65	17034.00	INR Seventeen Thousand & Thirty Four Only
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	30	cum	6658.25	199748.00	INR One Lakh Ninety Nine Thousand Seven Hundred & Forty Eight Only
10	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. sqm 2038.55	40	sqm	2038.55	81542.00	INR Eighty One Thousand Five Hundred & Forty Two Only
11	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	1200	sqm	294.35	353220.00	INR Three Lakh Fifty Three Thousand Two Hundred & Twenty Only
12	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :100 mm dia pipe	35	each	163.45	5721.00	INR Five Thousand Seven Hundred & Twenty One Only
13	Providing and fixing plain bend of required degree.100 mm dia Sand cast iron S&S as per IS - 1729	10	each	412.95	4130.00	INR Four Thousand One Hundred & Thirty Only
14	Providing and fixing collar :100 mm Sand cast iron S&S as per IS - 1729	10	each	399.60	3996.00	INR Three Thousand Nine Hundred & Ninety Six Only
15	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	50	each	549.65	27483.00	INR Twenty Seven Thousand Four Hundred & Eighty Three Only
16	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 300 mm diameter	90	meter	1774.50	159705.00	INR One Lakh Fifty Nine Thousand Seven Hundred & Five Only
17	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design : 300 mm diameter S.W. pipe	90	meter	1089.10	98019.00	INR Ninety Eight Thousand & Nineteen Only

18	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : (a) 0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	each	11886.45	47546.00	INR Forty Seven Thousand Five Hundred & Forty Six Only
19	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	750	sqm	951.00	713250.00	INR Seven Lakh Thirteen Thousand Two Hundred & Fifty Only
20	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	2000	sqm	108.65	217300.00	INR Two Lakh Seventeen Thousand Three Hundred Only
21	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost)	1400	sqm	362.30	507220.00	INR Five Lakh Seven Thousand Two Hundred & Twenty Only
22	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :19.26.4 Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	30	each	326.45	9794.00	INR Nine Thousand Seven Hundred & Ninety Four Only
23	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement: 4 coarse sand)	50	sqm	478.00	23900.00	INR Twenty Three Thousand Nine Hundred Only
24	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 300 mm dia. R.C.C. pipe	100	meter	902.05	90205.00	INR Ninety Thousand Two Hundred & Five Only
25	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.	1200	sqm	45.05	54060.00	INR Fifty Four Thousand & Sixty Only

26	<p>Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete.</p> <p>Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.</p> <p>All works upto plinth level</p> <p>Concrete of M25 grade with minimum cement content of 330 kg /cum</p>	60	cum	7997.30	479838.00	INR Four Lakh Seventy Nine Thousand Eight Hundred & Thirty Eight Only
27	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	350	metre	32.40	11340.00	INR Eleven Thousand Three Hundred & Forty Only
28	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	20	cum	8613.55	172271.00	INR One Lakh Seventy Two Thousand Two Hundred & Seventy One Only
29	<p>Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank</p> <p>body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any</p> <p>GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)</p>	500000	Litre	0.40	200000.00	INR Two Lakh Only
30	Welding by gas or electric plant including transportation of plant at site etc. complete.	2015	cm	3.40	6851.00	INR Six Thousand Eight Hundred & Fifty One Only

31	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. 10.25.1 In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	1900	kg	102.25	194275.00	INR One Lakh Ninety Four Thousand Two Hundred & Seventy Five Only
32.1	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush. Red sand stone	50	sqm	988.35	49418.00	INR Forty Nine Thousand Four Hundred & Eighteen Only
32.2	White sand stone	100	sqm	1017.80	101780.00	INR One Lakh One Thousand Seven Hundred & Eighty Only
33	Finishing walls with water proofing cement paint of required shade : (a) New work (Two or more coats applied @ 3.84 kg/10 sqm)	500	sqm	97.60	48800.00	INR Forty Eight Thousand Eight Hundred Only
34	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	1200	sqm	59.75	71700.00	INR Seventy One Thousand Seven Hundred Only
35	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	20000	sqm	14.50	290000.00	INR Two Lakh Ninety Thousand Only
36	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	5000	sqm	7.40	37000.00	INR Thirty Seven Thousand Only
37	Providing and filling in position bitumen mix filler of proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints.	50	100mtr/cm depth /cm with	224.00	11200.00	INR Eleven Thousand Two Hundred Only
38	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	150	sqm	390.45	58568.00	INR Fifty Eight Thousand Five Hundred & Sixty Eight Only
39	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge. a) Wooven PVC cloth	500	sqm	45.70	22850.00	INR Twenty Two Thousand Eight Hundred & Fifty Only
40	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 Engineerin- 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	200	sqm	678.15	135630.00	INR One Lakh Thirty Five Thousand Six Hundred & Thirty Only

41.1	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	100	metre	6.65	665.00	INR Six Hundred & Sixty Five Only
41.2	(b) Bars above 12 mm diameter	50	metre	13.35	668.00	INR Six Hundred & Sixty Eight Only
42.1	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) 50mm average thickness	150	sqm	211.55	31733.00	INR Thirty One Thousand Seven Hundred & Thirty Three Only
42.2	b) 25 mm average thickness	50	sqm	104.60	5230.00	INR Five Thousand Two Hundred & Thirty Only
43	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	100	each	121.95	12195.00	INR Twelve Thousand One Hundred & Ninety Five Only
44	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. Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	200	sqm	390.45	78090.00	INR Seventy Eight Thousand & Ninety Only
45	Providing, erecting, maintaining and removing temporary protective screens made out of specified fabric with all necessary fixing arrangement to ensure that it remains in position for the work duration as required by the Engineer-in-charge. 26.36.1 Wooven PVC cloth	500	sqm	45.70	22850.00	INR Twenty Two Thousand Eight Hundred & Fifty Only
46	Steel reinforcement for R.C.C. work ready to use "cut and bend" rebars of approved make from factory/workshop to construction site including placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	100	kg	83.15	8315.00	INR Eight Thousand Three Hundred & Fifteen Only
47	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	14	cum	8030.60	112428.00	INR One Lakh Twelve Thousand Four Hundred & Twenty Eight Only
48	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) : Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10 each 4290.35	25	each	4290.35	107259.00	INR One Lakh Seven Thousand Two Hundred & Fifty Nine Only

49	Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	20	each	326.45	6529.00	INR Six Thousand Five Hundred & Twenty Nine Only
50	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 600 x 750x 70 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge(MAKE K.K. OR EQU.)	50	each	791.00	39550.00	INR Thirty Nine Thousand Five Hundred & Fifty Only
51	Supply and stacking of the following material at store of Pragati madian i/c all leads , cartage etc. complete and as per the direction of engineer in charge a) Instant road repair bituminous premix pre- coated aggregate manufactured from 10mm, or down graded stone aggregate with 6% (+- 5%) binder content in air tight container/bage of 25 kg duly stiched required for repairing of potholes road cut etc as per manufacture specification complete	10000	kg	17.38	173800.00	INR One Lakh Seventy Three Thousand Eight Hundred Only
52	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	20	cum	219.35	4387.00	INR Four Thousand Three Hundred & Eighty Seven Only
Total in Figures					5609536.00	INR Fifty Six Lakh Nine Thousand Five Hundred & Thirty Six Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					