

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC  
TENDER DOCUMENT**

Tender No: All-EN-WDFC-TMKC-24-25

Closing Date/Time: 27/06/2024 15:00

**GM/DFCCIL/AJMER** acting for and on behalf of The President of India invites E-Tenders against Tender No **All-EN-WDFC-TMKC-24-25** Closing Date/Time 27/06/2024 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**

<b>Name of Work</b>	Construction of Track Machine Knowledge Center in CGM DFCCIL Ajmer Office Campus.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	27/06/2024 15:00	<b>Date Time Of Uploading Tender</b>	05/06/2024 10:11
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	42610997.92	<b>Tendering Section</b>	TENDER
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	363100.00	<b>Validity of Offer ( Days)</b>	45
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	12 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	13/06/2024	<b>Are Joint Venture (JV) firms allowed to bid</b>	No
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A-CPWD-DSR-2021</b>							19685170.83	
1	Please see Item Breakup for details.				102725.00	AT Par	102725.00	
	<b>Description:-</b> 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.							
2	Please see Item Breakup for details.				71712.50	AT Par	71712.50	
	<b>Description:-</b> 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.							
3	225	500.00	cum	253.95	126975.00	AT Par	126975.00	
	<b>Description:-</b> 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 upto 50 m and lift upto 1.5 m.							
4	Please see Item Breakup for details.				32300.00	AT Par	32300.00	
	<b>Description:-</b> 2.35 "Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : " 2.35.1 Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:							
5	Please see Item Breakup for details.				349646.25	AT Par	349646.25	
	<b>Description:-</b> 4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.							
6	410	10.00	Sqm	370.85	3708.50	AT Par	3708.50	
	<b>Description:-</b> 4.10 "Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)."							
7	411	15.00	Sqm	452.25	6783.75	AT Par	6783.75	
	<b>Description:-</b> 4.11 Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 20mm nominal size).							

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8	412	106.00	Per bag of cement of 50kg	57.15	6057.90	AT Par	6057.90
	<b>Description:-</b> 4.12 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.						
9	413	40.00	Sqm	113.85	4554.00	AT Par	4554.00
	<b>Description:-</b> 4.13 "Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil."						
10	42011	12.00	cum	8033.20	96398.40	AT Par	96398.40
	<b>Description:-</b> 4.20.1.1 "M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)"						
11	53	60.00	cum	10719.30	643158.00	AT Par	643158.00
	<b>Description:-</b> 5.3 "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 1:1.5:3 (1 cement : 1.5 coarse sand (Zone-III) : 3 graded stone aggregate 20 mm nominal size)."						
12	Please see Item Breakup for details.				1577229.00	AT Par	1577229.00
	<b>Description:-</b> 5.33 "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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately)."						
13	535	350.00	Quintal	688.45	240957.50	AT Par	240957.50
	<b>Description:-</b> 5.35 "Add for using extra cement in the items of design mix over and above the specified cement content therein. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately."						
14	Please see Item Breakup for details.				860818.00	AT Par	860818.00
	<b>Description:-</b> 5.9 Centering and shuttering including strutting, propping etc. and removal of form for :						
15	522	22000.00	Kg	89.65	1972300.00	AT Par	1972300.00
	<b>Description:-</b> 5.22 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 5.226 Thermo-Mechanically Treated bars of grade Fe-500D or more.						
16	Please see Item Breakup for details.				1864310.00	AT Par	1864310.00
	<b>Description:-</b> 6.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
17	Please see Item Breakup for details.				125677.50	AT Par	125677.50
	<b>Description:-</b> 6.12 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :						
18	Please see Item Breakup for details.				101805.00	AT Par	101805.00
	<b>Description:-</b> 6.13 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.						
19	615	40.00	Sqm	86.45	3458.00	AT Par	3458.00
	<b>Description:-</b> 6.15 Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.						
20	638	65.00	cum	8890.80	577902.00	AT Par	577902.00
	<b>Description:-</b> 6.38 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.						
21	65	30.00	cum	142.00	4260.00	AT Par	4260.00
	<b>Description:-</b> 6.5 Extra for brick work / AAC block masonry / Tile brick masonry in superstructure above floor V level, for each four floors or part thereof by mechanical means.						
	Please see Item Breakup for details.				5567370.00	AT Par	5567370.00

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22	<b>Description:-</b> 8.11 "Providing and fixing machine cut, mirror/ eggshell polished, Marble stone work for wall lining (vener work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge."					
	Please see Item Breakup for details.	630568.12	AT Par	630568.12		
23	<b>Description:-</b> 8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolihsed, 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 (a 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. 8.2.2 Granite stone slab of colour black, Cherry/Ruby red					
	Please see Item Breakup for details.	1158145.00	AT Par	1158145.00		
24	<b>Description:-</b> 11.51 "Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge."					
	Please see Item Breakup for details.	390880.00	AT Par	390880.00		
25	<b>Description:-</b> 11.56 "Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge."					
	Please see Item Breakup for details.	181490.00	AT Par	181490.00		
26	<b>Description:-</b> 16.87 "Providing and laying gang saw cut 30 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge."					
	Please see Item Breakup for details.	17143.00	AT Par	17143.00		
27	<b>Description:-</b> 8.3 "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."					
	85	128.00	Each	808.15	103443.20	AT Par 103443.20
28	<b>Description:-</b> 8.5 "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."					
	Please see Item Breakup for details.	187485.00	AT Par	187485.00		
29	<b>Description:-</b> 8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).					
	Please see Item Breakup for details.	263970.00	AT Par	263970.00		
30	<b>Description:-</b> 11.46 "Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete."					
	Please see Item Breakup for details.	170660.00	AT Par	170660.00		
31	<b>Description:-</b> 11.26 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) :					
	831	245.00	Sqm	1063.45	260545.25	AT Par 260545.25
32	<b>Description:-</b> 8.31 "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."					
	Please see Item Breakup for details.	204156.00	AT Par	204156.00		

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33	<b>Description:-</b> 11.41 "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 colors 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."					
	Please see Item Breakup for details.	14660.00	AT Par	14660.00		
34	<b>Description:-</b> 11.48 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete.					
	Please see Item Breakup for details.	235880.00	AT Par	235880.00		
35	<b>Description:-</b> 13.1 12 mm cement plaster of mix :					
	Please see Item Breakup for details.	148632.19	AT Par	148632.19		
36	<b>Description:-</b> 13.4 12 mm cement plaster of mix :					
	Please see Item Breakup for details.	57414.26	AT Par	57414.26		
37	<b>Description:-</b> 13.62 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					
	1380	4500.00	Sqm	123.85	557325.00	AT Par 557325.00
38	<b>Description:-</b> 13.80 "Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete."					
	Please see Item Breakup for details.	345940.00	AT Par	345940.00		
39	<b>Description:-</b> 13.45 Finishing walls with textured exterior paint of required shade :					
	Please see Item Breakup for details.	163936.43	AT Par	163936.43		
40	<b>Description:-</b> 13.37 White washing with lime to give an even shade :					
	Please see Item Breakup for details.	174411.55	AT Par	174411.55		
41	<b>Description:-</b> 13.82 "Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour."					
	Please see Item Breakup for details.	460519.33	AT Par	460519.33		
42	<b>Description:-</b> 9.1 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).					
	Please see Item Breakup for details.	2082.40	AT Par	2082.40		
43	<b>Description:-</b> 9.96 Providing and fixing aluminium sliding door bolts, ISI marked anodized anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :					
	Please see Item Breakup for details.	11049.20	AT Par	11049.20		
44	<b>Description:-</b> 9.100 Providing and fixing aluminium handles, ISI marked, anodized (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 :					
	Please see Item Breakup for details.	524637.00	AT Par	524637.00		
45	<b>Description:-</b> 9.20 "Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters."					
	923	320.00	Sqm	401.40	128448.00	AT Par 128448.00
46	<b>Description:-</b> 9.23 Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).					
	926	28.80	Sqm	93.65	2697.12	AT Par 2697.12
47	<b>Description:-</b> 9.26 Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).					
	953	1026.00	Each	194.35	199403.10	AT Par 199403.10
48	<b>Description:-</b> 9.53 Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)					
	Please see Item Breakup for details.	66607.60	AT Par	66607.60		
49	<b>Description:-</b> 9.74 Providing and fixing bright finished SS tower bolts (barrel type) with necessary screws etc. complete :					
	982	184.00	Each	109.60	20166.40	AT Par 20166.40
50	<b>Description:-</b> 9.82 Providing and fixing brass hanging type floor door stopper with necessary screws, etc. complete.					

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51	Please see Item Breakup for details.			355110.00	AT Par	355110.00	
	<b>Description:-</b> 21.19 "Filling the gap in between aluminium/ stone/ wood/ glass frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per Architectural drawings and direction of Architect/Client complete, complying to ASTM C920, DIN 18540-F & ISO 11600"						
52	Please see Item Breakup for details.			67613.50	AT Par	67613.50	
	<b>Description:-</b> 21.1 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) :						
53	Please see Item Breakup for details.			61992.00	AT Par	61992.00	
	<b>Description:-</b> 22.5 "Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : "						
54	Please see Item Breakup for details.			35887.50	AT Par	35887.50	
	<b>Description:-</b> 22.23 "Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer in-charge. The product performance shall carry guarantee for 10 years against any leakage."						
55	1318	3349.40	Sqm	67.80	227089.32	AT Par	227089.32
	<b>Description:-</b> 13.18 Neat Cement Punning (1mm thick)						
56	2271	800.00	Sqm	1522.95	1218360.00	AT Par	1218360.00
	<b>Description:-</b> 22.7.1 "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: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge : 22.7.1 With average thickness of 120 mm and minimum thickness at khurra as 65 mm."						
57	Please see Item Breakup for details.			491372.00	AT Par	491372.00	
	<b>Description:-</b> 14.90 "Providing and laying APP (Atactic polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 Kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under: Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane:"						
	Please see Item Breakup for details.			572975.00	AT Par	572975.00	

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58	<p><b>Description:-</b> 12.45 "Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/Sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the rate of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm or both sides of joint and two coats of primer suitable for board, all as per manufacture's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification but excluding the cost of painting :"</p>						
59	9154	9000.00	Kg	133.35	1200150.00	AT Par	1200150.00
	<p><b>Description:-</b> 9.154 Providing and fixing frame work for partitions/ wall lining/ paneling etc. made of 50x25x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically &amp; horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete.</p>						
60	Please see Item Breakup for details.			48630.50	AT Par	48630.50	
	<p><b>Description:-</b> 17.7A Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-</p>						
61	Please see Item Breakup for details.			18828.00	AT Par	18828.00	
	<p><b>Description:-</b> 17.10 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 :</p>						
62	Please see Item Breakup for details.			20788.80	AT Par	20788.80	
	<p><b>Description:-</b> 18.21 Providing and fixing plasticized PVC connection pipe with brass unions :</p>						
63	Please see Item Breakup for details.			122085.40	AT Par	122085.40	
	<p><b>Description:-</b> 18.53 Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931</p>						
64	Please see Item Breakup for details.			8169.60	AT Par	8169.60	
	<p><b>Description:-</b> 17.34 Providing and fixing toilet paper holder:</p>						
65	Please see Item Breakup for details.			7137.00	AT Par	7137.00	
	<p><b>Description:-</b> 18.52 Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.</p>						
66	1731	5.00	Each	1411.15	7055.75	AT Par	7055.75
	<p><b>Description:-</b> 17.31 Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.</p>						
67	Please see Item Breakup for details.			9086.00	AT Par	9086.00	
	<p><b>Description:-</b> 17.32 "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 :"</p>						
68	Please see Item Breakup for details.			1030.00	AT Par	1030.00	
	<p><b>Description:-</b> 17.69 Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.</p>						
69	1722A	12.00	Each	886.25	10635.00	AT Par	10635.00
	<p><b>Description:-</b> 17.22A Providing and fixing CP Brass 32mm size Bottle Trap of approved quality &amp; make and as per the direction of Engineer.</p>						
70	1771	12.00	Each	146.30	1755.60	AT Par	1755.60
	<p><b>Description:-</b> 17.71 "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."</p>						

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71	Please see Item Breakup for details.			13207.70	AT Par	13207.70	
	<b>Description:-</b> 17.73 "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."						
72	Please see Item Breakup for details.			105485.50	AT Par	105485.50	
	<b>Description:-</b> 2.10 "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 by Engineer, within a lead of 50 m :"						
73	211	125.00	Metre	127.00	15875.00	AT Par	15875.00
	<b>Description:-</b> 2.11 "Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre)."						
74	212	19.90	Metre	314.95	6267.50	AT Par	6267.50
	<b>Description:-</b> 2.12Extra for excavating trenches for pipes, cables, etc, in all kinds of soil for depth exceeding 3 m in depth, but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)						
75	1916	50.00	Each	487.10	24355.00	AT Par	24355.00
	<b>Description:-</b> 19.16Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12mm dia steel bar conforming to IS: 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block :3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.						
76	Please see Item Breakup for details.			116871.00	AT Par	116871.00	
	<b>Description:-</b> 19.7Constructing 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 :						
77	Please see Item Breakup for details.			32509.80	AT Par	32509.80	
	<b>Description:-</b> 19.8Extra for depth for manholes :						
78	Please see Item Breakup for details.			59432.25	AT Par	59432.25	
	<b>Description:-</b> 19.9"Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :"						
79	Please see Item Breakup for details.			69868.00	AT Par	69868.00	
	<b>Description:-</b> 19.10Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m						
80	Please see Item Breakup for details.			114759.75	AT Par	114759.75	
	<b>Description:-</b> 19.11Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :						
81	Please see Item Breakup for details.			9068.35	AT Par	9068.35	
	<b>Description:-</b> 19.12Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m :						
82	Please see Item Breakup for details.			245965.00	AT Par	245965.00	
	<b>Description:-</b> 19.13Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :						
83	Please see Item Breakup for details.			25324.08	AT Par	25324.08	

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	<b>Description:-</b> 19.14Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m :					
84	Please see Item Breakup for details.		218927.25	AT Par	218927.25	
	<b>Description:-</b> 19.6Providing 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 :					
85	Please see Item Breakup for details.		151747.00	AT Par	151747.00	
	<b>Description:-</b> 19.3"Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of R.C.C. pipes including bed concrete as per standard design ."					
86	Please see Item Breakup for details.		83841.75	AT Par	83841.75	
	<b>Description:-</b> 19.27"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 ."					
87	Please see Item Breakup for details.		36803.25	AT Par	36803.25	
	<b>Description:-</b> 19.4Providing 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:					
88	Please see Item Breakup for details.		600860.00	AT Par	600860.00	
	<b>Description:-</b> 22.14Grading roof for water proofing treatment with					
89	Please see Item Breakup for details.		153903.00	AT Par	153903.00	
	<b>Description:-</b> 12.41Providing 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					
90	Please see Item Breakup for details.		11594.50	AT Par	11594.50	
	<b>Description:-</b> 12.42Providing 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.					
91	1222	12.00	Each	266.60	3199.20	AT Par 3199.20
	<b>Description:-</b> 12.22"Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete."					
92	1244	11.92	Each	47.90	570.97	AT Par 570.97
	<b>Description:-</b> 12.44Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.					
93	Please see Item Breakup for details.		243567.50	AT Par	243567.50	
	<b>Description:-</b> 18.7"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."					
94	Please see Item Breakup for details.		159060.00	AT Par	159060.00	
	<b>Description:-</b> 18.8Providing 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 & fittings 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. Concealed work, including cutting chases and making good the walls etc.					
95	Please see Item Breakup for details.		55836.75	AT Par	55836.75	
	<b>Description:-</b> 18.17Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
96	Please see Item Breakup for details.		29006.00	AT Par	29006.00	
	<b>Description:-</b> 18.10Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
97	Please see Item Breakup for details.		295384.75	AT Par	295384.75	
	<b>Description:-</b> 18.12Providing and fixing G.I. pipes 'B' class complete with G.I. fittings including, trenching and refilling etc. external works					
98	Please see Item Breakup for details.		12592.75	AT Par	12592.75	
	<b>Description:-</b> 18.40Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :					
99	Please see Item Breakup for details.		134021.75	AT Par	134021.75	
	<b>Description:-</b> 18.41"Providing and filling sand of grading zone V or coarser grade all-round the G.I. pipes in external work."					



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100	Please see Item Breakup for details.			15662.30	AT Par	15662.30	
	<b>Description:-</b> 18.31Providing and fixing CI sluice valve (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)						
101	Please see Item Breakup for details.			1942.05	AT Par	1942.05	
	<b>Description:-</b> 18.18Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :						
102	Please see Item Breakup for details.			3444.40	AT Par	3444.40	
	<b>Description:-</b> 18.46Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :						
103	Please see Item Breakup for details.			105937.15	AT Par	105937.15	
	<b>Description:-</b> 18.36"Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for hydrants, with C.I. surface box 350x350 mm top and 165 mm deep ( inside) with chained lid and RCC top 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 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design "						
104	Please see Item Breakup for details.			190400.00	AT Par	190400.00	
	<b>Description:-</b> 19.36Providing 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						
105	Please see Item Breakup for details.			100417.50	AT Par	100417.50	
	<b>Description:-</b> 23.1"Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level."						
106	Please see Item Breakup for details.			76156.00	AT Par	76156.00	
	<b>Description:-</b> 23.3"Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge."						
107	Please see Item Breakup for details.			54962.50	AT Par	54962.50	
	<b>Description:-</b> 23.4"Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge."						
108	235	20.00	cum	1302.30	26046.00	AT Par	26046.00
	<b>Description:-</b> 23.5"Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer- in-charge."						
109	236	50.00	cum	1309.00	65450.00	AT Par	65450.00
	<b>Description:-</b> 23.6"Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge."						
110	237	50.00	cum	1309.00	65450.00	AT Par	65450.00
	<b>Description:-</b> 23.7 Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge."						
111	238	11.20	cum	1479.25	16567.60	AT Par	16567.60
	<b>Description:-</b> 23.8"Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge."						
112	Please see Item Breakup for details.			2159.85	AT Par	2159.85	
	<b>Description:-</b> 23.15Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).						
113	Please see Item Breakup for details.			14942.00	AT Par	14942.00	
	<b>Description:-</b> 19.19"Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality"						
114	Please see Item Breakup for details.			221411.75	AT Par	221411.75	
	<b>Description:-</b> 4.1"Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :"						
115	Lump Sum			500000.00	AT Par	500000.00	
	<b>Description :-</b> DSR horticulture 2020 Lump Sum						

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116	11 27	67.13	Sqm	2038.55	136847.86	AT Par	136847.86
<b>Description:-</b> 11.27 Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 1 2 mm (average) thick cement mortar 1:3 (1 cement 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.							
117	NWR	1.00	Job	-11451624.79	-11451624.79	AT Par	-11451624.79
<b>Description:-</b> As per NWR letter No. NWR-HQ0ENGG(WKS)/73/2021 Base rate of tenders shall be reduced by 38% of CPWD DSR-2021							
118	GST	1.00	Job	1000940.89	1000940.89	AT Par	1000940.89
<b>Description:-</b> Add for GST Compensation for change from 12% to 18% (NWR Circular NWR/HQ/S&C/W.444106888 dated 26.08.22							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule B-NS SCHEDULE</b>							20411104.40	
119	Lump Sum				500000.00	AT Par	500000.00	
<b>Description :-</b> NS-1 Supply & transportation of different types of Tree & Plants (which are not DSR horticulture) etc. all complete at site of plantation. Nothing extra will be paid whatsoever the case may be.								
120	NS 2	80.00	Sqm	7235.50	578840.00	AT Par	578840.00	
<b>Description:-</b> Supplying, laying in position 15mm to 18mm thick Lakha red,Yasi gold or Raw silk or similar approved shed granite slab as per architect design and as approved by the Rly. of required size of approved quality and shade on the existing floor/wall with cement and sand mortar (1:2) after cutting/dismantling the existing damaged floor/wall has required and laying granolithic flooring (1:2: 4) as the backing of the granite slab maintaining the slope/lavel, inlay on floor/wall suitably as per site condition of approved quality and design. The joint should be maintained with minimum gap, sharp state edges (90 angle in all four sides) and filled with necessary colour pigment as necessary. The surface of the newly laid granite slab to be finished by grinding/polishing as necessary to get a smooth and shining surface to satisfaction of the Engineer - in - charge. The work to be completed in all respects with supply of all materials, tools and plants as required including removing of the rubbishes/ debris from the work site and outside FP complex as per direction of the Engineer-in- charge on completion of the days work complete in all respects(L&M). (N.B: The cost of granolithic flooring to be paid separately.)								
121	NS 3	500.00	Sqm	1971.91	985955.00	AT Par	985955.00	
<b>Description:-</b> Supplying, fitting and fixing 18/19 mm thick BWP plywood (IS: 710) of Green, Century, Globe or similar and fixing over existing wooden frame/surface including cutting, smoothening and fixing in proper line, level & finish with nails, screws & adhesive as necessary, complete in all respect.								
122	NS 4	160.00	Sqm	8222.42	1315587.20	AT Par	1315587.20	
<b>Description:-</b> M.S.F. fixing in position wooden cabinet of any size fixed on the wooden partition/masonry wall. The top, bottom, sides, middle horizontal shelf position and leaves will be made of 18/19mm thick water proof block board (BWP IS-1659) of Century, Green Ply or Globe and back side with 6mm thick water proof ply board of IS: 303 of Century, Green Ply or Globe. The edges to be provided with polished wooden beading. Rate include of brass hinges (3" long), handles, tower bolts, Godrej lock, magnetic catelar and labour and material complete in all respects of (L&M) as per direction of Engineer-in-Incharge.								
123	NS 5	75.00	Sqm	1233.00	92475.00	AT Par	92475.00	
<b>Description:-</b> Roller Blind to cover windows with Fabric which can block 100% light and glare. Fabric Max Width 2.5Mtr, Compositions : 100% Polyster, Weight 360Gms, Oppeness Factor 0%, Light Fastness 6-7 Grade								
124	NS 6	12.00	Each	20020.00	240240.00	AT Par	240240.00	
<b>Description:-</b> Item rate for P&F wall hanging WC italain type with concealed cistern with SS button of superior quality, including all lead, lifting at any height, loading, unloading, all taxes, charges, all L&M, T&P as a complete job. Nothing extra will be paid whatsoever the case may be.								
125	NS 7	36.00	Each	1653.71	59533.56	AT Par	59533.56	
<b>Description:-</b> Providing & fixing Mortice lock andlatch with a pair of Levers handles with necessary screw of GODREJNEH 04/DOOR SET CETO orEquevalent as per manufacturerSpecifications complete in all respect ( All hardware to be got approved by Engineer in-charge before fixing)								
126	NS 8	50.00	Sqm	1900.00	95000.00	AT Par	95000.00	
<b>Description:-</b> Supplying and fixing 12mm thick toughened etched glass with all edge machine polished. The rate shall include cost of materials, labour, tools & plants with all lead lift, transportation, taxes etc complete-6mm plywood								
127	NS 9	12.00	Each	10010.00	120120.00	AT Par	120120.00	
<b>Description:-</b> Providing & fixing battery operated touchless automatic soap dispenser of jaguar make . The capac of dispenser is 0.8. The body of dispenser is of aluminium/ABS (Model no SDR-BLC-D-J0160AS of jaguar make.								

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128	NS 10	15.00	Numbers	15015.00	225225.00	AT Par	225225.00
	<b>Description:-</b> Item rate for providing and fixing DORMA fittings to doors as follows a) DORMA XL-C1103 door closer surface with slide channel & hold open unit EN-4= 1nob) 5 knuckle, 2 ball bearing butt hinge grade SS 304 finish SSS4" x 3" x 3 mm (Model DORMA XL-C 3009A)= 4 noc) Sash lock DORMA XL-C 3025 SL CTC 72mm EPC SSS with DORMA XL-C 2071-A Zamac EPC 1 slide L=70mm along with DORMA XL-C -2029 LH-2 roses SSS=1 no including all lead, lifting at any height , loading, unloading, all taxes, charges all L&M, T&P as a complete job. Nothing extra will be paid whatsoever the case may be						
129	NS 11	270.00	Sqm	3403.40	918918.00	AT Par	918918.00
	<b>Description:-</b> Providing and laying vitrified tiles in different sizes (ceramic fully vitrified tiles) of size above 1200x1800mm upto 1200x2400mm (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622 of approved brand and manufacturer , in all colours and shade , in skirting, risers of steps laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6mm thickness, including grouting of joints approved by site engineer. Top surface shall be fine in texture , dense, homogeneous. The work shall be complete in all respect with all lead, lifting at any height, loading, unloading, all taxes, charges, all L&M , T&P complete as a job. Nothing extra shall be paid whatsoever the case may be.						
130	NS 12	4.00	Each	27890.00	111560.00	AT Par	111560.00
	<b>Description:-</b> Providing & fixing white vitreous sensor operated gents urinal having pre & post flushing with water having water inlet from back side , including fixing of control plate (made of stainless steel sensor) to wall with suitable brackets all as per manufacturers specification and direction of engineer in charge						
131	NS 13	5.00	Each	5881.42	29407.10	AT Par	29407.10
	<b>Description:-</b> providing & fixing curved shape urinal partition with frosted glass 8mm/10mm 1810UC/1110 UC						
132	NS 14	1.00	Each	15000.00	15000.00	AT Par	15000.00
	<b>Description:-</b> Providing & fixing of Kitchen Chimney (600mm size ) , with exhaust pipe dia 6" , of Faber/Sun flame make (SS Hood and pyramid shape and exhaust pipe 10 feet long or as required ) all complete."						
133	NS 15	12.00	Each	3100.00	37200.00	AT Par	37200.00
	<b>Description:-</b> Supply, installation, testing and commissioning of DTH connection (Free subscription Charges) with antenna as per technical specification. Make: SUN DTH or similar.						
134	NS 16	15.00	Numbers	1725.00	25875.00	AT Par	25875.00
	<b>Description:-</b> Supply of Caller ID telephone system with speaker and hands fress conversation. Make:- Panasonic/Motorola or similar.						
135	NS 17	3.00	Numbers	6434.00	19302.00	AT Par	19302.00
	<b>Description:-</b> Supply and installation of 9U, 19 inch Industrial rack, wall mountable with PDU of 5 points of 5/6 amps each with adjustable front and back channel & fitted with tray, with cable manager & double cooling fan, Make: ValRack/HCL/ComRack or superior.						
136	NS 18	15.00	Numbers	1740.00	26100.00	AT Par	26100.00
	<b>Description:-</b> Supply & fixing of Night lamp luminaire 2/3 watts including extension of supply connection by PVC insulated copper cable						
137	NS 19	15.00	Numbers	1724.00	25860.00	AT Par	25860.00
	<b>Description:-</b> Supply & fixing of 5-6 watts LED reading lamp including supply connection by 3 core PVC insulated copper cable						
138	NS 20	50.00	Sqm	10219.00	510950.00	AT Par	510950.00
	<b>Description:-</b> Supplying, providing & fixing of 12mm thick toughened glass as bathing enclosures in bathrooms including doors swinging arrangement top and bottom stainless steel holding arrangement with stainless steel handles of approved pattern by engineer in charge rate shall be inclusive of all approved quality fixtures required for fixing and transporting cost of material, labour tools, & plants, all taxes octroi etc complete						
139	NS 21	25.00	Each	5073.00	126825.00	AT Par	126825.00
	<b>Description:-</b> Providing and fixing consealed door closer 'Ozon' or similar Heavy duty as per approved by the engineer in charge rate include all labour, material, tools, plants taxes all lead and lift etc complete						
140	NS 22	12.00	cum	59772.92	717275.04	AT Par	717275.04
	<b>Description:-</b> Supply pine wooden purlins / rafter on roof under MS sheet as per drawings including erecting and fixing with all accessories complete in all respect as per direction of engineer / in charge at site.						
141	NS 23	1150.00	Sqm	1494.31	1718456.50	AT Par	1718456.50
	<b>Description:-</b> Supplying 25mm thick pine wood plank on roofs under MS sheet/ false ceiling including erecting and fixing with all accessories and fine finish one side complete in all respect including all taxes, levies etc. As per direction of Engineer in charge/ Architect at site						
142	NS 24	140.00	Square Foot	525.00	73500.00	AT Par	73500.00
	<b>Description:-</b> Providing and fixing Doors and Windows With P.U. Finishes particulars are given below. Door Frames (Single Patam) Sal Wood.						

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143	NS 25	280.00	Square Foot	450.00	126000.00	AT Par	126000.00	
	<b>Description:-</b> Providing and fixing Doors and Windows With P.U. Finishes particulars are given below. Door Frames (double Patam) Sal Wood.							
144	NS 26	176.00	Square Foot	1500.00	264000.00	AT Par	264000.00	
	<b>Description:-</b> Providing and fixing Doors and Windows With P.U. Finishes particulars are given below. Doors and window ( With P.U Paint or P.U Poslish).							
145	NS 27	400.00	Square Foot	2000.00	800000.00	AT Par	800000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below. Proving King Size Bed Sheesham Wood framed structure with leather and Deco Paint 7'-0" x 7'-0" / 6'-0" X 6.25'-0".							
146	NS 28	35.00	Square Foot	2000.00	70000.00	AT Par	70000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below.18"x18" Bed side table.							
147	NS 29	100.00	Square Foot	4000.00	400000.00	AT Par	400000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below. 2'-6" x2'-6" Coffee table With Deco Paint Finishes							
148	NS 30	80.00	Square Foot	10000.00	800000.00	AT Par	800000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below. chairs.							
149	NS 31	95.00	Square Foot	50000.00	4750000.00	AT Par	4750000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below. Couch Sitting 2'-0" x 7'-0" / 2'-0 x 6'-0" with leather and deco paint finish.							
150	NS 32	38.00	Square Foot	75000.00	2850000.00	AT Par	2850000.00	
	<b>Description:-</b> Providing and fixing Furniture as per Interior design including of all taxes and transportation cost. Particulars are given below. Providing and fixing Two Seater Sofa Sitting with leather finishes.							
151	NS 33	10.00	Each	46990.00	469900.00	AT Par	469900.00	
	<b>Description:-</b> Providing and fixing miscellaneous item such as-1m 25cm (50") AUE60 Crystal 4K UHD Smart TV							
152	NS 34	10.00	Each	50000.00	500000.00	AT Par	500000.00	
	<b>Description:-</b> Providing and fixing miscellaneous item such as-Providing and fixing Bedroom Chandelier as per design.							
153	NS 35	20.00	Each	11000.00	220000.00	AT Par	220000.00	
	<b>Description:-</b> Providing of Mattress(Foam/Rubberised Coir).							
154	NS 36	25.00	Each	4000.00	100000.00	AT Par	100000.00	
	<b>Description:-</b> Providing of Unbranded cotton pillow 33cmx56cm.							
155	NS 37	40.00	Each	650.00	26000.00	AT Par	26000.00	
	<b>Description:-</b> Providing of Unbranded cotton pillow 33cmx56cm.							
156	NS 38	30.00	Each	2200.00	66000.00	AT Par	66000.00	
	<b>Description:-</b> Providing of Unbranded 240cmx230cm (LxW) printed bed sheets.							
157	Lump Sum				400000.00	AT Par	400000.00	
	<b>Description :-</b> NS - 39 Kitchen Appliances & Utensils							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule C-CPWD DSR 2022 E&amp;M ITEMS</b>							577357.14	
158	Please see Item Breakup for details.				548000.00	AT Par	548000.00	
	<b>Description:-</b> Supplying, laying/ fixing, testing and commissioning of following nominal sizes of hot water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note: The pipes of sizes 150mm & below shall be MS "C" class as per IS: 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS:3589, from minimum 6.35 thick MS sheet for pipes upto 350mm dia and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above. 14.16 Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket ,bend, couplersetc. conforming to IS 14930, Part II complete with fitting andcutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sandcushioning and protective covering etc., complete as required.							

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159	GST	1.00	Job	29357.14	29357.14	AT Par	29357.14
<b>Description:-</b> Add for GST Compensation for change from 12% to 18% (NWR Circular NWR/HQ/S&C/W.444106888 dated 26.08.22)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule D-Electrical Work Items</b>							1937365.55	
160	Please see Item Breakup for details.			1332116.95	AT Par	1332116.95		
<b>Description:-</b> Schedule- 1: Wiring & Lighting work.								
161	Please see Item Breakup for details.			605248.60	AT Par	605248.60		
<b>Description:-</b> Schedule-2: Air Conditioning work								

**3. ITEM BREAKUP**

Schedule	Schedule A-CPWD-DSR-2021						
<b>Item- 1</b>	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.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	2.6.1	All kinds of soil	cum	500.00	205.45	102725.00	
						<b>Total</b>	<b>102725.00</b>
<b>Item- 2</b>	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.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	2.8.1	All kinds of soil	cum	250.00	286.85	71712.50	
						<b>Total</b>	<b>71712.50</b>
<b>Item- 4</b>	2.35 "Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :" 2.35.1 Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	2.35.1.1	With Chlorpyriphos E.C. 20% with 1% concentration	Metre	1000.00	32.30	32300.00	
						<b>Total</b>	<b>32300.00</b>
<b>Item- 5</b>	4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	4.1.3	1:2:4 (1 Cement : 2 coarse sand (zone- III) : 4 graded stone aggregate 40 mm nominal size)	cum	15.00	7365.15	110477.25	
2	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone- III) : 6 graded stone aggregate 20 mm nominal size)	cum	35.00	6833.40	239169.00	
						<b>Total</b>	<b>349646.25</b>
<b>Item- 12</b>	5.33 "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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately)."						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	5.33.1.1	5.33.1.1 "All works upto plinth level: Concrete of M25 grade with minimum cement content of 330 kg /cum"	cum	80.00	8683.80	694704.00	

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2	5.33.1.2	5.33.1.2 "All works upto plinth level: Concrete of M30 grade with minimum cement content of 350 kg /cum"	cum	100.00	8825.25	882525.00
					<b>Total</b>	<b>1577229.00</b>
<b>Item- 14</b>	5.9 Centering and shuttering including strutting, propping etc. and removal of form for :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	591	5.9.1 Foundations, footings bases of columns etc. for mass concrete.	Sqm	900.00	307.95	277155.00
2	592	5.9.2 "Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc."	Sqm	120.00	669.55	80346.00
3	593	5.9.3 Suspended floors, roofs, Staircases, balconies & access platform.	Sqm	140.00	766.55	107317.00
4	595	5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	450.00	608.35	273757.50
5	5919	5.9.19 Weather shade, Chajjas, corbels etc., including edges	Sqm	150.00	814.95	122242.50
					<b>Total</b>	<b>860818.00</b>
<b>Item- 16</b>	6.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	612	6.1.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	280.00	6658.25	1864310.00
					<b>Total</b>	<b>1864310.00</b>
<b>Item- 17</b>	6.12 Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	6122	6.12.2 cement mortar 1:4 (1 cement : 4 coarse sand)	cum	150.00	837.85	125677.50
					<b>Total</b>	<b>125677.50</b>
<b>Item- 18</b>	6.13 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.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	6132	6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	100.00	1018.05	101805.00
					<b>Total</b>	<b>101805.00</b>
<b>Item- 22</b>	8.11 "Providing and fixing machine cut, mirror/ eggshell polished, Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural adrawings, and as directed by the Engineer-in-Charge."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	8111	8.11.1 18 mm thick Italian Marble stone slab, Perlato, Bottachino Classico,Rosso Verona, Fire Red or Dark Emperadore etc. Stone to be approved by Architect.	Sqm	600.00	9278.95	5567370.00
					<b>Total</b>	<b>5567370.00</b>
<b>Item- 23</b>	8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolsihsed, 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 (a 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. 8.2.2 Granite stone slab of colour black, Cherry/Ruby red					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	8222	8.2.2.2 Area of slab over 0.50 sqm	Sqm	142.49	4425.35	630568.12
					<b>Total</b>	<b>630568.12</b>
<b>Item- 24</b>	11.51 "Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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1	11511	11.51.1 "18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc."	Sqm	190.00	6095.50	1158145.00
					<b>Total</b>	<b>1158145.00</b>
<b>Item- 25</b>	11.56 "Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	11561	11.56.1 Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	Sqm	100.00	3908.80	390880.00
					<b>Total</b>	<b>390880.00</b>
<b>Item- 26</b>	16.87 "Providing and laying gang saw cut 30 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	16872	16.87.2 "With granite stone of all colour except black, cherry/ruby red of area less than 0.50 sqm."	Sqm	40.00	4537.25	181490.00
					<b>Total</b>	<b>181490.00</b>
<b>Item- 27</b>	8.3 "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."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	831	8.3.1 Marble work	Metre	70.00	244.90	17143.00
					<b>Total</b>	<b>17143.00</b>
<b>Item- 29</b>	8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	872	8.7.2 Stainless steel cramps	Kg	300.00	624.95	187485.00
					<b>Total</b>	<b>187485.00</b>
<b>Item- 30</b>	11.46 "Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	11462	11.46.2 Size of Tile 600x600 mm	Sqm	180.00	1466.50	263970.00
					<b>Total</b>	<b>263970.00</b>
<b>Item- 31</b>	11.26 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) :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	11261	11.26.1 25 mm thick.	Sqm	100.00	1706.60	170660.00
					<b>Total</b>	<b>170660.00</b>
<b>Item- 33</b>	11.41 "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 colors 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."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	11414	11.41.4 Size of Tile 1000x1000 mm	Sqm	80.00	2551.95	204156.00
					<b>Total</b>	<b>204156.00</b>
<b>Item- 34</b>	11.48 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	11484	11.48.4 Size of Tile 1000x1000 mm	Sqm	100.00	146.60	14660.00

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						<b>Total</b>	<b>14660.00</b>	
<b>Item- 35</b>	13.1 12 mm cement plaster of mix :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	1311	13.1.1 1:4 (1 cement: 4 fine sand)	Sqm	800.00	294.85	235880.00		
						<b>Total</b>	<b>235880.00</b>	
<b>Item- 36</b>	13.4 12 mm cement plaster of mix :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	1341	13.4.1 1:4 (1 cement : 4 coarse sand)	Sqm	483.75	307.25	148632.19		
						<b>Total</b>	<b>148632.19</b>	
<b>Item- 37</b>	13.62 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	13621	13@46>46@1 "Two or more coats on new work over an under coat o f suitable shade with ordinary paint of approved brand and manufacture"	Sqm	299.97	191.40	57414.26		
						<b>Total</b>	<b>57414.26</b>	
<b>Item- 39</b>	13.45 Finishing walls with textured exterior paint of required shade :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	13.45.1	13.45.1 New work (Two or more coats applied @ 3.28 ltr/10 Sqm) over and including priming coat o f exterior grade primer applied @ 2.20kg/10 Sqm	Sqm	1412.00	245.00	345940.00		
						<b>Total</b>	<b>345940.00</b>	
<b>Item- 40</b>	13.37 White washing with lime to give an even shade :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	13.37.1	13.37.1 New work (three or more coats)	Sqm	5051.97	32.45	163936.43		
						<b>Total</b>	<b>163936.43</b>	
<b>Item- 41</b>	13.82 "Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour."							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	13.82.2	13.82.2 Two coats	Sqm	1502.90	116.05	174411.55		
						<b>Total</b>	<b>174411.55</b>	
<b>Item- 42</b>	9.1 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).							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	9.1.1	9.1.1 Second class teak wood	cum	3.50	131576.95	460519.33		
						<b>Total</b>	<b>460519.33</b>	
<b>Item- 43</b>	9.96 Providing and fixing aluminium sliding door bolts, ISI marked anodized anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	9.96.1	9.96.1 300x16 mm	Each	8.00	260.30	2082.40		
						<b>Total</b>	<b>2082.40</b>	
<b>Item- 44</b>	9.100 Providing and fixing aluminium handles, ISI marked, anodized (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 :							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	9.100.1	9.100.1 125 mm	Each	184.00	60.05	11049.20		
						<b>Total</b>	<b>11049.20</b>	
<b>Item- 45</b>	9.20 "Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters."							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	9.20.1	3 5 m m thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	170.00	3086.10	524637.00		
						<b>Total</b>	<b>524637.00</b>	



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<b>Item- 49</b>	9.74 Providing and fixing bright finished SS tower bolts (barrel type) with necessary screws etc. complete :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	9.74.1	250x10	Each	168.00	374.35	62890.80
2	9.74.3	150x10	Each	16.00	232.30	3716.80
					<b>Total</b>	<b>66607.60</b>
<b>Item- 51</b>	21.19 "Filling the gap in between aluminium/ stone/ wood/ glass frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per Architectural drawings and direction of Architect/Client complete, complying to ASTM C920, DIN 18540-F & ISO 11600"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	21.19.1	Upto 5 mm depth and 5 mm width	Running Metre	1300.00	130.20	169260.00
2	21.19.2	Upto 10 mm depth and 10 mm width	Running Metre	1050.00	177.00	185850.00
					<b>Total</b>	<b>355110.00</b>
<b>Item- 52</b>	21.1 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) :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	145.00	466.30	67613.50
					<b>Total</b>	<b>67613.50</b>
<b>Item- 53</b>	22.5 "Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	22.5	(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b)"b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours." (The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)	Sqm	120.00	516.60	61992.00
					<b>Total</b>	<b>61992.00</b>
<b>Item- 54</b>	22.23 "Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	22.23.1	For vertical surface two coats @ 0.70 kg per Sqm	Sqm	50.00	406.25	20312.50
2	22.23.2	For horizontal surface one coat @ 1.10 kg per Sqm.	Sqm	50.00	311.50	15575.00
					<b>Total</b>	<b>35887.50</b>

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<b>Item- 57</b>	14.90 "Providing and laying APP (Atactic polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 Kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under: Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto-2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane:"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	14.90.1	3mm thick	Sqm	920.00	534.10	491372.00
					<b>Total</b>	<b>491372.00</b>
<b>Item- 58</b>	12.45 "Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/Sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the rate of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm or both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification but excluding the cost of painting :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	12.45.1	12.5 m m thick tapered edge gypsum plain board conforming to IS: 2095- Part I.	Sqm	500.00	1145.95	572975.00
					<b>Total</b>	<b>572975.00</b>
<b>Item- 60</b>	17.7A Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.7A	(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Each	10.00	3459.05	34590.50
2	17.7B	"Providing and fixing wash basin with C.I. brackets, 15 mm dia pillar cock, 32mm PTMT waste coupling of standard pattern painting of fitting and brackets ,cutting and making good the walls wherever required." White vitreous china flat back wash basin size 550x400mm with single 15MM PTMT pillar cock.	Each	10.00	1404.00	14040.00
					<b>Total</b>	<b>48630.50</b>
<b>Item- 61</b>	17.10 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 :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.10.1.3	Kitchen sink with drain board 510x1040 mm bowl depth 200 mm	Each	3.00	6276.00	18828.00
					<b>Total</b>	<b>18828.00</b>
<b>Item- 62</b>	18.21 Providing and fixing plasticized PVC connection pipe with brass unions :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.21.2.1	18.21.2 45 cm length 18.21.2.1 15 mm nominal bore	Each	244.00	85.20	20788.80
					<b>Total</b>	<b>20788.80</b>
<b>Item- 63</b>	18.53 Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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1	18.53.1	15mm nominal bore	Each	244.00	500.35	122085.40
					<b>Total</b>	<b>122085.40</b>
<b>Item- 64</b>	17.34 Providing and fixing toilet paper holder:					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.34.1	C.P. brass	Each	12.00	680.80	8169.60
					<b>Total</b>	<b>8169.60</b>
<b>Item- 65</b>	18.52 Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.52.1	15 mm nominal bore	Each	12.00	594.75	7137.00
					<b>Total</b>	<b>7137.00</b>
<b>Item- 67</b>	17.32 "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 :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.32.4	Rectangular shape 1500x450 mm	Each	5.00	1817.20	9086.00
					<b>Total</b>	<b>9086.00</b>
<b>Item- 68</b>	17.69 Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.69.1	Waste coupling 31 m m dia o f 79 mm length and 62mm breadth weighing not less than 45 gms	Each	10.00	103.00	1030.00
					<b>Total</b>	<b>1030.00</b>
<b>Item- 71</b>	17.73 "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."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	22.00	600.35	13207.70
					<b>Total</b>	<b>13207.70</b>
<b>Item- 72</b>	2.10 "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 by Engineer, within a lead of 50 m :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	2.10.1.1	All Kind of Soil Pipes, cables etc, not exceeding 80 mm dia.	Metre	20.00	255.55	5111.00
2	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	Metre	100.00	417.35	41735.00
3	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	Metre	90.00	651.55	58639.50
					<b>Total</b>	<b>105485.50</b>
<b>Item- 76</b>	19.7Constructing 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 :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.7.1.1	19.7.1Inside 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	Each	10.00	11687.10	116871.00
					<b>Total</b>	<b>116871.00</b>
<b>Item- 77</b>	19.8Extra for depth for manholes :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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1	19.8.1.1	19.8.1 Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	4.00	8127.45	32509.80
					<b>Total</b>	<b>32509.80</b>
<b>Item- 78</b>	19.9"Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.9.1.1	19.9.10.91 m deep with SFRC cover and frame (heavy duty, HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 m m nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) : 19.9.1.1With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00	11886.45	59432.25
					<b>Total</b>	<b>59432.25</b>
<b>Item- 79</b>	19.10Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.10.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	10.00	6986.80	69868.00
					<b>Total</b>	<b>69868.00</b>
<b>Item- 80</b>	19.11Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.11.1.1	19.11.11.68 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 m m nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) : 19.11.1.1With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00	22951.95	114759.75
					<b>Total</b>	<b>114759.75</b>
<b>Item- 81</b>	19.12Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.12.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	1.00	9068.35	9068.35
					<b>Total</b>	<b>9068.35</b>
<b>Item- 82</b>	19.13Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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1	19.13.1.1	19.13.12.30 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 m m nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) : 19.13.1.1With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00	49193.00	245965.00
					<b>Total</b>	<b>245965.00</b>
<b>Item- 83</b>	19.14Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.14.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	1.20	21103.40	25324.08
					<b>Total</b>	<b>25324.08</b>
<b>Item- 84</b>	19.6Providing 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 :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.6.2	150 mm dia. R.C.C. pipe	Metre	80.00	493.10	39448.00
2	19.6.3	250 mm dia. R.C.C. pipe	Metre	120.00	811.15	97338.00
3	19.6.4	300 mm dia. R.C.C. pipe	Metre	50.00	902.05	45102.50
4	19.6.5	450 mm dia. R.C.C. pipe	Metre	25.00	1481.55	37038.75
					<b>Total</b>	<b>218927.25</b>
<b>Item- 85</b>	19.3"Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of R.C.C. pipes including bed concrete as per standard design :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.3.2	150 mm dia. R.C.C. pipe	Metre	120.00	689.75	82770.00
2	19.3.4	250 mm dia. R.C.C. pipe	Metre	50.00	943.90	47195.00
3	19.3.5	300 mm dia. R.C.C. pipe	Metre	20.00	1089.10	21782.00
					<b>Total</b>	<b>151747.00</b>
<b>Item- 86</b>	19.27"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 :"					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	15.00	5589.45	83841.75
					<b>Total</b>	<b>83841.75</b>
<b>Item- 87</b>	19.4Providing 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:					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.4.1.1	19.4.1100x100 mm size P type 19.4.1.1With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	15.00	2453.55	36803.25
					<b>Total</b>	<b>36803.25</b>
<b>Item- 88</b>	22.14Grading roof for water proofing treatment with					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	22.14.1	Cement concrete 1:2:4 ( 1 cement: 2 coarse sand: 4 graded stone aggregat 20 mm nominal size)	Sqm	80.00	7510.75	600860.00
					<b>Total</b>	<b>600860.00</b>
<b>Item- 89</b>	12.41Providing 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					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	12.41.1	i) Single socketed pipes 75 mm diameter	Metre	20.00	213.00	4260.00
2	12.41.2	110 mm diameter	Metre	468.00	319.75	149643.00
					<b>Total</b>	<b>153903.00</b>

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<b>Item- 90</b>	12.42Providing 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.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	12.42.1.1	12.42.1Coupler 12.42.1.175 mm	Each	4.00	79.80	319.20
2	12.42.1.2	110 mm	Each	94.00	119.95	11275.30
					<b>Total</b>	<b>11594.50</b>
<b>Item- 93</b>	18.7"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."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.7.2	Internal work Exposed on wall 20 mm nominal outer dia Pipes	Metre	180.00	325.10	58518.00
2	18.7.3	25 mm nominal outer dia Pipes	Metre	165.00	408.55	67410.75
3	18.7.4	32 mm nominal outer dia Pipes	Metre	75.00	500.95	37571.25
4	18.7.5	40 mm nominal outer dia Pipes	Metre	50.00	674.35	33717.50
5	18.7.6	50 mm nominal outer dia Pipes	Metre	50.00	927.00	46350.00
					<b>Total</b>	<b>243567.50</b>
<b>Item- 94</b>	18.8Providing 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 & fittings 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. Concealed work, including cutting chases and making good the walls etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.8.2	20 mm nominal outer dia Pipes	Metre	160.00	513.75	82200.00
2	18.8.3	25 mm nominal outer dia Pipes	Metre	100.00	626.05	62605.00
3	18.8.4	32 mm nominal outer dia Pipes	Metre	20.00	712.75	14255.00
					<b>Total</b>	<b>159060.00</b>
<b>Item- 95</b>	18.17Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.17.1	25 mm nominal bore	Each	35.00	532.35	18632.25
2	18.17.2	32 mm nominal bore	Each	18.00	589.90	10618.20
3	18.17.3	40 mm nominal bore	Each	20.00	707.30	14146.00
4	18.17.4	50 mm nominal bore	Each	4.00	878.25	3513.00
5	18.17.5	65 mm nominal bore	Each	3.00	1490.70	4472.10
6	18.17.6	80 mm nominal bore	Each	2.00	2227.60	4455.20
					<b>Total</b>	<b>55836.75</b>
<b>Item- 96</b>	18.10Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.10.5	40mm dia nominal bore	Metre	40.00	725.15	29006.00
					<b>Total</b>	<b>29006.00</b>
<b>Item- 97</b>	18.12Providing and fixing G.I. pipes 'B' class complete with G.I. fittings including, trenching and refilling etc. external works					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.12.3	25 mm dia nominal bore	Metre	75.00	417.95	31346.25
2	18.12.4	32 mm dia nominal bore	Metre	20.00	457.70	9154.00
3	18.12.5	40 mm dia nominal bore	Metre	10.00	558.35	5583.50
4	18.12.6	50 mm dia nominal bore	Metre	130.00	654.20	85046.00
5	18.12.7	65 mm dia nominal bore	Metre	130.00	768.60	99918.00
6	18.12.8	80 mm dia nominal bore	Metre	70.00	919.10	64337.00
					<b>Total</b>	<b>295384.75</b>
<b>Item- 98</b>	18.40Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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1	18.40.3	25 mm dia nominal bore	Metre	50.00	15.25	762.50
2	18.40.4	32 mm dia nominal bore	Metre	15.00	18.40	276.00
3	18.40.5	40 mm dia nominal bore	Metre	25.00	20.95	523.75
4	18.40.6	50 mm dia nominal bore	Metre	150.00	25.25	3787.50
5	18.40.7	65 mm dia nominal bore	Metre	150.00	31.30	4695.00
6	18.40.8	80 mm dia nominal bore	Metre	70.00	36.40	2548.00
					<b>Total</b>	<b>12592.75</b>
<b>Item- 99</b>	18.41"Providing and filling sand of grading zone V or coarser grade all-round the G.I. pipes in external work."					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.41.3	25 mm dia nominal bore	Metre	50.00	164.10	8205.00
2	18.41.4	32 mm dia nominal bore	Metre	15.00	168.35	2525.25
3	18.41.5	40 mm dia nominal bore	Metre	25.00	170.50	4262.50
4	18.41.6	50 mm dia nominal bore	Metre	150.00	176.90	26535.00
5	18.41.7	65 mm dia nominal bore	Metre	150.00	279.20	41880.00
6	18.41.8	80 mm dia nominal bore	Metre	70.00	287.70	20139.00
7	18.41.9	100 mm dia nominal bore	Metre	100.00	304.75	30475.00
					<b>Total</b>	<b>134021.75</b>
<b>Item- 100</b>	18.31Providing and fixing CI sluice valve (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.31.1.2	100 mm dia (Class-II)	Each	2.00	4500.25	9000.50
2	18.31.3.2	150 mm dia (Class-II)	Each	1.00	6661.80	6661.80
					<b>Total</b>	<b>15662.30</b>
<b>Item- 101</b>	18.18Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.18.1	15 mm nominal bore	Each	1.00	348.85	348.85
2	18.18.2	20 mm nominal bore	Metre	2.00	397.45	794.90
3	18.18.3	25 mm nominal bore	Each	2.00	399.15	798.30
					<b>Total</b>	<b>1942.05</b>
<b>Item- 102</b>	18.46Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.46.1	15 mm nominal bore	Each	1.00	262.30	262.30
2	18.46.2	20 mm nominal bore	Each	2.00	289.05	578.10
3	18.46.3	25 mm nominal bore	Each	2.00	369.35	738.70
4	18.46.4	32 mm nominal bore	Each	2.00	409.45	818.90
5	18.46.5	40 mm nominal bore	Each	2.00	523.20	1046.40
					<b>Total</b>	<b>3444.40</b>
<b>Item- 103</b>	18.36"Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for hydrants, with C.I. surface box 350x350 mm top and 165 mm deep ( inside) with chained lid and RCC top 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 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design "					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	18.36.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 each 8856.70	Each	11.00	9630.65	105937.15
					<b>Total</b>	<b>105937.15</b>
<b>Item- 104</b>	19.36Providing 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					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	19.36.1	450 mm dia RCC pipes. Metre	Running Metre	70.00	2720.00	190400.00

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						<b>Total</b>	<b>190400.00</b>	
<b>Item- 105</b>	23.1"Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level."							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	23.1.1.1	23.1.1All types of soil 23.1.1.1300 mm dia.	Metre	50.00	592.05	29602.50		
2	23.1.2.1	23.1.2Rocky strata including Boulders 23.1.2.1300 mm dia	Metre	50.00	1416.30	70815.00		
						<b>Total</b>	<b>100417.50</b>	
<b>Item- 106</b>	23.3"Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge."							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	23.3.3	200 mm nominal size dia.	Metre	80.00	951.95	76156.00		
						<b>Total</b>	<b>76156.00</b>	
<b>Item- 107</b>	23.4"Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge."							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	23.4.3	200 mm nominal size dia.	Metre	50.00	1099.25	54962.50		
						<b>Total</b>	<b>54962.50</b>	
<b>Item- 112</b>	23.15Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	23.15.3	200 mm dia	Each	7.00	308.55	2159.85		
						<b>Total</b>	<b>2159.85</b>	
<b>Item- 113</b>	19.19"Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality"							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	19.19.3.1	19.19.3H D - 20 19.19.3.1Circular shape 560 mm internal diameter	Each	10.00	1494.20	14942.00		
						<b>Total</b>	<b>14942.00</b>	
<b>Item- 114</b>	4.1"Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :"							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size)	cum	35.00	6326.05	221411.75		
						<b>Total</b>	<b>221411.75</b>	
<b>Schedule</b>	Schedule C-CPWD DSR 2022 E&M ITEMS							
<b>Item- 158</b>	Supplying, laying/ fixing, testing and commissioning of following nominal sizes of hot water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note: The pipes of sizes 150mm & below shall be MS "C" class as per IS: 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS:3589, from minimum 6.35 thick MS sheet for pipes upto 350mm dia and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above. 14.16 Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket ,bend, couplersetc. conforming to IS 14930, Part II complete with fitting andcutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sandcushioning and protective covering etc., complete as required.							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	14.16.3	120 mm dia (OD-120 mm & ID-103 mm nominal	Running Metre	400.00	368.00	147200.00		
2	14.16.5	200 mm dia (OD-200 mm & ID-175 mm nominal)	Running Metre	600.00	668.00	400800.00		
						<b>Total</b>	<b>548000.00</b>	
<b>Schedule</b>	Schedule D-Electrical Work Items							



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Item- 160 Schedule- 1: Wiring & Lighting work.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Laying of XLPE power cable of 1.1 KV grade from 35 sq.mm size to 95 sq.mm direct in ground including excavation and refilling the trench etc. as required but excluding sand cushioning and protective covering as per CPWD Standard (Cable will be supplied by DFCCIL)	Metre	300.00	181.00	54300.00
2	2	Supply & Laying of following size HDPE pipe PE-80, PN-4 ISI Marked along with all accessories like socket, bend , coupler etc. conforming to is 4984 complete with fitting and cutting jointing etc. in the existing trench complete as required . (50 mm OD)	Metre	300.00	139.12	41736.00
3	3	Concealed wiring-Running of Circuit mains and Wiring confirming to IS-732 (III) using 20 mm in concealed PVC pipe with 2 runs of 4 sq.mm for phase and neutral. and 1 run of 1.5 sq.mm for earthing, FRLS PVC insulated stranded copper wire with all accessories	Metre	200.00	282.00	56400.00
4	4	Concealed wiring-Running of Sub-Circuit mains and Wiring confirming to IS-732 (III) using 20 mm Concealed PVC pipe with 2 runs of 2.5 sq.mm for phase and neutral and 1 run of 1.5 sq.mm for earthing, FRLS PVC insulated stranded copper wire with all accessories	Metre	700.00	236.00	165200.00
5	5	Supply, fixing, testing and commissioning of 16 A Modular switch with indicator, 16A Modular universal socket and front plate-1 No. each on suitable flush GI Box complete	Numbers	40.00	311.00	12440.00
6	6	Concealed wiring-Point Wiring to light/fan points by 3 Nos. of 1.5 sq.mm FRLS PVC insulated, multi strand copper wire for phase neutral and earth in PVC conduit / casing and capping of 20 mm dia,2mm wall thickness including-all accessories including flush GI box, front cover, modular switch with indicator, ceiling rose and hardware etc. (Average point length-5 Mtrs)	Point	350.00	815.00	285250.00
7	7	Supply ,fixing and commissioning of 12 Way Double Door SPN MCB Distribution Board with following Switchgears (All 'C' Series), 32 A 4 P MCB-1 No, 16 A DP MCB--3 No., SP MCB 6 A- 2 No. for control each sub circuit separately with required suitable hardware and internal wiring complete.	Numbers	2.00	7461.00	14922.00
8	8	L.T. Earthing arrangements for hard soil using 50 mm C-Class GI Pipe- 2.7 Mtr length, soil treatment by spreading of 25 kgs each of salt and charcoal, duly painting earth pit with black paint and stenciling of earth resistance value with date, including supply and laying of 6 SWG G.I. wire and other hardware to connect equipment at site complete	Set	5.00	5384.00	26920.00
9	9	Supply and provision of doorbell similar to M/s.Anchor, Type:Captain.	Numbers	15.00	113.00	1695.00
10	10	Design Fabrication supply, fixing testing and commissioning of 3 phase 200A Aluminium Busbar box 16 SWG CRCA sheet of suitable size made up of 16 S.W.G CRCA sheet, angle frame, duly powder coated with double door and locking arrangement on suitable size plinth/ foundation (plinth should be 1 feet below surface level and 1 meters above surface level) comprising of (Incomer) 160A 4P MCCB-35KA Breaking capacity-1 Nos, outgoing 63A 4P MCCB-2 Nos, 32A 4P MCCB-6 Nos, 32 A DP MCB-2 Nos and 16A DP MCB-4 Nos	Numbers	1.00	78899.00	78899.00
11	11	"DEEP DOWN LIGHTER - 18W - Colour Code 6000K HEAT RESISTANT ALUMINIUM RECESSED CEILING/POP LIGHT (Make: Phillips,Syska,orient,wipro or similar reputed brand will be accepted)"	Numbers	100.00	1325.73	132573.00
12	12	"Down Lighter 12 watt Round Colour Code 6000K Heat Resistant Down Lighter for False Ceiling  POP Ceiling ( Make: Phillips,Syska,orient,wipro or similar reputed brand will be accepted )"	Numbers	70.00	909.07	63634.90

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13	13	"16mm Aluminium Profile Light with 240 LED Strip Light Colour Code 6000K (Make: Phillips, Syska, orient, wipro or similar reputed brand will be accepted)"	Metre	150.00	1262.60	189390.00
14	14	"48 inch Noiseless Energy Efficient BLDC Motor Ceiling Fan with Remote (Make: Orient, Usha, Bajaj or similar reputed brand will be accepted)"	Numbers	20.00	5050.40	101008.00
15	15	6 Watt Mirror Light with 3 Step Light (White, Warm White and Natural White) (Make: Phillips, Syska, orient, wipro or similar reputed brand will be accepted)	Numbers	10.00	3219.04	32190.40
16	16	"Hanging Light 20-30 Watt (Make: Phillips, Syska, orient, wipro or similar reputed brand will be accepted)"	Numbers	2.00	15782.50	31565.00
17	17	Aluminium Led Spot Light, Shockproof Alluminium Body Warmwhite 3 Watt. (Make: Phillips, Syska, orient, wipro or similar reputed brand will be accepted)	Numbers	20.00	757.56	15151.20
18	18	Supply, testing, fixing & commissioning of Exhaust fan 300 mm sweep 1440 RPM and as per specification attached.	Numbers	15.00	1922.83	28842.45
					<b>Total</b>	<b>1332116.95</b>
<b>Item- 161</b>	Schedule-2: Air Conditioning work					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	1	Supply of 2-Ton, minimum 3 star, inverter split air conditioner, Godrej make or similar.	Numbers	10.00	50500.46	505004.60
2	2	Instatlation and testing.	Numbers	10.00	1850.24	18502.40
3	3	Supply, erection of suitable refrigerant gas pipe with insulation if required extra than supplied with unit.	Metre	50.00	949.90	47495.00
4	4	Supply cord, 3 core, 2.5 sqmm, Cu, if required extra than supplied with unit.	Metre	50.00	100.30	5015.00
5	5	Supply, erection of bracket for outdoor unit.	Numbers	10.00	949.90	9499.00
6	6	Supply and laying of PVC drain pipe if required extra than supplied with unit.	Metre	50.00	79.71	3985.50
7	7	Raping Tape.	Numbers	5.00	149.86	749.30
8	8	Core cutting	Numbers	10.00	1499.78	14997.80
					<b>Total</b>	<b>605248.60</b>

**4. ELIGIBILITY CONDITIONS**

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Technical Eligibility Criteria The tenderer must have successfully or substantially* completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works, each costing not less than the amount equal to 30% of advertised value of the tender, OR Two similar works, each costing not less than the amount equal to 40% of advertised value of the tender, OR One similar work, each costing not less than the amount equal to 60% of advertised value of the tender. Note: "The similar nature of work is defined is "Construction of building on framed RCC structure of minimum G+2 storey" *To be read along with 15.8	No	No	Allowed (Mandatory)

**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

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1	Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIII (Mandatory), along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note: Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India. As per Clause No. 10.2 of Tender Form (second Sheet) of Annex. I of Part-I of GCC APRIL-2022, with up to date correction slip.	No	No	Allowed (Mandatory)
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**5. COMPLIANCE**

**Check Lst**

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

**Commercial-Compliance**

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

**Special Conditions**

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

**Technical-Compliances**

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

**Undertakings**

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

**6. Documents attached with tender**

S.No.	Document Name	Document Description
No Document Attached		

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC  
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This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** VIPIN PARIHAR

**Designation :** DYPMHQ