

CGM/MUMBAI-SOUTH acting for and on behalf of The President of India invites E-Tenders against Tender No **MUM_EN_S_Works_654_2024** Closing Date/Time 21/06/2024 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Construction of miscellaneous Composite works (Civil & Electrical) such as S&T Building for LC, SSP, drain, wall, Road and other works incidental to completion of the project (works other than scope of CTP-11) between JNPT-Vaitarna in the jurisdiction of CGM office, DFCCIL, Mumbai South		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	21/06/2024 15:00	Date Time Of Uploading Tender	
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	73512639.49	Tendering Section	WORKS
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	517600.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	07/06/2024	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
Schedule A-All CPWD DSR Items							68830237.84	Above/Below/Par
1	2 1 1	6000.00	Sqm	129.85	779100.00	AT Par	779100.00	
	Description:- Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: All kinds of soil							
2	2 2 1	130.50	cum	395.30	51586.65	AT Par	51586.65	
	Description:- Earthwork by mechanical/manual means in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top- most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead up to 50m and lift up to 1.5 m :All kinds of soil							
	2 6 1	391.50	Sqm	177.50	69491.25	AT Par	69491.25	

3	Description:- Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.All kinds of soil						
	2 7 3	10.00	cum	1432.95	14329.50	AT Par	14329.50
4	Description:- 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.Hard rock (blasting prohibited)						
	2 7 1	1771.62	cum	498.90	883861.22	AT Par	883861.22
4	Description:- 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.Ordinary rock cum						
	2 8 1	2642.42	cum	260.30	687821.93	AT Par	687821.93
5	Description:- 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						
	2 2 5	119.96	cum	196.00	23512.16	AT Par	23512.16
6	Description:- 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 ramming and watering, lead up to 50 m and lift upto 1.5 m.						
	2 2 5 a	165.60	cum	700.50	116002.80	AT Par	116002.80
6	Description:- Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.						
	4 1 5	905.79	cum	7294.70	6607466.31	AT Par	6607466.31
7	Description:- "Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinthlevel : "1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)						
	5 9 1	1813.10	Sqm	392.15	711007.16	AT Par	711007.16
8	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for :Foundations, footings, bases for columns						
	5 9 2	245.00	Sqm	842.50	206412.50	AT Par	206412.50
8	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for :Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.						
	5 9 3	230.24	Sqm	927.25	213490.04	AT Par	213490.04
8	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for :Suspended floors, roofs, landings, balconies and access platform						
	5 9 5	489.78	Sqm	736.40	360673.99	AT Par	360673.99
8	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for :Lintels, beams, plinth beams, girders, bressumers and cantilevers						

9	5 2 2 A 6	37898.81	Kg	107.85	4087386.66	AT Par	4087386.66	
	Description:- Centering and shuttering including strutting, propping etc. and removal of form work for : Thermo-Mechanically Treated bars of grade Fe-500D or more							
10	5 3 3 1 1	301.39	cum	9504.75	2864636.60	AT Par	2864636.60	
	Description:- 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. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum							
10	5 3 3 1 2	187.50	cum	9655.70	1810443.75	AT Par	1810443.75	
	Description:- 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. All works upto plinth level Concrete of M30 grade with minimum cement content of 350 kg /cum							
10	5 3 3 1 3	23.63	cum	9806.70	231732.32	AT Par	231732.32	
	Description:- 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. All works upto plinth level Concrete of M35 grade with minimum cement content of 370 kg /cum							
10	5 3 3 2 1	144.94	cum	9860.40	1429166.38	AT Par	1429166.38	
	Description:- 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.All works above plinth and upto floor V levelConcrete of M25 grade with minimum cement content of 330 kg /cum							
	5 3 3 2 3	55.13	cum	10162.35	560250.36	AT Par	560250.36	

10	Description:- 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.All works above plinth and upto floor V level Concrete of M35 grade with minimum cement content of 370 kg /cum							
11	16 11	240.00	Sqm	883.15	211956.00	AT Par	211956.00	
	Description:- Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete							
12	20 2 1	66.00	Metre	2278.30	150367.80	AT Par	150367.80	
	Description:- Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by percussion drilling using Direct mud circulation (DMC) or Bailer and chisel technique by tripod and mechanical Winch Machine all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap). Note: Truck Mounted rotary/TMR/Tubewell boring machine shall not be used .450 mm dia piles							
13	6 38	45.00	cum	10195.45	458795.25	AT Par	458795.25	
	Description:- Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.							
14	26 68 1	977.61	cum	7387.25	7221849.47	AT Par	7221849.47	
	Description:- Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)							
15	26 69 1	689.26	cum	9844.65	6785523.46	AT Par	6785523.46	
	Description:- "Providing and laying factory made Precast concrete solid blocks of 200 mm thickness of grade M10 made of C&D waste from approved manufacturer in superstructure above plinth level up to floor V level:26.69.1 Cement mortar 1:6 (1 cement : 6 coarse sand)" Cement mortar 1:6 (1 cement : 6 coarse sand)							
16	13 2 1	7037.46	Sqm	399.45	2811113.40	AT Par	2811113.40	
	Description:- 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)							
17	13 11	497.00	Sqm	518.55	257719.35	AT Par	257719.35	
	Description:- "18 mm cement plaster in two coats underlayer 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)."							
18	13 26	200.00	Sqm	262.70	52540.00	AT Par	52540.00	
	Description:- Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.							

19	13 48 1	7437.46	Sqm	193.70	1440636.00	AT Par	1440636.00	
	Description:- Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm							
19	13 48 2	9.10	Sqm	176.25	1603.88	AT Par	1603.88	
	Description:- Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture							
20	13 52 1	150.00	Sqm	241.75	36262.50	AT Par	36262.50	
	Description:- "Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete" On steel works							
21	8 2 2 1	48.00	Sqm	5413.50	259848.00	AT Par	259848.00	
	Description:- Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm							
21	8 2 2 2	50.00	Sqm	5136.30	256815.00	AT Par	256815.00	
	Description:- Granite stone slab colour black, Cherry/Ruby red Area of slab over 0.50 sqm							
22	8 31	50.00	Sqm	1267.95	63397.50	AT Par	63397.50	
	Description:- Providing and fixing 1st 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.							
23	11 21 1 1	14.88	Sqm	1738.15	25863.67	AT Par	25863.67	
	Description:- Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete as per the direction of Engineer-in-Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand) with Acid and alkali resistant tile							
24	11 26 1	150.00	Sqm	1948.25	292237.50	AT Par	292237.50	
	Description:- 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							
25	11 37	9.00	Sqm	1096.55	9868.95	AT Par	9868.95	
	Description:- Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.							
	11 41 2	352.78	Sqm	1553.45	548026.09	AT Par	548026.09	

26	Description:- "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), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete."Size of Tile 600x600 mm						
27	9 1 1	0.20	cum	142949.70	28589.94	AT Par	28589.94
	Description:- Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).Second class teak wood						
28	9 7 8	5.04	Sqm	1800.45	9074.27	AT Par	9074.27
	Description:- Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading						
29	9 20 1	13.75	Sqm	3473.85	47765.44	AT Par	47765.44
	Description:- 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws						
30	9 63 2	8.00	Numbers	69.40	555.20	AT Par	555.20
	Description:- Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :200x10 mm						
31	9 66 1	5.00	Numbers	39.95	199.75	AT Par	199.75
	Description:- Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :125 mm						
32	9 68 1	4.00	Numbers	67.40	269.60	AT Par	269.60
	Description:- Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 300 mm weighing not less than 200 grams						
33	9 74 1	8.00	Numbers	441.60	3532.80	AT Par	3532.80
	Description:- Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :250x10 mm						
34	9 75 1	8.00	Numbers	322.20	2577.60	AT Par	2577.60
	Description:- Providing and fixing bright finished brass door latch with necessary screws etc. complete :300x16x5 mm						
35	9 76	23.00	Numbers	854.65	19656.95	AT Par	19656.95
	Description:- Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.						
36	9 77	4.00	Numbers	726.60	2906.40	AT Par	2906.40
	Description:- Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.						
37	9 92 1	12.00	Numbers	231.05	2772.60	AT Par	2772.60
	Description:- Providing and fixing chromium plated brass handles with necessary screws etc. complete:125 mm						
	9 97 5	17.00	Numbers	64.70	1099.90	AT Par	1099.90

38	Description:- Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :100x10 mm							
	9 100 2	32.00	Numbers	59.55	1905.60	AT Par	1905.60	
39	Description:- Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :100 mm							
	9 121	101.70	Metre	570.95	58065.62	AT Par	58065.62	
40	Description:- Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.							
	9 122 1	32.76	Sqm	3720.75	121891.77	AT Par	121891.77	
41	Description:- 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames							
	9 147A 5 3	6.75	Sqm	9888.35	66746.36	AT Par	66746.36	
42	Description:- Three track three panels sliding window with Alumninun channel for roller track, wool pile, nylon rollers with SS 304 body. Using R4 series with frame (115mm & above) x (45mm & above) and sash (44mm & above) x (55mm & above) with zinc alloy (ZAMAK) powder coated handle on two end panels along with multipoint locking system (height above 1.8m)							
	10 3	23.00	Sqm	11439.60	263110.80	AT Par	263110.80	
43	Description:- Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.							
	10 6 2	14.00	Sqm	3307.05	46298.70	AT Par	46298.70	
44	Description:- Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.80x1.20 mm M.S. laths with 1.20 mm thick top cover							
	21 1 1 1	200.00	Kg	495.05	99010.00	AT Par	99010.00	

45	<p>Description:- 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 Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</p>							
46	21 1 2 1	135.00	Kg	598.60	80811.00	AT Par	80811.00	
46	<p>Description:- 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) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)</p>							
47	21 3 1	22.50	Sqm	1176.80	26478.00	AT Par	26478.00	
47	<p>Description:- Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions 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 4.0 mm thickness (weight not less than 10kg/sqm)</p>							
48	22 7 1	90.00	Sqm	1684.60	151614.00	AT Par	151614.00	
48	<p>Description:- Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:With average thickness of 120 mm and minimum thickness at khurra as 65 mm.</p>							
49	17 1 1	7.00	Numbers	6767.40	47371.80	AT Par	47371.80	
49	<p>Description:- 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</p>							
50	17 4 2	2.00	Numbers	9612.40	19224.80	AT Par	19224.80	
50	<p>Description:- Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern</p>							
51	17 7 1	2.00	Numbers	2648.85	5297.70	AT Par	5297.70	
51	<p>Description:- 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 pair of 15 mm C.P. brass pillar taps</p>							
51	17 7 4	4.00	Numbers	1879.20	7516.80	AT Par	7516.80	

	Description:- 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 pair of 15 mm C.P. brass pillar tapsWhite Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap							
52	17 28 2 1	5.00	Numbers	119.55	597.75	AT Par	597.75	
	Description:- "Providing and fixing P.V.C. waste pipe for sink or wash basin includingP.V.C. waste fittings complete."Flexible pipe - 32 mm dia.							
53	17 32 2	2.00	Numbers	1361.80	2723.60	AT Par	2723.60	
	Description:- Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm							
54	17 35 1 1	25.00	Metre	1151.90	28797.50	AT Par	28797.50	
	Description:- Providing and fixing soil, waste and vent pipes : 100 mm diaSand cast iron S&S pipe as per IS: 1729							
55	17 69 2	4.00	Numbers	122.40	489.60	AT Par	489.60	
	Description:- Waste coupling 38 mm dia of 83 mmn length and 77mm breadth, weighing not less than 60 gms							
56	17 75	2.00	Numbers	107.20	214.40	AT Par	214.40	
	Description:- roviding and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.							
57	18 7 2	50.00	Metre	335.00	16750.00	AT Par	16750.00	
	Description:- "Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.Internal Works - Exposed on Wall"20 mm mominal dia Pipes							
58	18 9 9	30.00	Metre	3271.70	98151.00	AT Par	98151.00	
	Description:- "Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.External work"100 mm nominal dia Pipes							
59	18 10 3	200.00	Metre	551.70	110340.00	AT Par	110340.00	
	Description:- Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc25 mm dia nominal bore							
60	18 15 1	5.00	Numbers	353.25	1766.25	AT Par	1766.25	
	Description:- Providing and fixing brass bib cock of approved quality :15 mm nominal bore							
60	18 15 2	15.00	Numbers	379.20	5688.00	AT Par	5688.00	
	Description:- Providing and fixing brass bib cock of approved quality :20 mm nominal bore							

61	18 16 2	5.00	Numbers	379.20	1896.00	AT Par	1896.00	
	Description:- Providing and fixing brass stop cock of approved quality :15 mm nominal bore							
62	18 17 1	5.00	Numbers	622.40	3112.00	AT Par	3112.00	
	Description:- Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)25 mm nominal bore							
62	18 17 3	5.00	Numbers	826.10	4130.50	AT Par	4130.50	
	Description:- Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)40 mm nominal bore							
62	18 17 4	5.00	Numbers	1026.65	5133.25	AT Par	5133.25	
	Description:- Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)50 mm nominal bore							
63	18 18 2	5.00	Numbers	462.50	2312.50	AT Par	2312.50	
	Description:- Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :20 mm nominal bore							
63	18 18 3	5.00	Numbers	464.05	2320.25	AT Par	2320.25	
	Description:- Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :25 mm nominal bore							
64	18 48	20000.00	Litre	11.00	220000.00	AT Par	220000.00	
	Description:- 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.							
65	18 51 1	5.00	Numbers	798.95	3994.75	AT Par	3994.75	
	Description:- Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore							
66	18 52 1	5.00	Numbers	670.45	3352.25	AT Par	3352.25	
	Description:- Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore							
67	18 53 1	5.00	Numbers	574.30	2871.50	AT Par	2871.50	
	Description:- Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore							
68	2 31	7625.00	Sqm	17.60	134200.00	AT Par	134200.00	
	Description:- 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.							
69	16 1	6145.00	Sqm	218.90	1345140.50	AT Par	1345140.50	
	Description:- Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres							
	16 2	145.00	Sqm	24.85	3603.25	AT Par	3603.25	

70	Description:- Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).							
71	16 3 1	21.75	cum	2098.40	45640.20	AT Par	45640.20	
	Description:- Supplying and stacking at site.90 mm to 45 mm size stone aggregate							
71	16 3 2	21.75	cum	1636.05	35584.09	AT Par	35584.09	
	Description:- Supplying and stacking at site.63 mm to 45 mm size stone aggregate							
71	16 3 3	14.50	cum	1842.30	26713.35	AT Par	26713.35	
	Description:- Supplying and stacking at site.53 mm to 22.4 mm size stone aggregate							
71	16 3 7	10.88	cum	2247.75	24455.52	AT Par	24455.52	
	Description:- Supplying and stacking at site.Stone screening 11.2 mmn nominal size (Type B)							
72	16 4	83.38	cum	1046.95	87294.69	AT Par	87294.69	
	Description:- Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roler 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density							
73	16 8	21.75	cum	4148.65	90233.14	AT Par	90233.14	
	Description:- Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineerin- charge							
74	16 9	145.00	Sqm	33.30	4828.50	AT Par	4828.50	
	Description:- "Scarifying metalled (water-bound) road surface including disposal ofrubbish, lead upto 50 m and consolidation of the aggregate receivedfrom scarifying with power road roller of 8 to 10 tonne capacity"							
75	16 28 1	2250.00	Sqm	198.45	446512.50	AT Par	446512.50	
	Description:- Surface dressing one coat on new surface with bitumen of specified grade at a rate of 1.95 kg/sqm of surface area with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity , etc. completeUsing bitumen emulsion (minimum 50% bitumen contentRS grade conforming to IS : 8887)							
	16 43 2	43.50	cum	11098.45	482782.58	AT Par	482782.58	

76									<p>Description:- "Providing and laying design mix cement concrete of M-30 grade, inroads/ taxi tracks/ runways, using cement content as per designmix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately""Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer"</p>
	16 45	3000.00	Metre	5.30	15900.00	AT Par	15900.00		
77									<p>Description:- "Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)"</p>
	16 46	3000.00	Metre	8.65	25950.00	AT Par	25950.00		
78									<p>Description:- "Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge."Using grade 'A' sealing compound conforming to IS: 1834</p>
	16 54	135.00	cum	11129.55	1502489.25	AT Par	1502489.25		
79									<p>Description:- Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.</p>
	16 57	75.00	cum	12126.20	909465.00	AT Par	909465.00		
80									<p>Description:- Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.</p>
	16 78	898.75	cum	2784.00	2502120.00	AT Par	2502120.00		
81									

	Description:- Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30						
82	16 79	500.00	cum	2914.30	1457150.00	AT Par	1457150.00
	Description:- Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.						
83	12 41 1	25.00	Metre	248.80	6220.00	AT Par	6220.00
	Description:- 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.75 mm diameter						
83	12 41 2	50.00	Metre	377.40	18870.00	AT Par	18870.00
	Description:- 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.110 mm diameter						
84	12 42 5 2	3.00	Numbers	150.35	451.05	AT Par	451.05
	Description:- Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Bend 87.5 degrees 110 mm bend						
84	12 42 1 2	5.00	Numbers	136.15	680.75	AT Par	680.75
	Description:- Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Coupler 110 mm						
84	12 42 6 2	3.00	Numbers	131.85	395.55	AT Par	395.55
	Description:- Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Shoe (Plain) 110 mm Shoe						
85	18 11 1	200.00	Metre	580.45	116090.00	AT Par	116090.00
	Description:- "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 : "15 mm dia nominal bore						
85	18 11 2	200.00	Metre	635.20	127040.00	AT Par	127040.00

	Description:- "Providing and fixing G.I. Pipes complete with G.I. fittings and clamps,i/c making good the walls etc. concealed pipe, including paintingwith anti corrosive bitumastic paint, cutting chases and making goodthe wall : "20 mm dia nominal bore						
86	18 12 6	100.00	Metre	762.15	76215.00	AT Par	76215.00
	Description:- "Providing and fixing G.I. pipes complete withG.I. fittings including trenching and refilling etc."External work50 mm dia nominal bore						
87	18 57 1	10.00	Numbers	112.80	1128.00	AT Par	1128.00
	Description:- Providing and fixing PTMT, push cock of approved quality and colour. 15 mm nominal bore, 98 mm long, weighing not less than 75 gms						
88	18 59 1	4.00	Numbers	5748.80	22995.20	AT Par	22995.20
	Description:- Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 50 mm dia						
88	18 59 2	4.00	Numbers	6993.60	27974.40	AT Par	27974.40
	Description:- Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 80 mm dia						
89	18 60 1	2.00	Numbers	3627.65	7255.30	AT Par	7255.30
	Description:- Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :80 mm dia nominal bore						
90	18 62 1	10.00	Numbers	182.10	1821.00	AT Par	1821.00
	Description:- 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.15 mm nominal bore, 105 mm long, weighing not less than 138 gms						
91	18 73 10	400.00	Metre	19925.30	7970120.00	AT Par	7970120.00
	Description:- Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329 : 600 mm dia Ductile Iron Double Flanged						
92	19 1 2	50.00	Metre	695.80	34790.00	AT Par	34790.00
	Description:- 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 :150 mm diameter						
92	19 1 3	200.00	Metre	970.35	194070.00	AT Par	194070.00
	Description:- 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 :200 mm diameter						
93	19 2 3	200.00	Metre	1375.45	275090.00	AT Par	275090.00

				Description:- 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 : 200 mm diameter S.W. pipe				
94	19 6 7	200.00	Metre	2243.40	448680.00	AT Par	448680.00	
				Description:- 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 : 600 mm dia. R.C.C. pipe				
95	19 36	600.00	Metre	3934.75	2360850.00	AT Par	2360850.00	
				Description:- Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 600 mm dia RCC pipes.				
96	19 7 1 1	17.00	Numbers	12770.55	217099.35	AT Par	217099.35	
				Description:- Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 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 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5				
97	19 8 1 1	8.50	Metre	8825.40	75015.90	AT Par	75015.90	
				Description:- Extra for depth for manholes : Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5				
98	19 15 1	51.00	Numbers	544.70	27779.70	AT Par	27779.70	
				Description:- Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :With 20x20 mm square bar				
99	19 21 1	34.00	Numbers	810.45	27555.30	AT Par	27555.30	
				Description:- 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 100 to 250 mm diameter				
100	5 18 2	1.80	Sqm	1706.55	3071.79	AT Par	3071.79	
				Description:- Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.40 mm thick				
	9 48 2	60.00	Kg	238.35	14301.00	AT Par	14301.00	

101	Description:- Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to openings /wooden frames with rawl plugs screws etc						
102	9 128	5.40	Sqm	5207.45	28120.23	AT Par	28120.23
	Description:- Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.s. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).						
103	10 1	1500.00	Kg	117.35	176025.00	AT Par	176025.00
	Description:- Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.						
104	10 2	5800.00	Kg	133.70	775460.00	AT Par	775460.00
	Description:- 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.						
105	12 1 3	177.70	Sqm	1087.65	193275.40	AT Par	193275.40
	Description:- Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.0.63 mm thick with zinc coating not less than 275 gm/ m ²						
106	14 81	9.00	Numbers	288.10	2592.90	AT Par	2592.90
	Description:- Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge. each						
107	16 91 1	227.00	Sqm	1045.65	237362.55	AT Par	237362.55
	Description:- Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern						
108	Lump Sum				2000000.00	AT Par	2000000.00
	Description :- Miscellaneous items from DSR based on requirement for the completion of the work which are not covered above (LUMPSUM)						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-USSOR Items							374867.78	Above/Below/Par
109	98090	1771.71	Sqm	98.70	174867.78	AT Par	174867.78	
	Description:- Laying 80mm thick oversized stoneballast 75mm to 100mm gauge in soling of floors ,handpacked including handpacking, filling voids with sand and watering, ramming and leveling							
110	Lump Sum				200000.00	AT Par	200000.00	
	Description :- Miscellaneous items from USSOR based on requirement for the completion of the work which are not covered above (LUMPSUM)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
Schedule C-Electrical items							4307533.87	Above/Below/Par
111	NS 1	30.00	Numbers	1491.59	44747.70	AT Par	44747.70	
	Description:- Supply, erection, testing and commissioning of 1 x 18 W LED fitting with IP 66 complete with connection and necessary fixing arrangements as per site requirement.							
112	NS 2	12.00	Numbers	3224.13	38689.56	AT Par	38689.56	
	Description:- Supply, erection, testing and commissioning of 40 - 45 W LED outdoor lighting fitting with complete with all fixing arrangements.							
113	NS 3	12.00	Numbers	2368.46	28421.52	AT Par	28421.52	
	Description:- Supply, erection, testing and commissioning of 15 W LED Pit light fitting confirming to IP 67 watertight with complete sealed suitable to work in 24 V AC supply. The work also includes fixing of light fitting with wire mesh.							
114	NS 4	12.00	Numbers	9540.99	114491.88	AT Par	114491.88	
	Description:- Supply, erection, testing and commissioning of octagonal type street light pole, including foundation and other related works.							
115	NS 5	15.00	Numbers	2797.66	41964.90	AT Par	41964.90	
	Description:- Supply, erection, testing & commissioning of 48" sweep energy efficient BLDC ceiling fan with down rod, motor, etc. with necessary connection.							
116	NS 6	9.00	Numbers	2377.56	21398.04	AT Par	21398.04	
	Description:- Supply, erection, testing & commissioning of 12" metal body type exhaust fan complete with motor guard, cover, etc.							
117	NS 7	90.00	Numbers	725.22	65269.80	AT Par	65269.80	
	Description:- Wiring of the concealed Light/fan point with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.							
118	NS 8	36.00	Numbers	352.80	12700.80	AT Par	12700.80	
	Description:- Wiring of the concealed 5A/5-Pin Universal plug point on separate switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.							
119	NS 9	36.00	Numbers	62.19	2238.84	AT Par	2238.84	
	Description:- Wiring of the concealed 5A/5-Pin Universal plug point on switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.							
120	NS 10	15.00	Numbers	847.69	12715.35	AT Par	12715.35	

	Description:- Wiring of concealed 15 Amps 6 pin wall socket point complete on separate switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.						
121	NS 11	15.00	Numbers	743.94	11159.10	AT Par	11159.10
	Description:- Wiring of Concealed power point wiring complete with suitable rating DP MCB and copper conductor wires as per specification.						
122	NS 12	300.00	Numbers	116.80	35040.00	AT Par	35040.00
	Description:- Supply, laying, running fixing of following sizes of XLPE insulated, PVC sheathed, 1.1 KV grade cables shall be as per IS. (a) 4 core 16 sq.mm AL conductor, armoured						
123	NS 13	150.00	Numbers	203.54	30531.00	AT Par	30531.00
	Description:- Excavation of cable trench on CC flooring and making of trench of size 0.5 meter wide x 0.9 meter deep and recasting of flooring/ pit after laying of cable and RCC warning cover and refilling the trench.						
124	NS 14	300.00	Numbers	52.72	15816.00	AT Par	15816.00
	Description:- Excavation of cable trench of size 0.5 meter wide x 0.9 meter deep, laying of cable and RCC warning cover and refilling the trench.						
125	NS 15	900.00	Numbers	20.77	18693.00	AT Par	18693.00
	Description:- Supply and laying of RCC warning cover as per approved drawing.						
126	NS 16	75.00	Numbers	262.33	19674.75	AT Par	19674.75
	Description:- Supply and laying of RCC pipe of size 6" dia 2 meter long.						
127	NS 17	3.00	Numbers	3224.97	9674.91	AT Par	9674.91
	Description:- Supply, erection, testing and commissioning of 1-Ph SPN DB double metallic door type of 12 out ways with earthing terminal, busbars, neutral link, etc. MCB shall be installed in DIN comprising 40 Amps. DP MCB & 10 Amps x 4 Nos., 20 Amps x 4 Nos. SP, MCB as outgoing along with ELCB of 40 Amp. Ratings of MCBs can be modified as per actual site conditions.						
128	NS 18	12.00	Numbers	1547.35	18568.20	AT Par	18568.20
	Description:- Supply and erection of earthing G.I. pipe with cement concrete earth chamber, charcoal, salt, etc.						
129	NS 19	300.00	Numbers	191.86	57558.00	AT Par	57558.00
	Description:- Supply and laying of GI strip of 25 mm x 3 mm						
130	NS 20	36.00	Numbers	1633.55	58807.80	AT Par	58807.80
	Description:- Supply, erection, testing and commissioning of industrial type 2 x 20 W T8 LED fitting with Aluminium heat sink, 2 Nos. LED tubes of 20W each certified with LM 79 and LM 80 certificates. IP 66 complete with connection and necessary fixing arrangements as per site requirement.						
131	NS 21	1500.00	Metre	438.58	657870.00	AT Par	657870.00
	Description:- Supply, erection, testing and commissioning of 2 X 70 SQ.MM. Aluminium Conductor, XLPE Armoured Cable with accessories.						
132	NS 22	1500.00	Metre	889.23	1333845.00	AT Par	1333845.00
	Description:- Excavation of Cable trenching & filling the trench (1.1 mtr depth) in with sand, pebbles etc .after laying of the cable complete with RCC cover & cable markers, sand etc. as per Railway's requirement.						
133	NS 23	3.00	Numbers	53068.47	159205.41	AT Par	159205.41
	Description:- Supply, erection, testing and commissioning of Auto change over Panel at various level crossing gate in rating of 10KVA Auxillary Transformer						
	NS 24	3.00	Numbers	200000.00	600000.00	AT Par	600000.00

134	Description:- Augmentation and shifting of electric supply connection from old existing building to proposed new constructed building of Gate Lodge (LC-1), including shifting of energy meter, as per MSEDCL rules & regulations.						
	NS 25	10.00	Numbers	1491.59	14915.90	AT Par	14915.90
135	Description:- Supply, erection, testing and commissioning of 1 x 18 W LED fitting with IP 66 complete with connection and necessary fixing arrangements as per site requirement.						
	NS 26	2.00	Numbers	3224.13	6448.26	AT Par	6448.26
136	Description:- Supply, erection, testing and commissioning of 40 - 45 W LED outdoor lighting fitting with complete with all fixing arrangements.						
	NS 27	5.00	Numbers	2797.66	13988.30	AT Par	13988.30
137	Description:- Supply, erection, testing & commissioning of 48" sweep energy efficient BLDC ceiling fan with down rod, motor, etc. with necessary connection.						
	NS 28	2.00	Numbers	2377.56	4755.12	AT Par	4755.12
138	Description:- Supply, erection, testing & commissioning of 12" metal body type exhaust fan complete with motor guard, cover, etc.						
	NS 29	20.00	Numbers	725.22	14504.40	AT Par	14504.40
139	Description:- Wiring of the concealed Light/fan point with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.						
	NS 30	20.00	Numbers	352.80	7056.00	AT Par	7056.00
140	Description:- Wiring of the concealed 5A/5-Pin Universal plug point on separate switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.						
	NS 31	20.00	Numbers	62.19	1243.80	AT Par	1243.80
141	Description:- Wiring of the concealed 5A/5-Pin Universal plug point on switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.						
	NS 32	10.00	Numbers	847.69	8476.90	AT Par	8476.90
142	Description:- Wiring of concealed 16 Amps 5 pin wall socket point complete on separate switch board with all accessories and running earthing copper conductor as per standard practice. The switches shall be of modular type.						
	NS 33	10.00	Numbers	743.94	7439.40	AT Par	7439.40
143	Description:- Wiring of Concealed power point wiring complete with suitable rating DP MCB and copper conductor wires as per specification.						
	NS 34	100.00	Metre	116.80	11680.00	AT Par	11680.00
144	Description:- Supply, laying, running fixing of following sizes of XLPE insulated, PVC sheathed, 1.1 KV grade cables shall be as per IS. (a) 4 core 16 sq.mm AL conductor, armoured						
	NS 35	400.00	Metre	438.58	175432.00	AT Par	175432.00
145	Description:- Supply, erection, testing and commissioning of 2 X 70 SQ.MM. Aluminium Conductor, XLPE Armoured Cable with accessories.						
	NS 36	300.00	Metre	28.76	8628.00	AT Par	8628.00
146	Description:- Supply, fixing & laying of submain PVC concealed conduit submain wiring with 6.0 sq.mm. PVC insulated copper wire alongwith 2.5 sq.mm. tinned copper earth wire. (If required)						
	NS 37	50.00	Numbers	203.54	10177.00	AT Par	10177.00
147							

	Description:- Excavation of cable trench on CC flooring and making of trench of size 0.5 meter wide x 0.9 meter deep and recasting of flooring/ pit after laying of cable and RCC warning cover and refilling the trench.						
148	NS 38	400.00	Numbers	52.72	21088.00	AT Par	21088.00
	Description:- Excavation of cable trench of size 0.5 meter wide x 0.9 meter deep, laying of cable and RCC warning cover and refilling the trench.						
149	NS 39	50.00	Numbers	20.77	1038.50	AT Par	1038.50
	Description:- Supply and laying of RCC warning cover as per Sr.DEE (G)'s approved drawing.						
150	NS 40	3.00	Numbers	262.33	786.99	AT Par	786.99
	Description:- Supply and laying of RCC pipe of size 6" dia 2 meter long.						
151	NS 41	2.00	Numbers	3224.97	6449.94	AT Par	6449.94
	Description:- Supply, erection, testing and commissioning of 1-Ph SPN DB double metallic door type of 12 out ways with earthing terminal, busbars, neutral link, etc. MCB shall be installed in DIN comprising 40 Amps. DP MCB & 10 Amps x 4 Nos., 20 Amps x 4 Nos. SP, MCB as outgoing along with ELCB of 40 Amp.						
152	NS 42	2.00	Numbers	1547.35	3094.70	AT Par	3094.70
	Description:- Supply and erection of earthing G.I. pipe with cement concrete earth chamber, charcoal, salt, etc.						
153	NS 43	30.00	Numbers	191.86	5755.80	AT Par	5755.80
	Description:- Supply and laying of GI strip of 25 mm x 3 mm						
154	NS 44	6.00	Numbers	1633.55	9801.30	AT Par	9801.30
	Description:- Supply, erection, testing and commissioning of industrial type 2 x 20 W T8 LED fitting with Aluminium heat sink, 2 Nos. LED tubes of 20W each certified with LM 79 and LM 80 certificates. IP 66 complete with connection and necessary fixing arrangements as per site requirement.						
155	NS 45	400.00	Metre	889.23	355692.00	AT Par	355692.00
	Description:- Excavation of Cable trenching & filling the trench (1.1 mtr depth) in with sand, pebbles etc .after laying of the cable complete with RCC cover & cable markers, sand etc. as per Railway's requirement.						
156	NS 46	1.00	Numbers	210000.00	210000.00	AT Par	210000.00
	Description:- Augmentation and shifting of electric supply connection from ASS building/ MSEDCL to proposed new constructed building, including shifting of energy meter as per MSEDCL rules & regulations. (If agreed by CR)						

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Allowed (Mandatory)

5. COMPLIANCE

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per tender document	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
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1	TenderDocument.pdf	Tender Document
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Signed By: VIJAY NARAYAN VAJPAYEE

Designation : DYCPMCivil