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Percentage BoQ

Tender Inviting Authority: SM(AKJ)

Name of Work: Construction of office accomodation out side Hall No.7D at Pragati Maidan during 2017-18

Contract No: 177/ITPO/MISC-ENGG/2017-18

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)

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	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	200	cum	125.95	**25190**	INR Twenty Five Thousand One Hundred & Ninety 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.	94	cum	166.4	**15642**	INR Fifteen Thousand Six Hundred & Forty Two 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	80	metre	225.45	**18036**	INR Eighteen Thousand &Thirty Six Only
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by rammin and watering, lead up to 50 m and lift upto 1.5 m.	50	cum	125.75	**6288**	INR Six Thousand Two Hundred & Eighty Eight Only
5	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	8	cum	917.75	**7342**	INR Seven Thousand Three Hundred & Forty Two Only
6	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil	210	1 sqm	13.95	**2930**	INR Two Thousand Nine Hundred & Thirty Only
7.1	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 : 4 graded stone aggregate 20 mm nominal size)	60	cum	5481.95	**328917.00**	INR Three Lakh Twenty Eight Thousand Nine Hundred & Seventeen Only
7.2	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)	97	cum	3959.7	**384091**	INR Three Lakh Eighty Four Thousand &Ninety One Only
8	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	22	sqm	320.25	**7046**	INR Seven Thousand &Forty Six Only
9	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	20	per 50 kg cement	47.95	**959**	INR Nine Hundred & Fifty Nine Only

10	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	90	sqm	450.35	**40532**	INR Forty Thousand Five Hundred & Thirty Two Only
11	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	20	cum	5772.65	**115453**	INR One Lakh Fifteen Thousand Four Hundred & Fifty Three Only
12	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	68	cum	7390.8	**502574**	INR Five Lakh Two Thousand Five Hundred & Seventy Four Only
13.1	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	150	sqm	422.3	**63345**	INR Sixty Three Thousand Three Hundred & Forty Five Only
13.2	Stairs, (excluding landings) except spiral-staircases	36	sqm	419.35	**15097**	INR Fifteen Thousand &Ninety Seven Only
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	8800	Kg	56.6	**498080**	INR Four Lakh Ninety Eight Thousand &Eighty Only
15	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Enginee in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	14	cum	7250.05	**101501**	INR One Lakh One Thousand Five Hundred & One Only
16	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)	44	cum	4751.65	**209073**	INR Two Lakh Nine Thousand &Seventy Three Only
17	Brick work 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 in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	104	cum	5582.85	**580616**	INR Five Lakh Eighty Thousand Six Hundred & Sixteen Only
18	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. Cement mortar 1:4 (1 cement :4 coarse sand)	130	sqm	684.2	**88946.00**	INR Eighty Eight Thousand Nine Hundred & Forty Six Only
19	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	130	sqm	56.85	**7391**	INR Seven Thousand Three Hundred & Ninety One Only

20	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab upto 0.50 sqm	4	sqm	3351.95	**13408**	INR Thirteen Thousand Four Hundred & Eight Only
21	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	5	metre	245.7	**1229**	INR One Thousand Two Hundred & Twenty Nine Only
22	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	1	metre	266.25	**266**	INR Two Hundred & Sixty Six Only
23	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	6	each	427.95	**2568**	INR Two Thousand Five Hundred & Sixty Eight Only
24	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete. 66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm	720	sqm	1309.65	**942948**	INR Nine Lakh Forty Two Thousand Nine Hundred & Forty Eight Only
25	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self taping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	140	metre	614.5	**86030**	INR Eighty Six Thousand &Thirty Only

26	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Decorative finish (wood grained finish)	62	sqm	3241.1	**200948**	INR Two Lakh Nine Hundred & Forty Eight Only
27	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.	7900	kg	67.6	**534040**	INR Five Lakh Thirty Four Thousand &Forty Only
28	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. Hot finished welded type tubes	11600	kg	90.25	**1046900**	INR Ten Lakh Forty Six Thousand Nine Hundred Only
29	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	900	kg	68	**61200**	INR Sixty One Thousand Two Hundred Only
30	Welding by gas or electric plant including transportation of plant at site etc. complete.	3000	cm	2.85	**8550**	INR Eight Thousand Five Hundred & Fifty Only
31.1	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. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	3000	kg	65.8	**197400**	INR One Lakh Ninety Seven Thousand Four Hundred Only
31.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1000	kg	85.95	**85950.00**	INR Eighty Five Thousand Nine Hundred & Fifty Only
32	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube	125	kg	92	**11500**	INR Eleven Thousand Five Hundred Only
33	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge. 10 x 120 mm	200	each	91.8	**18360**	INR Eighteen Thousand Three Hundred & Sixty Only
34	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	24	sqm	1158.1	**27794**	INR Twenty Seven Thousand Seven Hundred & Ninety Four Only

35	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.	12	sqm	1238.2	**14858**	INR Fourteen Thousand Eight Hundred & Fifty Eight Only
36	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	45	metre	84.85	**3818**	INR Three Thousand Eight Hundred & Eighteen Only
37	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	12	sqm	18.95	**227**	INR Two Hundred & Twenty Seven Only
38	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	300	sqm	744.8	**223440**	INR Two Lakh Twenty Three Thousand Four Hundred & Forty Only
39	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	1000	sqm	1119.4	**1119400**	INR Eleven Lakh Nineteen Thousand Four Hundred Only
40	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : Red sand stone slab 40 to 50 mm thick	530	sqm	560.05	**296827**	INR Two Lakh Ninety Six Thousand Eight Hundred & Twenty Seven Only
41	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 Engineer-in-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.	540	sqm	550.4	**297216**	INR Two Lakh Ninety Seven Thousand Two Hundred & Sixteen Only
42	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete : Gutter .(600 mm over all girth)	34	metre	833.05	**28324**	INR Twenty Eight Thousand Three Hundred & Twenty Four Only

43	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) o 0.79, with 50 mm resin bonded glass wool backing.	1020	sqm	1005.35	**1025457**	INR Ten Lakh Twenty Five Thousand Four Hundred & Fifty Seven Only
44	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	650	sqm	160.35	**104228**	INR One Lakh Four Thousand Two Hundred & Twenty Eight Only
45	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	650	sqm	185.2	**120380.00**	INR One Lakh Twenty Thousand Three Hundred & Eighty Only
46	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	510	sqm	143.8	**73338.00**	INR Seventy Three Thousand Three Hundred & Thirty Eight Only
47	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	2100	sqm	118.7	**249270**	INR Two Lakh Forty Nine Thousand Two Hundred & Seventy Only
48	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	2100	sqm	93.7	**196770**	INR One Lakh Ninety Six Thousand Seven Hundred & Seventy Only
49	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	650	sqm	96.05	**62433**	INR Sixty Two Thousand Four Hundred & Thirty Three Only
50	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	200	sqm	112.3	**22460**	INR Twenty Two Thousand Four Hundred & Sixty Only
51	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)	25	cum	997.05	**24926**	INR Twenty Four Thousand Nine Hundred & Twenty Six Only
52	Demolishing brick work manually/ by mechanical means including stacking of serviceabl material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	7	cum	842.75	**5899**	INR Five Thousand Eight Hundred & Ninety Nine Only

53	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2	each	3494.2	**6988**	INR Six Thousand Nine Hundred & Eighty Eight Only
54	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	2	each	3418.7	**6837**	INR Six Thousand Eight Hundred & Thirty Seven Only
55	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	2	each	4593.75	**9188**	INR Nine Thousand One Hundred & Eighty Eight Only
56	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS	2	each	11694.9	**23390**	INR Twenty Three Thousand Three Hundred & Ninety Only
57	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	6	each	2020.6	**12124**	INR Twelve Thousand One Hundred & Twenty Four Only
58	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510 mm bowl depth 200 mm	4	each	2476.6	**9906**	INR Nine Thousand Nine Hundred & Six Only
59	Providing and fixing toilet paper holder : C.P. brass	4	each	385.35	**1541**	INR One Thousand Five Hundred & Forty One Only
60.1	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	50	metre	862.8	**43140.00**	INR Forty Three Thousand One Hundred & Forty Only
60.2	75 mm diameter : Sand cast iron S&S pipe as per IS: 1729	20	metre	712.2	**14244**	INR Fourteen Thousand Two Hundred & Forty Four Only
61.1	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 : 75 mm dia pipe	30	each	72.95	**2189**	INR Two Thousand One Hundred & Eighty Nine Only
61.2	100 mm dia pipe	60	each	85.95	**5157**	INR Five Thousand One Hundred & Fifty Seven Only
62.1	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : For 100 mm dia pipe	10	each	167.35	**1674**	INR One Thousand Six Hundred & Seventy Four Only

62.2	For 75 mm dia pipe	10	each	165.05	**1651**	INR One Thousand Six Hundred & Fifty One Only
63.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729	12	each	340.75	**4089**	INR Four Thousand &Eighty Nine Only
63.2	75 mm dia Sand cast iron S&S as per IS - 1729	12	each	271.4	**3257**	INR Three Thousand Two Hundred & Fifty Seven Only
64.1	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	12	each	433.7	**5204**	INR Five Thousand Two Hundred & Four Only
64.2	75 mm dia Sand cast iron S&S as per IS -1729	12	each	219.15	**2630**	INR Two Thousand Six Hundred & Thirty Only
65.1	Providing and fixing heel rest sanitary bend 100 mm dia Sand cast iron S&S as per IS - 1729	2	each	317.55	**635**	INR Six Hundred & Thirty Five Only
65.2	75 mm dia Sand cast iron S&S as per IS - 1729	2	each	277.2	**554**	INR Five Hundred & Fifty Four Only
66.1	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete : 100x100x100x100 mm Sand cast iron S&S as per IS - 1729	3	each	686.85	**2061.00**	INR Two Thousand &Sixty One Only
66.2	75x75x75x75 mm Sand cast iron S&S as per IS - 1729	3	each	532.75	**1598**	INR One Thousand Five Hundred & Ninety Eight Only
67.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	15	each	309.95	**4649**	INR Four Thousand Six Hundred & Forty Nine Only
67.2	75 mm	15	each	263.6	**3954**	INR Three Thousand Nine Hundred & Fifty Four Only
68.1	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :	10	each	1034.45	**10345**	INR Ten Thousand Three Hundred & Forty Five Only
68.2	100 mm inlet and 75 mm outlet Sand cast iron S&S as per IS - 3989	10	each	1072.8	**10728**	INR Ten Thousand Seven Hundred & Twenty Eight Only
69.1	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) : 100 mm dia	10	metre	355.7	**3557**	INR Three Thousand Five Hundred & Fifty Seven Only
69.2	75 mm dia	6	metre	254.65	**1528**	INR One Thousand Five Hundred & Twenty Eight Only
70	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimun water seal, weighing not less than 260 gms	6	each	293.95	**1764**	INR One Thousand Seven Hundred & Sixty Four Only
71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	4	each	137.85	**551**	INR Five Hundred & Fifty One Only

72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	2	each	197.55	**395**	INR Three Hundred & Ninety Five Only
73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	2	each	390.2	**780**	INR Seven Hundred & Eighty Only
74	Providing and fixing PTMT urinal cock of approved quality and colour. 15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms	6	each	143.95	**864**	INR Eight Hundred & Sixty Four Only
75	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fitting with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.	70	metre	246.2	**17234.00**	INR Seventeen Thousand Two Hundred & Thirty Four Only
76	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall 25 mm dia nominal bore	90	metre	247.85	**22307**	INR Twenty Two Thousand Three Hundred & Seven Only
77	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 : 25 to 40 mm nominal bore	2	each	394.15	**788**	INR Seven Hundred & Eighty Eight Only
78	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	2	each	428.2	**856**	INR Eight Hundred & Fifty Six Only
79	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	2	each	331.95	**664.00**	INR Six Hundred & Sixty Four Only
80	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 25 mm nominal bore Horizontal	2	each	410.45	**821**	INR Eight Hundred & Twenty One Only
81	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main : 25 mm nominal bore	2	each	363.7	**727**	INR Seven Hundred & Twenty Seven Only
82	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	12	each	67.8	**814**	INR Eight Hundred & Fourteen Only

83	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	2	each	1195.35	**2391**	INR Two Thousand Three Hundred & Ninety One Only
84.1	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work : 15 mm diameter pipe	10	metre	9.95	**100**	INR One Hundred Only
84.2	25 mm diameter pipe	90	metre	15.5	**1395**	INR One Thousand Three Hundred & Ninety Five Only
85	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : 25 mm nominal bore	10	each	205.8	**2058**	INR Two Thousand &Fifty Eight Only
86	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISi : 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.	4000	per litre	7.25	**29000**	INR Twenty Nine Thousand Only
87	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	10	each	555.3	**5553**	INR Five Thousand Five Hundred & Fifty Three Only
88	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 15mm nominal bore	14	each	475.7	**6660**	INR Six Thousand Six Hundred & Sixty Only
89	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	10	each	219.2	**2192**	INR Two Thousand One Hundred & Ninety Two Only
90	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	10	each	209.25	**2093.00**	INR Two Thousand &Ninety Three Only
91	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	10	metre	93.85	**939**	INR Nine Hundred & Thirty Nine Only
92	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	15	metre	134.55	**2018**	INR Two Thousand &Eighteen Only
93	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 : 250 mm diameter	80	metre	692.5	**55400**	INR Fifty Five Thousand Four Hundred Only
94	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :	80	metre	1027	**82160**	INR Eighty Two Thousand One Hundred & Sixty Only
95	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	each	1602.4	**6410**	INR Six Thousand Four Hundred & Ten Only

96	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels 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 complete as per standard design : Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	each	22983.25	**114916**	INR One Lakh Fourteen Thousand Nine Hundred & Sixteen Only
97	Extra for depth for manholes :Size 120x90 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	metre	6850.7	**27403**	INR Twenty Seven Thousand Four Hundred & Three Only
98	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 250 to 300 mm diameter	2	each	463.45	**927**	INR Nine Hundred & Twenty Seven Only
99	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	8	each	4043.1	**32345**	INR Thirty Two Thousand Three Hundred & Forty Five Only
100	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	200	kg	384.5	**76900**	INR Seventy Six Thousand Nine Hundred Only
101	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	150	kg	444.9	**66735**	INR Sixty Six Thousand Seven Hundred & Thirty Five Only
102	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, 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. Pre-laminated particle board with decorative lamination on both sides	20	sqm	866.6	**17332**	INR Seventeen Thousand Three Hundred & Thirty Two Only
103	Providing and fixing glazing in aluminium door, window, ventilator shutters and partition etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of	125	sqm	1003.95	**125494.00**	INR One Lakh Twenty Five Thousand Four Hundred & Ninety Four Only

104	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	4	each	2054.4	**8218**	INR Eight Thousand Two Hundred & Eighteen Only
105	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	200	metre	62.45	**12490**	INR Twelve Thousand Four Hundred & Ninety Only
106	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 210 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium tubular handle bar	20	each	463.75	**9275**	INR Nine Thousand Two Hundred & Seventy Five Only
107	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Anodized (AC 15) aluminium	50	each	52	**2600**	INR Two Thousand Six Hundred Only
108	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge Anodized (AC 15) aluminium	22	each	62.5	**1375**	INR One Thousand Three Hundred & Seventy Five Only
109	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	20	sqm	505.9	**10118**	INR Ten Thousand One Hundred & Eighteen Only
110	Removal of building rubbish/mulba/mixed with earth, moorum etc. by mechenical transport frome Pragati Maidan to muncipal dumping ground i/c loading, unloading & stacking with all lift and beyond 50 m initial lead complete as per the direction of Engineer-in-charge.	100	cum	358.76	**35876.00**	INR Thirty Five Thousand Eight Hundred & Seventy Six Only
111	P/F wall to wall mirror of 5.5mm - 6.0mm thick complete with hard board ground fixing with rawl plug of approved design with CP brass screw and washers i/c rubber wood moulded beading all round mirror etc. complete and as per the direction of Engineer-in-charge.	8	Sqm	2470	**19760**	INR Nineteen Thousand Seven Hundred & Sixty Only
112	P/F C.P. brass extension nipple 40mm to 75mm length with C.P. brass back cape for bib cock/angle valve etc.of approved brand and manufacturers complete as per the direction of Engineer-in-charge. a) 15mm nominal bore.	24	Each	186.6	**4478**	INR Four Thousand Four Hundred & Seventy Eight Only
113	Making over head water storage tank connection with G.I. tank nipple i/c long thread, hexa/checknut, washer etc. complete as per the direction of Engineer-in-charge. a) 25mm nominal bore.	8	Each	499.45	**3996**	INR Three Thousand Nine Hundred & Ninety Six Only
12	**Note:** GST will be charge extra as applicable. The agency willl make arrangement for berigating construction area from exhibition area by providing agronet or sheet berigatting and no extra payment will made on account of this.					

Total in Figures				11137401.00	INR One Crore Eleven Lakh Thirty Seven Thousand Four Hundred & One Only
Quoted Rate in Figures		Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only				