

ABSTRACT OF COST**S.No. 1 (A) Amenities Shops**

<u>S. No.</u>	<u>ITEM OF CIVIL WORK</u>	<u>AMOUNT</u>		
1.00	Earth Work	Rs.	72813	
2.00	Concrete Work	Rs.	104314	
3.00	R.C.C. Work	Rs.	711417	
4.00	Brick Work	Rs.	210497	
5.00	Marble Work	Rs.	345607	
6.00	Steel Work	Rs.	3290	
7.00	Flooring	Rs.	69482	
8.00	Roofing	Rs.	914	
9.00	Finishing	Rs.	110688	
10.00	Water Proofing Work	Rs.	62079	
		Rs.	1691100	(A)
11.00	Market Rates Items	Rs.	1513635	(B)
Total = (A) + (B) =		Rs.	3204735	

S.No. 1 (A) Amenities Shops

Item No.	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
1.00	2.0	<u>EARTH WORK</u>				
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.				
	2.28.1	All kinds of soil.	155.00	Sqm	13.95	2162
1.02	2.8	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.				
	2.8.1	All kinds of soil	120.00	Cum	166.40	19968
1.03	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation/ banking excavated or stacked materials.				
	2.26.1	All kinds of soil.	6.00	Cum	51.75	311
1.04	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	158.00	Cum	125.75	19869
1.05	1.1.2	Carriage of material by mechanical transport including loading and unloading for a lead upto 1km	39.00	Cum	98.34	3835
1.06	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	10.00	Cum	917.75	9178
1.07	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
	2.34.1	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	21.00	Litre	185.95	3905
1.08	2.35	Diluting and injecting chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				
	2.35.3.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	103.00	Sqm	131.90	13586
Total Earth Work :						72813
2.00	4.0	<u>CONCRETE WORK</u>				
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	15.00	Cum	4478.15	67172
2.02	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	Cum	6547.70	6548

2.03	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	54.00	Sqm	450.35	24319	
2.04	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	17.00	Sqm	263.10	4473	
2.05	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.	5.00	Per 50 kg cement	47.95	240	
2.06	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg 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.	17.00	Sqm	91.90	1562	
		Total Cement Concrete work :				104314	
3.00	5.0	<u>R.C.C. WORK</u>					
	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.					
3.01	5.33.1	All works upto Plinth level	25.00	Cum	6446.45	161161	
3.02	5.33.2	All works above plinth level upto floor V level	16.00	Cum	7250.05	116001	
3.03	5.22	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
	5.22.6	Thermo-Mechanically Treated bars	3466.00	Kg	56.60	196176	
3.04	5.22A	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.					
	5.22A.6	Thermo-Mechanically Treated bars	2184.00	Kg	56.60	123614	
3.05	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :					
	5.9.1	Foundation, footing, bases of columns etc. for mass concrete	41.00	Sqm	193.95	7952	
	5.9.3	Suspended floors, roofs, landings, balconies, and access platform	57.00	Sqm	422.30	24071	
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	103.00	Sqm	342.90	35319	
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	85.00	Sqm	467.85	39767	
	5.9.14	Extra for shuttering in circular work (20% of respective centering and shuttering items)	23.00	Sqm	93.57	2152	
	5.9.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	1.00	Sqm	193.95	194	
	5.9.16	Edges of slabs and breaks in floors and walls					
	5.9.16.1	Under 20 cm wide	41.00	metre	122.20	5010	
		Total R.C.C. Work :				711417	

4.00	6.0	BRICK WORK					
4.01	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	6.1.2	a) Cement mortar 1:6 (1 cement : 6 coarse sand)	6.00	Cum	4751.65	28510	
4.02	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in- Charge. (The payment of RCC band and reinforcement shall be made for seperately).	32.00	Cum	5687.10	181987	
		Total Brick Work :				210497	
5.00	8.0	MARBLE WORK					
5.01	8.12	Providing and laying flamed finish 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 :					
	8.12.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	35.00	Sqm	2887.85	101075	
5.02	Analysed on DSR	Granite stone slab 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete.	1.00	Sqm	2365.00	2365	
5.03	Analysed on DSR	Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. Granite stone 30mm thick	35.00	Sqm	4120.00	144200	
5.04	7.25	Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.	188.00	Kgs	521.10	97967	
		Total Marble Work :				345607	
6.00	10.0	STEEL WORK					
6.01	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.					
	10.27.4	10 x 140 mm	32.00	Nos	102.80	3290	
		Total Steel Work :				3290	

7.00	11.0	FLOORING					
7.01	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 colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					
	11.41.2	Size of Tile 600x600 mm	57.00	Sqm	1119.4	63806	
7.02	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, dado, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.					
	11.46.2	Size of Tile 600x600 mm	5.00	Sqm	1135.20	5676	
		Total Flooring Work :				69482	
8.00	12.0	ROOFING					
8.01	12.22	Making khurra 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mx1mx400 micron, finished with 12mm 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 :	4.00	Each	187.60	750	
8.02	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	4.00	Each	40.90	164	
		Total Roofing Work :				914	
9.00	13.0	FINISHING					
9.01	13.4	12 mm cement plaster of mix :					
	13.4.2	1:6 (1 cement : 6 coarse sand)	147.00	Sqm	168.25	24733	
9.02	13.16	6 mm cement plaster of mix:					
	13.16.1	1:3 (1 cement : 3 fine sand)	17.00	Sqm	143.80	2445	
9.03	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	129.00	Sqm	255.55	32966	
9.04	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	164.00	Sqm	118.70	19467	
9.05	13.83	Wall painting with premium acrylic emulsion paint of interior grade, 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.					
	13.83.2	Two coats	164.00	Sqm	71.00	11644	
9.06	13.45	Finishing walls with textured exterior paint of required shade :					
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	129.00	Sqm	150.65	19434	
		Total Finishing Work :				110688	

10.00	22.0	WATER PROOFING					
10.01	22.7	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 operation:					
		a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS 2645 over the RCC slab including cleaning the surface before treatment.					
		b) Laying cement concrete using broken bricks / brick bats 25mm to 100 mm size with 50% cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 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 admixed with proprietary water proofing compound conforming to IS : 2645.					
		d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300x300 mm square.					
		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 operation to be done in order and as directed and specified by Engineer-in-charge.					
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	60.00	Sqm	1034.65	62079	
		Total Water Proofing work :				62079	
11.00		MARKET RATE ITEMS					
11.01	NS	P/F Acrylic Shutters	29.00	Sqm		0	
11.02	MR	Design detailing providing fabrication assembling and erection of Nano-polymered fluorinated lacquer, Multi-composed PVDF-lacquer system on both sides, low wick treated, protected against microbial and fungal attack, UV protected, Ferrari, Mehatop N of Mehler or Approved equivalent, system with reduce friction coefficient properties for roofing systems as per the manufacture specifications & as per approved Drawing. The sheeting material shall have minimum tensile strength of 6000/5500 N/50 mm and tear strength of range 500/500N with PVDF finishing and having weight of 1050 gm/sqm having 20 years of warranty. This work shall including raw material patterning, forming, cutting, welding, fixing and installation with GI cable, flashing, hardware required as per the draw mild steel stud all patti, galvanised corner plate, EPDM etc. including lifts up to all heights, tools and plants, and necessary scaffolding as required for all operations. all other accessories/ hardware like, clamping systems structure, cable, edge fittings, tensioning arrangements shall be cover under this item. of the surface before application of primer/ paint. Flashing - Edge of the canopy along the edge of the roof structure shall be properly sealed as to avoid leakages. water for roof covering shall be drained in to the main peripheral gutter of the roof structure. the item shall be executed as per approved drawing	129.00	Sqm	5235.00	675315	

12.00	NS	Tensile Shade Canopy with 902S2 PVC Fabric from Ferrari 902 gsm					
12.01	NS	Design, Supply, Fabrication and Installation of Membrane Panels & steel Cables and GI corner fittings nuts and bolts and associated accessories with membrane works. The design complies ith the requirements of BS and, EU Standards. The tensioned membrane structure shall include engineering design of structural members and accessory parts. Membrane system shall include Membrane Fabric, Wire Ropes and Cables, Shackles, Rigging Screws, Clamps and tensioning hardware. Providing and installing Steel structure along with 902 S2 PVDF coated PVC fabric, GI cables and GI coated and powder coated corner fixing, SS toggles and nuts and bolts with 3.16 grade, complete with designing patterning and installation. All the steel structure will be coated with 2 coats of DUCO paint complete with designing fabrication and installation. Approximate Steel qty : 2.5 Kg per sq ft. (16 mtr x 6.25 mtr area)	120.00	Sqm	6986.00	838320	
		Total of Market Rate Items			Rs.	1513635	

ABSTRACT OF COST					
S.No. 1 (B) : Toilet Blocks					
S.No.	ITEM OF CIVIL WORK	AMOUNT			
1.00	Earth Work	Rs.	62090	/-	
2.00	Concrete Work	Rs.	102205	/-	
3.00	R.C.C. Work	Rs.	858839	/-	
4.00	Brick Work	Rs.	252493	/-	
5.00	Marble Work	Rs.	332245	/-	
6.00	Wood Work	Rs.	207327	/-	
7.00	Steel Work	Rs.	897	/-	
8.00	Flooring	Rs.	332169	/-	
9.00	Roofing	Rs.	130480	/-	
10.00	Finishing	Rs.	86548	/-	
11.00	Aluminium Works	Rs.	4313	/-	
12.00	Water Proofing Work	Rs.	117950	/-	
		Rs.	2487557	/-	(A)
14.00	Market Rates Items	Rs.	650000	/-	(B)
Total = (A) + (B) =		Rs.	3137557	/-	

S.No. 1 (B) Toilet Blocks

Item No	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.	
1.00	2.0	EARTH WORK					
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.					
	2.28.1	All kinds of soil.	165.00	Sqm	13.95	2302	/-
1.02	2.8	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.					
	2.8.1	All kinds of soil	92.00	Cum	166.40	15309	/-
1.03	2.26	Extra for every additional lift of 1.5 m or part thereof in excavation/ banking excavated or stacked materials.					
	2.26.1	All kinds of soil.	5.00	Cum	51.75	259	/-
1.04	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	141.00	Cum	125.75	17731	/-
1.05	1.1.2	Disposal of material by mechanical transport including loading and unloading for a lead upto 10km	49.00	Cum	203.42	9968	/-
1.06	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	10.00	Cum	917.75	9178	/-
1.07	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.					
	2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	9.00	Litre	185.95	1674	/-
1.08	2.35	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :					
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :					
	2.35.3.1	With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	43.00	Sqm	131.90	5672	/-
		Total Earth Work :				62090	
2.00	4.0	CONCRETE WORK					
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.					
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	15.00	Cum	4478.15	67172	/-

2.02	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					
	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	Cum	6547.70	6548	/-
2.03	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	51.00	Sqm	450.35	22968	/-
2.04	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	15.00	Sqm	263.10	3947	/-
2.05	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.	4.00	Per 50 kg cement	47.95	192	/-
2.06	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg 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.	15.00	Sqm	91.90	1379	/-
		Total Cement Concrete work :				102205	
3.00	5.0	R.C.C. WORK					
3.01	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."					
	5.33.1	All works upto Plinth level	23.00	Cum	6446.45	148268	/-
3.02	5.33.2	All works above plinth level upto floor V level	27.00	Cum	7250.05	195751	/-
3.03	5.22	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					

	5.22.6	Thermo-Mechanically Treated bars	3109.00	Kg	56.60	175969	/-
3.04	5.22A	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.					
	5.22A.6	Thermo-Mechanically Treated bars	3670.00	Kg	56.60	207722	/-
3.05	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :					
	5.9.1	Foundation, footing, bases of columns etc. for mass concrete	29.00	Sqm	193.95	5625	/-
	5.9.3	Suspended floors, roofs, landings, balconies, and access platform	98.00	Sqm	422.30	41385	/-
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	123.00	Sqm	342.90	42177	/-
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	73.00	Sqm	467.85	34153	/-
	5.9.4	Shelves	6.00	Sqm	422.30	2534	/-
	5.9.16	Edges of slabs and breaks in floors and walls					
	5.9.16.1	Under 20 cm wide	43.00	metre	122.20	5255	/-
		Total R.C.C. Work :				858839	
4.00	6.0	BRICK WORK					
4.01	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	6.1.2	a) Cement mortar 1:6 (1 cement : 6 coarse sand)	2.00	Cum	4751.65	9503	/-
4.02	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	42.00	Cum	5687.10	238858	/-
4.03	6.45	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level.					
	6.45.2	Cement mortar 1:4 (1 cement :4 coarse sand)	5.00	Sqm	769.50	3848	/-
4.04	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	5.00	Sqm	56.85	284	/-
		Total Brick Work :				252493	
5.00	8.0	MARBLE WORK					
5.01	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					
	8.2.2	Granite of any colour and shade					
	8.2.2.1	Area of slab upto 0.50 sqm	3.00	Sqm	3351.95	10056	/-
5.02	8.2.2.2	Area of slab over 0.50 sum.	5.00	Sqm	3113.30	15567	/-
5.03	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.	10.00	each	427.95	4280	/-

5.04	8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.					
	8.10.2	Granite Stone of approved shade	7.00	Sqm	2831.95	19824	/-
5.05	analysed on DS	Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. Granite stone 30mm thick	41.00	Sqm	4120.00	168920	/-
5.06	7.25	Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.	218.00	Kgs	521.10	113600	/-
		Total Marble Work :				332245	
6.00	9.0	<u>WOOD WORK</u>					
6.01	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).					
	9.1.1	Second class teak wood	1.00	Cum	92743.05	92743	/-
6.02	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:					
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	16.00	Sqm	1559.75	24956	/-
6.03	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete.					
	9.96.2	250x16 mm	20.00	Each	189.20	3784	/-

6.04	9.97	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:					
	9.97.4	150x10 mm	10.00	Each	64.30	643	/-
6.05	9.100	Providing and fixing aluminium handle ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:					
	9.100.1	125 mm	20.00	Each	51.10	1022	/-
6.06	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete:					
	9.101.2	a) Twin rubber stopper	10.00	Each	38.00	380	/-
6.07	9.103	Providing and fixing bright finished brass 100mm mortice latch and lock ISI marked with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete	1.00	Each	622.15	622	/-
6.08	9.38	Providing and fixing 4mm thick coir veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete	63.00	Sqm	837.40	52756	/-
6.09	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).	60.00	each	118.60	7116	/-
6.10	9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately)					

		Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.					
c)	9.147D.3	Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension . (Area of window above 1.75 sqm upto 2.50 sqm).	4.00	Sqm	5826.05	23304	/-
Total Wood Work :						207327	
7.00	10.0	STEEL WORK					
7.01	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.					
	10.27.2	10 x 80 mm	12.00	Nos	74.75	897	/-
Total Steel Work :						897	
8.00	11.0	FLOORING					
8.01	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 colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					
	11.41.2	Size of Tile 600x600 mm	100.00	Sqm	1119.4	111940	/-
8.02	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, dado, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.					
	11.46.2	Size of Tile 600x600 mm	194.00	Sqm	1135.20	220229	/-
Total Flooring Work :						332169	
9.00	12.0	ROOFING					
9.01	12.22	Making khurra 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mx1mx400 micron, finished with 12mm 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 :	4.00	Each	187.60	750	/-
9.02	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	4.00	Each	40.90	164	/-

9.03	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 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm 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 spacing 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 20 mm 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 on 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 and direction of the Engineer in Charge but excluding the cost of painting with :					
	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	30.00	Sqm	806.20	24186	/-
9.04	12.54	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :					

	12.54.2	GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electrostatically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.	69.00	Sqm	1527.25	105380	/-
		Total Roofing Work :				130480	
10.00	13.0	FINISHING					
10.01	13.4	12 mm cement plaster of mix :					
	13.4.2	1:6 (1 cement : 6 coarse sand)	46.00	Sqm	168.25	7740	/-
10.02	13.16	6 mm cement plaster of mix:					
	13.16.1	1:3 (1 cement : 3 fine sand)	3.00	Sqm	143.80	431	/-
10.03	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	165.00	Sqm	255.55	42166	/-
10.04	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	49.00	Sqm	118.70	5816	/-
10.05	13.83	Wall painting with premium acrylic emulsion paint of interior grade, 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.					
	13.83.2	Two coats	78.00	Sqm	71.00	5538	/-
10.06	13.45	Finishing walls with textured exterior paint of required shade :					
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	165.00	Sqm	150.65	24857	/-
		Total Finishing Work :				86548	
11.00	21.0	ALUMINIUM WORKS					
11.01	21.3	Providing and fixing glazing in aluminium door,					
	21.3.2	With float glass panes of 5.50 mm thickness	4.00	Sqm	1003.95	4016	/-

11.02	9.12	Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	4.00	Sqm	74.35	297	/-
		Total Aluminium Works :				4313	
12.00	22.0	<u>WATER PROOFING</u>					
12.01	22.7	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 operation:					
		a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with proprietary water proofing compound conforming to IS 2645 over the RCC slab including cleaning the surface before treatment.					
		b) Laying cement concrete using broken bricks / brick bats 25mm to 100 mm size with 50% cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20mm thick layer of cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 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 admixed with proprietary water proofing compound conforming to IS : 2645.					
		d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300x300 mm					
		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 operation to be done in order and as directed and specified by Engineer-in-charge.					
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	114.00	Sqm	1034.65	117950	/-
		Total Water Proofing work :				117950	

13.00		MARKET RATE ITEMS					
13.01	MR	Providing and installing Merino or approved equivalent TITAN CEILING HUNG SS series cubicles of width and depth as per drawings of height 2400 mm. Made from solid grade compact high pressure laminate as per IS:2046 manufactured under high specific pressure > 5 MPa and temperature >120oC with bunch of kraft papers impregnated with thermosetting phenolic resin and decorative papers made of Alpha cellulose fiber impregnated with thermosetting melamine resin which provide superior scratch, abrasion, heat, chemical, impact, graffiti & moisture resistance along with anti-bacterial properties. All Pilasters and doors shall be of 18mm thick HPL compact board with chamfered edge. All Pilasters will be suspended from the wall mounted.					
		Top Rail and section fixed with a steel plate from above the false ceiling. The assembled parts at the top below ceiling will then be beautifully concealed by the Stainless Steel Box Up construction. Pilasters will be routed at its vertical ends to facilitate closure of Doors. The intermediate panel shall be of 12 mm thick HPL and anchored to the wall and pilasters. The visible height from finished-floor level (FFL) to false ceiling is 2400mm, including a floor clearance of 150mm and without any support from the bottom in suede finish. Size of panels shall be as per drawings and specifications.					
		<p>Hardware and Accessories shall be as follows:</p> <ul style="list-style-type: none"> • H shaped (Top) head frame structure made of extruded Aluminum grade 6063 T5-50 micron epoxy powder coated for surface protection. Size to be 125x70x5T. Corner joinery section, Size to be 40x16.5x1.8T. U-Channel Wall joinery section, Size to be 22x16x1.6T. Door stopper section, Size to be 21x12.5x1.6T. • Spring loaded Butt Hinges made from Stainless steel grade 304. Surface finish to be matt type. Covers to be lacor coated. • Conical shape Coat hook with rubber stopper made from Stainless steel grade 304. Surface finish to be matt type. • Round Door knob diameter 30 mm with grooves for better hand grip made from Stainless steel grade 304. Surface finish to be matt type. • Rotating Thumb-turn locking system with privacy indicator made from Stainless steel grade 304. Surface finish to be matt type. • Stainless steel grade 304 screws. • Anti-rotation Nylon polyamide grade-6 expandable wall plugs. • The Work shall complete as per drawing, specifications, manufacturers recommendations and as directed by the Engineer in charge. Size (1500x25)mm 	10.00	each	65000	650000	/-
		Total of Market Rate Items			Rs.	650000	

ABSTRACT OF COST				
S. No. 2 : Pathway				
<u>S. No.</u>	<u>ITEM OF CIVIL WORK</u>	<u>AMOUNT</u>		
1.00	Earth Work	Rs.	10862	/-
2.00	Concrete Work	Rs.	134345	/-
3.00	Road work	Rs.	256436	/-
Total		Rs.	401642	/-

S. No. 2 : Pathway							
Item No	DSR 2016	Description of Item	Quantity	Unit	Rate	Amount	
					Rs.	Rs.	
1.00	2.0	<u>EARTH WORK</u>					
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.					
	2.28.1	All kinds of soil.	400.00	Sqm	13.95	5580	/-
1.02	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	42.00	Cum	125.75	5282	/-
		Total Earth Work :				10862	
2.00	4.0	<u>CONCRETE WORK</u>					
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and					
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	30.00	Cum	4478.15	134345	/-
		Total Cement Concrete work :				134345	
3.00	16.0	<u>ROAD WORK</u>					
3.01	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	80.00	Cum	10.70	856	/-
3.02	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineerin-Charge.					
	16.91.2	80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern.	400.00	Sqm	638.95	255580	/-
		Total Road Work :				256436	

ABSTRACT OF COST

S.No.3 : Road Works				
<u>S. No.</u>	<u>ITEM OF CIVIL WORK</u>	<u>AMOUNT</u>		
1.00	Earth Work	Rs.	23692	/-
2.00	Road work	Rs.	1738183	/-
	Total	Rs.	1761875	/-

S.No.3 : Road Works

Item No.	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.	
1.00	2.0	EARTH WORK					
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.					
	2.28.1	All kinds of soil.	1500.00	Sqm	13.95	20925	/-
1.02	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	22.00	Cum	125.75	2767	/-
		Total Earth Work :				23692	
2.00	16.0	ROAD WORK					
2.01	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	200.00	Cum	10.70	2140	/-
2.02	16.43	"Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately)					
	16.43.1	Cement concrete prepared with batch mixing machine	200.00	Cum	6893.25	1378650	/-
2.03	16.80	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineerin- charge.	100.00	Cum	450.35	45035	/-
2.04	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.					
	16.78.2	With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	150.00	Cum	2080.15	312023	/-

	2.05	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	7.00	Cum	47.95	336	/-
			Total Road Work :				1738183	

ABSTRACT OF COST				
S.No. 4 Septic Tank (20000 Ltr.)				
<u>S. No.</u>	<u>ITEM OF CIVIL WORK</u>	<u>AMOUNT</u>		
1.00	SITE DEVELOPMENT AND EARTH WORK	Rs.	11330	/-
2.00	PLAIN and REINFORCED CEMENT CONCRETE WORK	Rs.	105801	/-
3.00	WATER PROOFING	Rs.	24896	/-
4.00	MISCELLANEOUS WORKS	Rs.	8534	/-
Total		Rs.	150561	/-

S.No. 4 Septic Tank (20000 Ltr.)							
Item No	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.	
S No	Item No in DSR-2016	DESCRIPTION	UNIT	RATE	QTY	AMOUNT	
1.0		SITE DEVELOPMENT AND EARTH WORK					
1.1		EARTH WORK IN EXCAVATION					
1.1.1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas including disposal of excavated earth, lead upto 50m and lift upto 1.5m, surface to be levelled and neatly dressed.					
a	2.6.1	All kinds of soil	cum	126	60	7,557	
						0	
1.2		Earth Filling				0	
1.2.1	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. (Net consolidated area fill volume will be computed from the initial and final levels. Volume in slopes, embankments etc. will be computed applying appropriate formula, as per CPWD specification).	cum	126	30	3,773	
		Total carried over to summary				11,330	
2.0		CONCRETE WORK (PLAIN AND RCC)					
		(Rates for all cement concrete items plain and reinforced described below shall include work from Basement Level to top of last roof including roof of machine room, Mumty, over head water tanks and parapets above at all floors and for all heights, required hacking of the surfaces for smooth plaster. (This section covers cast in situ structural and architectural as well as precast structural and architectural concrete work).				0	
						0	
		Plain cement concrete				0	

2.1	4.19	Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.				0	
		Note :				0	
		(1) Excess/less cement used than specified in this item is payable/ recoverable separately.				0	
		(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC.				0	
2.1.1	4.19.1	All works upto plinth level :				0	
a	4.19.1.1	M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)	cum	6,067	1.5	9,100	
		Cast - in -situ concrete				0	
2.3	5.40	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content as per approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C.from transit mixer to site of laying, excluding the cost of centering,shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.				0	
		NOTE- (1) Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.				0	

		(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 in the items of BMC and RMC.				0	
2.3.1	5.40.1	All works up to Plinth level.	cum	6692	10	66,919	
2.5	5.9	Centering and shuttering				0	
		Approved Marine plywood shuttering and centering for structural concrete work in locations called for including strutting, propping, bracing, bolting, wedging, casing, striking, removal etc. complete for any size, section, thickness. Props shall consist of well designed steel pipes adequately braced (wooden ballies as props shall not be permitted). The item to include centering and shuttering at all heights and levels.				0	
		Allow for forming grooves, drip course, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. Unexposed concrete surfaces subsequently left untreated (in the condition obtained on removal of form work) shall not constitute exposed concrete work and shall be measured under this item only. Irregular shapes with sides which may not be perpendicular to each other for shapes not conforming to rectangle or square shall not be paid separately. (quoted rate to include all staging upto any height).				0	
		Foundation, raft slabs, raft beams, plinth beam, pedestals/ bases of columns grade slab, Retaining walls (any thickness), suspended floors, roofs, landings, balconies, stairs and landings, slabs of water tank, ramp slabs, lintels, beams, floor beams, girders, cantilever beams, deep beams, ramp beams, Columns, pillars, piers, abutments, posts and struts, off sets & projection of columns, transfer columns, lift walls, water tank walls, swimming pool wall ,ramp walls, all structural walls, Shelves in kitchen/ pantries and toilets, Parapets, Planters, vertical fins, balcony facias, projections, pergolas as per the shape and profiles indicated in the drawings, Cornices, moulding , bands , corbelling, strips, Folded plate staircase steps etc.				0	
						0	
a.	5.9.1	Foundation, raft slabs, raft beams, plinth beam, pedestals/ bases of columns grade slab etc.	sqm	194	5	970	
						0	
b.	5.9.2	Retaining walls (any thickness)	sqm	379	50	18,930	
						0	

c.	5.9.3	Suspended floors, roofs, landings, balconies, stairs and landings, slabs of water tank, ramp slabs, lintels, beams, floor beams, girders, cantilever beams, deep beams, ramp beams etc.	sqm	422	10	4,223	
						0	
2.6	5.22	Reinforcement steel				0	
		Laying and fixing in position steel reinforcement in all reinforced concrete work, including straightening, cutting, removal of loose rust by wire brush and coating with cement slurry, bending, hoisting, laying in position to the shape and profile required at all levels and heights as per drawing and design and/ or as directed, binding with 16 gauge MS annealed steel wire etc. complete. (Quoted rate also to include providing & fixing the binding wire, cement mortar spacer blocks etc.)				0	
						0	
2.6.1	5.22.6	Thermo mechanically Treated Reinforcement (TMT) or High yield strength Deformed (Tor steel) bars of all size & grades. Basic Rate of Steel : Rs. 50000/Tonne				0	
a		FE-500 Grade	MT	5,660	1.0	5,660	
		Total carried over to summary				105,801	
						0	
3.0		WATER PROOFING				0	
		(Quoted Rates are for all heights, depths, levels, leads and lifts) The operations describe below are only indicative & the item is to be executed as per technical/ manufacturer's specification. Testing shall be done by ponding water (150mm depth) for 72 hours.				0	
		Note: (The Water proofing work must be executed by an approved specialised Agency. The Contractor shall give a 10 years guarantee as per instruction of the Project Manager).				0	
						0	
3.1		Injection Waterproofing				0	
		Providing and applying Injection water proofing treatment for basement, under ground tank and other RCC structure with the following operations				0	
						0	
a		FOR VERTICAL WALLS				0	

		From inside :- Providing and laying water proofing treatment by chemical injection grout process in water tank (Under ground and Over head) or other areas using 20mm dia MS nozzles of minimum 25mm deep in walls placed and fixed @1.2m distance in both direction in the wall and @ 0.75m c/c along construction joints, consisting of injecting cement slurries of different viscosities under pressure by pump using acrylic based water proofing chemical mixed with neat cement slurry and sealing off nozzles after the injection operation with suitable admixture of approved make manufacturers specification	sqm	250	30	7,500	
						0	
b		FOR HORIZONTAL SURFACES				0	
		Providing and laying water proofing treatment by chemical injection grout process on base raft of under ground water tank or other area as per specifications comprising of two layers of Cement mortar 1:3 mixed with Acrylic water proofing compound, providing and fixing 20 mm pipe sleeves at 1.2m C/C and grouting acrylic based water proofing chemical mixed with neat cement slurry through the pipes with, complete with cutting & sealing of the pipes as per specification and direction of Project Manager.	sqm	250	10	2,500	
						0	

3.2		Glazed Tiles				0	
a	11.36	Providing and fixing 1st quality ceramic glazed wall & floor 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.	sqm	745	20	14,896	
		Total to be carried over the summary				24,896	
						0	
4.00		MISCELLANEOUS WORKS					
		(Quoted Rates are for all heights, depths, levels, leads and lifts)				0	
						0	
4.1		Foot Rest for Water Tank					
a	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112mm 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 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	each	328	5	1,640	
4.2		PVC Water Stopper				0	
		Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete :				0	
a	22.4.2	Dumb bell with central bulb (180 mm wide, 8 mm thick)	rmt	201	5	1,004	
4.3		Man Hole Cover					
	19.18	Supplying and fixing C.I. cover with frame for manholes :					

	19.18.3	560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg	each	5,891	1	5,891	
		Total carried over to summary				8,534	

ABSTRACT OF COST				
S.No. 5 Boundary Wall				
S. No.	ITEM OF CIVIL WORK	AMOUNT		
1.00	Earth Work	Rs.	90185	/-
2.00	Concrete Work	Rs.	63632	/-
3.00	R.C.C. Work	Rs.	962816	/-
4.00	Brick Work	Rs.	252397	/-
5.00	Steel Work	Rs.	115611	/-
6.00	Flooring	Rs.	69339	/-
7.00	Finishing	Rs.	226832	/-
	Total	Rs.	1780812	/-

S.No. 5 : Boundary Wall						
Item No	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
1.00	2.0	EARTH WORK				
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.				
	2.28.1	All kinds of soil.	287.00	Sqm	13.95	4004/-
1.02	2.6	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.				
	2.6.1	a) All kinds of soil	324.00	Cum	125.95	40808/-
1.03	2.25	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.	267.00	Cum	125.75	33575/-
1.04	1.1.2	Disposal of surplus earth by mechanical transport including loading, unloading for a lead upto 10.00 Km.	58.00	Cum	203.42	11798/-
		Total Earth Work :				90185
2.00	4.0	CONCRETE WORK				
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	11.00	Cum	4478.15	49260/-
2.02	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	39.00	Sqm	263.10	10261/-
2.03	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.	11.00	Per 50 kg cement	47.95	527/-
2.04	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg 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.	39.00	Sqm	91.90	3584/-
		Total Cement Concrete work :				63632
3.00	5.0	R.C.C. WORK				
	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."				
3.01	5.33.1	All works upto Plinth level	48.00	Cum	6446.45	309430/-
3.02	5.33.2	All works above plinth level upto floor V level	16.00	Cum	7250.05	116001/-
3.03	5.22	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars	3735.00	Kg	56.60	211401/-

3.04	5.22A	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.					
	5.22A.6	Thermo-Mechanically Treated bars	2142.00	Kg	56.60	121237	/-
3.05	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :					
	5.9.1	Foundation, footing, bases of columns etc. for mass concrete	117.00	Sqm	193.95	22692	/-
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	168.00	Sqm	342.90	57607	/-
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	266.00	Sqm	467.85	124448	/-
		Total R.C.C. Work :				962816	
4.00	6.0	BRICK WORK					
4.01	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	6.1.2	a) Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	Cum	4751.65	4752	/-
4.02	6.32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :					
	6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	47.00	Cum	5269.05	247645	/-
		Total Brick Work :				252397	
5.00	10.0	STEEL WORK					
5.01	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1757.00	Kgs	65.80	115611	/-
		Total Steel Work :				115611	
6.00	11.0	FLOORING					
6.01	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	56.00	Sqm	1238.2	69339	/-
		Total Flooring Work :				69339	
7.00	13.0	FINISHING					
7.01	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	526.00	Sqm	255.55	134419	/-
7.02	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade					
	13.61.1	Two or more coats on new work	168.00	Sqm	78.40	13171	/-
7.03	13.45	Finishing walls with textured exterior paint of required shade :					
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm	526.00	Sqm	150.65	79242	/-
		Total Finishing Work :				226832	

ABSTRACT OF COST (ELECTRICAL)				
S. No. 6: Electrical Works				
S No	DESCRIPTION	DSR AMOUNT		Non-DSR AMOUNT
A	Point Wiring	Rs.	193733	
B	Submain & Control Wiring	Rs.	85190	
C	Cables	Rs.	119896	40392
D	Distribution Boards	Rs.	32679	
E	Provision for Voice & Data	Rs.	1904	3812
F	Earthing	Rs.	32218	
G	Panels & Floor Boards	Rs.		475952
H	Safety Items	Rs.		26399
I	DG Set	Rs.		272000
	TOTAL	Rs.	465620	818556
	GRAND TOTAL	Rs.	1284176	

SCHEDULE OF QUANTITIES (ELECTRICAL)						
S. No. 6: Electrical Works						
Item No	DSR 2016	Description of Item	Quantity	Unit	Rate	DSR Amount
					Rs.	Non-DSR Amount
					Rs.	Rs.
A	DSR 2016	Point Wiring				
A.1	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	1.3.3	Group C	98	Point	1037.00	101626.00
						0.00
A.2	1.5	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	195	Metre	239.00	46605.00
						0.00
A.3	1.6	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	90	Metre	366.00	32940.00
						0.00
A.4	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
	1.24.1	5/6 amps switch	13	Each	84.00	1092.00
	1.24.3	15/16 amp switch	6	Each	114.00	684.00
	1.24.4	3 pin 5/6 amp socket outlet	13	Each	81.00	1053.00
	1.24.5	6 pin 15/16 amp socket outlet	6	Each	153.00	918.00
						0.00
A.5	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	4	Each	288.00	1152.00
						0.00
A.6	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Each	24.00	480.00
						0.00
A.7	1.27	Supplying and fixing following size/module, GI box along with Modular base & cover plate for modular switches in recess etc. as required.				
	1.27.1	1 or 2 Module	2	Each	175.00	350.00
	1.27.2	3 Module	19	Each	185.00	3515.00
	1.27.3	4 Module	2	Each	205.00	410.00
	1.27.4	6 Module	4	Each	258.00	1032.00
	1.27.5	8 Module	4	Each	297.00	1188.00
	1.27.6	12 Module	2	Each	344.00	688.00
		SUBHEAD TOTALS CARRIED TO SUMMARY				193733.00
						0.00
B		Submain and Control wiring				
B.1	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required				
	1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	120	Metre	181.00	21720.00
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	75	Metre	206.00	15450.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	25	Metre	237.00	5925.00
	1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	25	Metre	324.00	8100.00
	1.7.5	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	60	Metre	392.00	23520.00
	1.7.6	2 X 16 sq. mm + 1 X 6 sq. mm earth wire	10	Metre	530.00	5300.00

B.2	1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					
	1.20.2	25 mm	15	Metre	147.00	2205.00	
	1.20.3	32 mm	15	Metre	198.00	2970.00	
		SUBHEAD TOTALS CARRIED TO SUMMARY				85190.00	0.00
C		Cables					
C.1	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
	7.1.1	Upto 35 sq. mm	350	Metre	206.00	72100.00	0.00
	7.1.2	Above 35 sq. mm and upto 95 sq. mm	150	Metre	214.00	32100.00	0.00
C.2	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
	9.1.21	3½ X 35 sq. mm (32mm)	4	Each	282.00	1128.00	0.00
	9.1.33	4 X 16 sq. mm (28mm)	20	Each	255.00	5100.00	0.00
	9.1.34	4 X 25 sq. mm (28mm)	28	Each	258.00	7224.00	0.00
	9.1.32	4 X 10 sq. mm (25mm)	4	Each	203.00	812.00	0.00
	9.1.36	3½ X 50 sq. mm (35mm)	4	Each	358.00	1432.00	0.00
		LT Cables					
C.4	MR	Supply of following XPLE armoured 1.1 KV grade conforming to I.S.7098/1554Aluminium Conductor Cables :					
		Supply of following sizes of PVC sheathed PVC/XLPE insulated Aluminium conductor armoured cable of 1.1 KV grade conforming to IS:7098 part-1 / IS:1554 part-1 respectively & ISI marked.					
	(a)	3.5 C x 50 Sqmm XLPE cable	50	RM	192.17		9608.40
	(b)	3.5 C x 35 Sqmm XLPE cable	100	RM	148.10		14810.40
	©	4 C x 25 Sqmm	50	RM	134.64		6732.00
	(d)	4 C x 16 Sqmm	50	RM	98.53		4926.60
	(e)	4c x 10 sqm XLPE cable	50	RM	86.29		4314.60
		SUBHEAD TOTALS CARRIED TO SUMMARY				119896.00	40392.00
D		DB					
D.1	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10	Each	7.00	70.00	
D.2	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.10.1	Single pole	48	Each	173.00	8304.00	
	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.13.1	40 amps	1	Each	667.00	667.00	
	2.13.2	63 amps	1	Each	678.00	678.00	
D.3	2.5	Supplying and fixing following way, vertical type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
	2.5.2	8 way (4 + 24), Double door	1	Each	5664.00	5664.00	
	2.5.3	12 way (4 + 36), Double door	1	Each	7189.00	7189.00	

D.5	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.14.1	25 amps	3	Each	1650.00	4950.00	
	2.14.2	40 amps	3	Each	1719.00	5157.00	
		SUBHEAD TOTALS CARRIED TO SUMMARY				32679.00	
E		PROVISIONS FOR VOICE, DATA, SECURITY & TV SYSTEMS					
E.1	1.24	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	1.24.6	Telephone socket outlet	4	Set	96.00	384.00	
E.2	1.18.2	Supplying and drawing following pair, 0.5 sq.mm FR PVC insulated copper conductor, unarmoured telephone cable in the existing surface / recessed steel / PVC conduit as required.					
		2 Pair	80	Mtr.	19.00	1520.00	
	MR	10 Pair	50	Mtr.	76.23		3811.74
		SUBHEAD TOTALS CARRIED TO SUMMARY				1904.00	3811.74
F.		EARTHING					
F.1	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4	Set	4327.00	17308.00	
F.3	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	25	Metre	85.00	2125.00	
F.4	5.14	Providing and fixing 25 mm X 5 mm Copper strip on surface or in recess for connections etc. as required.	10	Metre	698.00	6980.00	
F.5	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	25	Metre	129.00	3225.00	
F.6	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	100	Metre	23.00	2300.00	
F.7	5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	10	Metre	28.00	280.00	
		SUBHEAD TOTALS CARRIED TO SUMMARY				32218.00	
G		PANEL BOARDS					
		PANELS AND FLOOR BOARDS					
		Supplying, installation, testing and commissioning of cubical type outdoor type panel with canopy suitable outdoor use for 415 V, 3 Phase, 4 Wire 50 Hz AC supply system fabricated in compartmentalized (preferably) design from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland plates I/C cleaning and finishing complete with 7 tank process for powder coating in approved shade, bus bar supports, with short circuit withstand capacity of 25 MVA for 1 Sec., bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Cu. bus bars and control wiring with 2.5 sq.mm. PVC insulated copper conductor S/C cable alleys, cable gland plates in two half, I/C providing following switchgears: -					
G.1	MR	Main Panel					

		Incomer: 1nos 100A TPN MCCB with adjustable thermomagnetic release and rotary operating handle.				
		1nos 63A TPN MCB (for D.G. set) with adjustable thermomagnetic release and rotary operating handle.				
		1no 96x96 mm digital multi - parameter meter for measurement of current, voltage, frequency, power factor, active & reactive power and energy and with RS 485 port with suitably rated CTs and HRC fuses protection.				
		1 set of three phase indicating lamps with suitable protection.				
		Busbar: Equally sized three phase and neutral tinned copper bus bars suitably sized to carry 200A current with colour coded heat shrinkable sleeves.				
		Outgoing:				
		4nos 63A TPN MCBs.				
		2nos 40A TPN MCBs.				
		2nos 32A TPN MCBs.				
		Floor boards complete as above	1	nos	383028.36	383028.36
G.2		External lighting panel				
		Supplying, installation, testing and commissioning of cubical type outdoor panel with canopy suitable outdoor use for 415 V, 3 Phase, 4 Wire 50 Hz AC supply system fabricated in compartmentalized (preferably) design from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland plates I/C cleaning and finishing complete with 7 tank process for powder coating in approved shade, bus bar supports, with short circuit withstand capacity of 25 MVA for 1 Sec., bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with 2.5 sq.mm. PVC insulated copper conductor S/C cable alleys, cable gland plates in two half, I/C providing following switchgears: -				
		Incomer:1nos 63A TPN MCCB				
		1 no 96mm x 96mm digital Voltmeter and Ammeter with LCD display for voltage & current with suitably rated CTs and MCB protection.				
		1 set of three phase indicating lamps with suitable protection.				
		Busbar: Equally sized three phase and neutral copper bus bars suitably sized to carry 100A current with colour coded heat shrinkable sleeves.				
		Outgoing:				
		5nos 32A TPN MCBs				
		Panel complete as above	2	each	46462.02	92924.04
		SUBHEAD TOTALS CARRIED TO SUMMARY			0	475952
H		SAFETY ITEMS				
H.1	MR	Supplying and fixing of Carbon dioxide (CO2) type fire extinguishers of 9 Kg each mounted on wall hooks confirming to IS code and cylinders fully charged of following capacity. 9 KG	2	nos	10239	20477
H.2	MR	Providing of First Aid Box as approved by St. John Ambulance Brigade/Indian Red Cross conforming to IS 2217-1963.	1	nos	978	977.96886
H.3	MR	Supply and fixing of Foam fire extinguishers, portable 9 litre capacity hanged on wall with bracket complete as required.	2	Nos.	2323	4646.202
H.4	2.21	Providing and fixing MV danger notice plate of 200mm x 150mm made of mild steel, atleast 2 mm thick, and vitreous enamelled white on both sides and with iscription in single red colour on front side as required	2	nos.	149.00	298
		SUBHEAD TOTALS CARRIED TO SUMMARY				26399
I		DG SETS				

I.1	MR	Supply, Installation, Testing, Commissioning (SITC) of 5 KVA of D.G. Set with in built AMF Panel, complete with engine, alternator, base frame, radiator/heat exchanger, fuel tank, control panel, fuel piping foundation, all electrical interconnection, loop earthing, silencer pipe/ exhaust chimney as per latest CPCB norms, standard accessories and accoustic enclosure.	1	nos.	272000.00	272000
		SUBHEAD TOTALS CARRIED TO SUMMARY				272000

SCHEDULE OF QUANTITIES						
S.No. 7 : Landscaping						
Item No.	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
1.01	MR	FICUS BENJAMINA	20	Nos	200.00	4000
1.02	MR	ROYSTONEA REGIA	20	Nos	800.00	16000
1.03	MR	AZADIRACHTA INDICA	20	Nos	150.00	3000
1.04	MR	ALBIZIA SAMAN	20	Nos	150.00	3000
1.05	MR	CASSIA FISTULA	20	Nos	200.00	4000
1.06	MR	FICUS BENGHALENSIS	20	Nos	200.00	4000
1.07	MR	FICUS RELIGIOSA	20	Nos	200.00	4000
1.08	MR	CRAPE MYRTLE	20	Nos	400.00	8000
1.09	MR	MANGIFERA INDICA	20	Nos	300.00	6000
1.10	MR	JUNIPERUS VIRGINIANA	20	Nos	200.00	4000
1.11	MR	DALBERGIA SISSOO	20	Nos	300.00	6000
1.12	MR	HERITIERA FOMES	20	Nos	400.00	8000
1.13	MR	SHOREA ROBUSTA	20	Nos	200.00	4000
1.14	MR	MADHUCA LONGIFOLIA	20	Nos	400.00	8000
1.15	MR	ARECA CATECHU	20	Nos	200.00	4000
1.16	MR	CASIA JAVANICA	20	Nos	1000.00	20000
1.17	MR	FOXTAIL ORCHID	20	Nos	200.00	4000
1.19	MR	WASHINGTONIA FILIFERA	20	Nos	400.00	8000
1.20	MR	SRACA ASOKA	20	Nos	800.00	16000
1.21	MR	CYCUS REVOLUTA	20	Nos	60.00	1200
1.22	MR	FICUS PANDA	20	Nos	45.00	900
1.23	MR	FICUS DANIELLA	20	Nos	200.00	4000
1.24	MR	FICUS STARLITE	20	Nos	60.00	1200
1.25	MR	HEMELIA PATENS	20	Nos	30.00	600
1.26	MR	DURANTA GOLDEN	20	Nos	60.00	1200
1.27	MR	FICUS ELASTICA	20	Nos	20.00	400
1.28	MR	OPHIPOGON JAPONICUS	20	Nos	30.00	600
1.29	MR	PENNISETUM SETACEUM RUBRUM	20	Nos	40.00	800
1.30	MR	PENNISETUM SETACEUM RUBRUM	20	Nos	30.00	600
1.31	MR	RHOEO SPATHACCA	20	Nos	40.00	800
1.32	MR	FERNS	20	Nos	35.00	700
1.33	MR	GRASS	6185	SQ M	70.00	432950
1.34	2.3	Supplying and stacking of good earth at site and profile making with available/ supplied earth in terraces, slopes, mounds as per contour plan or as per design intents	800	SQ M	332.55	266040
2.00	MR	Chair bench manufactured with M-30 grade concrete	18	Nos	6097.00	109746
3.00	MR	Waste Segregation Trolley Made of SS- 4 nos. Each Bin Capacity 60 Lts. Each	3	Nos	20900.00	62700
4.00	MR	75MM WIDE IIM RAIPUR WORD MARK BUILDING NAME 100MM UPPER CASE LETTER HEIGHT (SINGLE LINE SPACING ADDRESS/ ZONE (OPTIONAL): 75MM HEIGHT UPPER CASE LETTER CNC ENGRAVED LETTERING & GRAPHIC COLOUR FILLED (TEXT STYLE, COLOUR, FINISHES AS/TECH SPECS & BOQ) ANNOIDISED ALUMINIUM 21 RECTANGULAR HOLLOW FRAME 2MM THK, 2MM THK ALUMINIUM SHEET	2	Nos	31860.00	63720
5.00	MR	ALUMINIUM PLATE (600X450) MM, 2MM THK CNC ENGRAVED LETTERING & GRAPHIC COLOUR FILLED (TEXT STYLE, COLOUR, FINISHES AS/TECH SPECS & BOQ)	2	Nos	10620.00	21240
6.00	MR	CNC ENGRAVED LETTERING & GRAPHIC COLOUR FILLED (TEXT STYLE, COLOUR, FINISHES AS/TECH SPECS & BOQ) ICON (AS PER STANDARD ICON (AS PER STANDARD 2MM SS PLATE (150X150) MM Braille	2	Nos	1700.00	3400
7.00	MR	CNC ENGRAVED LETTERING & GRAPHIC COLOUR FILLED (TEXT STYLE, COLOUR,FINISHES AS/TECH SPECS & BOQ SS CABLE WIRE OF THK AS PER TECH SPECS & BOQ Size 200mm x 100mm	2	Nos	990.00	1980
Total Landscape Works:						1108776

S.No. 8 : Under Ground Tank

<u>S. No.</u>	<u>ITEM OF CIVIL WORK</u>	<u>AMOUNT</u>		
1.00	Earth Work	Rs.	16451	/-
2.00	Concrete Work	Rs.	6717	/-
3.00	RCC Work	Rs.	280164	/-
4.00	Flooring Work	Rs.	40399	/-
5.00	Water proofing	Rs.	84282	/-
Total		Rs.	428012	/-

S.No. 8 : Under Ground Tank

<u>Item No.</u>	<u>DSR 2016</u>	<u>Description of Item</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u> <u>Rs.</u>	<u>Amount</u> <u>Rs.</u>
1.00	2.0	EARTH WORK				
1.01	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.				
	2.28.1	All kinds of soil.	6.00	Sqm	13.95	84 /-
1.02	2.6	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.				
	2.6.1	a) All kinds of soil	100.00	Cum	125.95	12595 /-
1.03	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	30.00	Cum	125.75	3773 /-
Total Earth Work :						16451
2.00	4.0	CONCRETE WORK				
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1.50	Cum	4478.15	6717 /-
Total Cement Concrete work :						6717
3.00	5.0	R.C.C. WORK				
3.01	5.37	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.				
	5.37.1	All works upto Plinth level	20.00	Cum	6713.60	134272 /-
3.02	5.22	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars	1800.00	Kg	56.60	101880 /-
3.03	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				

	5.9.1	Foundation, footing, bases of columns etc. for mass concrete	4.50	Sqm	193.95	873	/-
	5.9.2	Walls (any thickness) including attached pilasters, buttersses, plinth and string courses etc.	100.00	Sqm	378.60	37860	/-
	5.9.3	Suspended floors, roofs, landings, balconies, and access platform	12.50	Sqm	422.30	5279	/-
		Total R.C.C. Work :				280164	
4.00	11.0	FLOORING					
4.01	11.36	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.	45.00	Sqm	744.80	33516	/-
4.02	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment	10.00	Sqm	688.25	6883	/-
		Total Flooring :				40399	
5.00	22.0	WATER PROOFING					
5.01	22.1	Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : (i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. (ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions. (iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cu dm/sqm thoroughly embedded in the 2nd layer.					
	22.1.1	Using rough kota stone	15.00	Sqm	1017.55	15263	/-
5.02	22.2	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :					
	22.2.1	Using rough Kota stone	50.00	Sqm	1253.30	62665	/-
5.03	22.4	Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete					

	22.4.1	Serrated with central bulb (225 mm wide, 8-11 mm thick)	25.00	metre	254.15	6354	/-
		Total Water proofing :				84282	

SCHEDULE OF QUANTITIES (SANITARY/ PLUMBING)

S.No. 9 : Plumbing Works

Item No.	DSR 2016/ M R	DESCRIPTION OF ITEM	QTY	UNIT	RATE	DSR Amount (In Rs)	Non-DSR Amount (In Rs)
1	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :					
		17.3.1 W.C. pan with ISI marked white solid plastic seat and lid	11	Each	4593.75	50531.25	
2	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
		17.7.1 White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	10	Each	2298.55	22985.50	
3	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 :					
		17.10.1 Kitchen Sink with Drain Board					
		17.10.1.1 510 x1040 mm bowl depth 250 mm	0	each	4120.80	0.00	
4	17.28	Providing and fixing PVC waste pipe for sink or wash basin including PVC. waste fittings complete.					
		17.28.2 Flexible pipe					
		17.28.2.1 32mm	10	Each	73.25	732.50	
5	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:					
		17.4.1 One urinal basin with 5 litre white P.V.C. automatic flushing cistern	9	Each	3494.15	31447.35	
6	17.31	Providing and fixing 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.	10	Each	817.95	8179.50	
7	17.34	Providing and fixing toilet paper holder					
		17.34.1 C.P. brass	11	Each	385.35	4238.85	
8	17.35	Providing and Fixing soil, waste and vent pipes					
		17.35.1 100 mm dia					
		17.35.1.2 Centrifugally cast (spun) iron socketed pipe as per IS: 3989	103	M	921.65	94929.95	
		17.35.2 75 mm dia					
		17.35.2.2 Centrifugally cast (spun) iron socketed pipe as per IS: 3989	37	M	794.55	29398.35	
9	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.					
		17.70.2 Bottle trap 38 mm single piece moulded with height of 270	19	Each	518.15	9844.85	
10	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	2	Each	305.55	611.10	
11	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.					
		17.73.2 600 mm long towel rail with total length of 645 mm, 78 mm wide and effective height of 88 mm, weighing not less than 190 gms	2	Each	422.70	845.40	
12	17.60	Providing and Fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the floor and walls					
		17.60.2 100mm inlet and 75 mm outlet					
		17.60.2.1 Sand cast iron S&S as per IS - 3989	21	Each	1072.80	22528.80	

13	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.					
		17.65.1 a) 100mm dia meter pipe	103	M	40.65	4186.95	
		17.65.2 b) 75mm dia meter pipe	37	M	31.00	1147.00	
14	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.					
		17.37.1 For 100mm dia pipe	69	Each	167.35	11547.15	
		17.37.2 For 75mm dia pipe	15	Each	165.05	2475.75	
15	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete					
		17.38.1 100mm					
		17.38.1.2 Sand Cast iron S&S as per IS-3989	10	Each	384.90	3849.00	
		17.38.2 75mm					
		17.38.2.2 Sand Cast iron S&S as per IS-3989	10	Each	317.85	3178.50	
16	17.39	Providing and fixing plain bend of required degree					
		17.39.1 100mm					
		17.39.1.2 Sand Cast iron S&S as per IS-3989	10	Each	334.95	3349.50	
		17.39.2 75mm					
		17.39.2.2 Sand Cast iron S&S as per IS-3989	5	Each	248.20	1241.00	
17	17.40	Providing and fixing heal rest sanitary bend					
		17.40.1 100mm					
		17.40.1.2 Sand Cast iron S&S as per IS-3989	10	Each	370.95	3709.50	
		17.40.2 75mm					
		17.40.2.2 Sand Cast iron S&S as per IS-3989	10	Each	312.05	3120.50	
18	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
		17.43.1 100x100x100 mm					
		17.43.1.2 Sand cast iron S&S as per IS - 3989	10	Each	623.00	6230.00	
19	17.56	Providing and fixing terminal guard					
		17.56.1 100mm					
		17.56.1.2 Sand Cast iron S&S as per IS-3989	4	Each	333.80	1335.20	
20	17.57	Providing and fixing collars					
		17.57.1 100mm					
		17.57.1.2 Sand Cast iron S&S as per IS-3989	114	Each	351.20	40036.80	
21	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia					
		17.58.1 a) 100mm	119	Each	309.95	36884.05	
		17.58.2 b) 75mm	43	Each	263.60	11334.80	
22	17.59	Providing and fixing MS stays and clamps for sand cast iron/ centrifugally cast (spun) iron pipes of diameter.					
		17.59.1 100mm	57	Each	62.00	3534.00	
23	18.49	Providing and fixing C.P. brass bib cock of approved quality to conforming to IS 8931.					
		18.49.1 15 mm nominal bore	11	Each	371.70	4088.70	
24	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.					
		18.51.1 15 mm nominal bore	6	Each	492.55	2955.30	
25	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS : 8931.					
		18.52.1 15 mm nominal bore	11	Each	545.95	6005.45	
26	18.53	Providing and fixing C.P. brass angle valve for basin mixer and gysar points of approved quality conforming to IS : 8931					
		18.53.1 15 mm nominal bore	31	Each	475.70	14746.70	
27	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	10	Each	112.30	1123.00	
28	17.61	Cutting chases in brick masonry walls for following diameter sand cast					
		17.61.1 100 mm dia	11	M	355.70	3912.70	
29	18.76	Cutting holes upto 30 X 30 cm in walls including making good the same.					
		18.76.1 With common burnt clay F.P.S. (non modular) bricks	11	Each	219.20	2411.20	

30	18.78	Making chases upto 7.5 X 7.5 cm in walls including making good after housing G.I. pipe etc.	11	M	93.85	1032.35	
31	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having					
		Internal work - Exposed on wall					
	18.7.2	20mm nominal outer dia pipes	5	M	179.95	899.75	
	18.7.3	25mm nominal outer dia pipes	10	M	216.20	2162.00	
	18.7.4	32mm nominal outer dia pipes	28	M	289.05	8093.40	
	18.7.5	40mm nominal outer dia pipes	25	M	385.50	9637.50	
	18.7.6	50mm nominal outer dia pipes	34	M	548.55	18650.70	
32	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & 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 in Charge.					
		Concealed work including cutting chases and making good the walls					
	18.8.1	15mm nominal outer dia pipes	23	M	246.20	5662.60	
	18.8.2	20mm nominal outer dia pipes	14	M	284.85	3987.90	
	18.8.3	25mm nominal outer dia pipes	20	M	333.60	6672.00	
	18.8.4	32mm nominal outer dia pipes	28	M	412.90	11561.20	
33	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. This includes jointing of pipes and fittings with one step CPVC solvent, trenching, refilling, and testing of joints complete as per the direction of the engineer incharge					
		External work					
	18.9.6	50mm nominal outer dia pipes	50	M	484.25	24212.50	
	18.9.7	62.5mm nominal outer dia pipes	10	M	1081.75	10817.50	
	18.9.8	75mm nominal outer dia pipes	10	M	1201.05	12010.50	
34	18.17	Providing and fixing gun metal gate valve with C.I. Wheel of approved quality (screwed end).					
	18.17.1	25 mm dia. nominal bore	2	Each	428.20	856.40	
	18.17.2	32 mm dia. nominal bore	4	Each	500.75	2003.00	
	18.17.3	40 mm dia. nominal bore	2	Each	584.70	1169.40	
	18.17.4	50 mm dia. nominal bore	2	Each	749.90	1499.80	
	18.17.5	65 mm dia. nominal bore	1	Each	1286.80	1286.80	
	18.17.6	80 mm dia. nominal bore	1	Each	1919.50	1919.50	
35	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
	18.18.3	25 mm nominal bore	1	Each	331.95	331.95	
36	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).					
	18.19.4	32 mm nominal bore					
	18.19.4.2	Vertical	1	Each	1080.60	1080.60	
37	18.21	Providing and fixing unplasticised PVC connection pipe with brass unions.					
	18.21.1	30 cm length					
	18.21.1.1	15 mm nominal bore	20	Each	59.40	1188.00	
38	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	7500	Litre	7.25	54375.00	
39	2.10	Excavating trenches of required width for pipes, cables, etc including					
	2.10.1	All kinds of soil					
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	100	M	225.45	22545.00	
40	19.4	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. Grating brick masonry chamber with water tight C.I. Cover with frame of 300 X 300 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 :					
	19.4.1	100 X 100 mm size P type					
	19.4.1.2	With Sewer bricks conforming to IS : 4885	8	Each	1619.55	12956.40	

41	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) 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 :					
		19.7.1	Inside size 90 X 80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 X 610 mm internal diamensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)				
		19.7.1.2	With Sewer bricks conforming to IS : 4885	8	Each	8678.85	69430.80
		19.7.3	Inside size 120 X 90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg)				
		19.7.3.2	With Sewer bricks conforming to IS : 4885	2	Each	23088.60	46177.20
42	19.8	Extra for depth of manholes					
		19.8.1	Size 90x80cm				
		19.8.1.2	With Sewer bricks conforming to IS : 4885	5	Meter	5848.95	29244.75
		19.8.2	Size 120x90cm				
		19.8.2.2	With Sewer bricks conforming to IS : 4885	2	Meter	7006.10	14012.20
43	19.27	Constructing brick masonry road gully chamber 50 X 45 X 60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500 X 450 mm precast R.C.C. horizontal grating with frame complete as per standard design :					
		19.27.1	With F.P.S. bricks	20	Each	4043.10	80862.00
44	19.32	Making soak pit 2.5 m diameter 3.0 m deep with 45 X 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm diameter, 18 m long complete as per standard design.					
		19.32.1	With common burnt clay F.P.S. (non modular) bricks of	1	Each	20681.55	20681.55
45	MR	For feeding Domestic/ Flushing water to entire Project. Variable Speed-Location - Near underground domestic water tank with Providing and fixing electronic type level indicator for water tank mounted in panel with level display, alarm when water level is low or high, full range from one level to four level display and manual reset for alarm etc. with electrical wiring conduit supports from wall & ceiling probs and all other accessories complete as required.					
		Capacity 3 LPS each minimum					
		Head 25 Mts.					
		RPM 2800 / 3HP					
		No. of pumps 1		2	nos.	21784.00	43568.00
46	12.41	Providing and Fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion, (i) Single socketed pipes.					
		12.41.2	110 mm diameter	40	Metre	236.35	9454.00
47	12.22	Making khurras 45 x 45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C sheet 1 m x 1m x 400 micron, finished with 12 mm plaster cement 1:3 (1 cement: 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.		8	each	187.60	1500.80
48	12.42	Providing and Fixing on wall face unplasticised PVC moulded fittings/					
		12.42.1	Coupler				
		12.42.1.2	110mm	13	Each	102.65	1334.45
		12.42.5	Bend 87.5				
		12.42.5.2	110mm bend	8	Each	113.10	904.80
		12.42.6	Shoe (Plain)				
		12.42.6.2	110mm	8	Each	98.00	784.00
49	12.43	Providing and fixing unplasticised PVC pipe clips of approved design to unplasticized PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete					
		12.43.2	110mm	27	Each	181.40	4897.80

50	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams	8	Each	40.90	327.20	
51	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
	19.6.3	250 mm dia. R.C.C. pipe	10	meter	482.05	4820.50	
	19.6.4	300 mm dia. R.C.C. pipe	10	meter	518.55	5185.50	
	19.6.5	450 mm dia. R.C.C. pipe	10	meter	720.95	7209.50	
52	8.10	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50cm deep and 1.8cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size as per direction of engineer in charge and finished smooth					
	8.10.2	Granite stone of approved shade	3.38	Sqm	2831.95	9557.83	
53	MR	Providing and fixing Float Glass Mirror of minimum 6mm thickness, of required shape and size of "Modiguard"/ "Saint Gobain" make, with 6mm thick water proof ply wood board backing conforming to IS 710 including making necessary holes in the mirror, if required. The ply wood board shall be rigidly fixed to the wall using required stainless steel screws, rawl plugs etc. The mirror shall be fixed to the ply wood board backing using necessary CP brass screws and around moulded beading of 25x25mm, made out of teak wood using epoxy adhesive mitred joints etc. all complete, as per the architectural drawings, as specified and as directed by the Engineer-in-Charge. (The rate of the item includes cost of all inputs of labour, material, T&P, all other incidental charges involved in the work. For the purpose of payment, the actual area of the mirror shall be measured in sqm.)	10	sqm	1494.00		14940.00
54	MR	Providing & fixing Hand Shower (Health Faucet) with 8mm dia, 1M long PVC tube and wall hook CP brass wall flange. Make: Jaquar; Cat No. ALD-BLK-583.					
		For supply of sanitary fixtures as per above details	11	Each	1066.00		11726.00
55	23.1	Boring/ drilling bore well of required dia for casing/ stainer pipe, by suitable method prescribed in IS:2800 (part-1) 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.					
	23.1.1.1	300mm dia	50	metre	370.70	18535.00	
56	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.					
	23.4.2	150mm nominal size dia	50	metre	529.35	26467.50	
57	23.5	Supplying, filling, spreading & levelling stone boulders of size range 5cm to 20cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge	4	cum	921.90	3687.60	
58	23.6	Supplying, filling, spreading & levelling gravels of size range 5mm to 10mm, in recharge pit, over the existing layer of boulders, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge	4	cum	1038.05	4152.20	
59	23.7	Supplying, filling, spreading & levelling coarse sand of size range 1.5mm to 2mm, in recharge pit, in the required thickness over the gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge	4	cum	1038.05	4152.20	
60	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	4	cum	1175.60	4702.40	
61	23.9	Providing and fixing factory made precast RCC perforated drain covers, having concrete strength not less than M-25, of size 1000x 450 x 50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional TMT hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6mm complete, all as per direction of engineer in charge	1	each	959.35	959.35	

62	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :					
		19.1.2	150 mm diameter	100	meter	327.05	32705.00
		19.1.3	200 mm diameter	150	meter	423.35	63502.50
		19.1.4	250 mm diameter	150	meter	692.50	103875.00
63	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :					
		19.2.2	150 mm diameter S.W. pipe	40	meter	761.85	30474.00
		19.2.3	200 mm diameter S.W. pipe	60	meter	888.10	53286.00
		19.2.4	250 mm diameter S.W. pipe	60	meter	1027.00	61620.00
68	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 S.W. pipes including bed concrete as per standard design					
		19.3.2	150 mm diameter S.W. pipe	60	meter	479.85	28791.00
		19.3.3	200 mm diameter S.W. pipe	90	meter	564.00	50760.00
		19.3.4	250 mm diameter S.W. pipe	90	meter	656.00	59040.00
69	MR	Providing and fixing suitable model of R.O. plant 150 ltrs. Per hour flow rate connected to a water cooler of capacity 150 Litres having capacity to treat the raw water having TDS 1200 ppm and not less than 40%. The treated water should have TDS less than 100 ppm and hardness less than 50 ppm. The operating voltage to 230 volt AC +/- 10% alongwith required capacity pump and solenoid valves, dry run protection of pump, automatic tank level control, inbuilt auto flush timer for periodic flushing of membranes, over voltage and over current protection with switch mode power supply system antiscaling dosing system complete in all respects including installation and fittings with the following provisions: (a)10 micron polypropylene sediment pre filter (b)10 micron bacteriostatic activated carbon block on line micron filter with 5 micron rating (c)2 Nos. of reverse osmosis memberane with 0.0001 micron pore size energy saving poly amide type (d)UV lamp of minimum capacity 150LPH and minimum lamp wattage 9W		1	Each	82234.00	82234.00
70	MR	Providing and Fixing water cooler of capacity 150 Liters of dimension approx 615mm x 615mm x 930mm made up in stainless steel having approx weight of 90 Kgs with power consumption of 1630 - 1650 watts complete in all respect having five faucets (F110034 - Hindware) or equivalent including all accessories as per the direction of the engineer in charge.		1	Each	109646.00	109646.00
		Total:				Rs 1518382.53	262114.00

SCHEDULE OF QUANTITIES

S.No. 10: Tubewell

S No	DSR - 2016/ MR	Description	Unit	Qty	DSR Rate (Rs.)	NS Rate (Rs.)	DSR Amount (Rs)	NS Amount (Rs)
1	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.						
	23.1.2	Rocky strata including boulders						
a).	23.1.2.1	300mm dia	Meter	90	855.10		76,959	
2	23.2	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, beyond 90 metre upto 150 metre depth below ground level.						
	23.2.2	Rocky strata including boulders						
a).	23.2.2.1	300mm dia	Meter	50	927.10		46,355	
3	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.						
a).	23.3.2	150 mm dia	Meter	100	572.30		57,230	
3	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						
a).	23.4.1	100 mm dia	Meter	100	448.04		44,804	
4	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.	Cum	3	1,175.60		3,527	
5	23.12	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hour	48	542.20		26,026	
6	23.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:						
a).	23.13.2	150mm dia	Each	1	182.95		183	
7	23.14	Providing and fixing M.S. clamp of required dia to the top of casing / housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.						
a).	23.14.2	150mm dia	Each	1	1,017.70		1,018	

8	M R	Providing sanitary sealing on top as per I.S. with 1:3:6 PCC Block of size 1m x 1m x 1m.	Each	1		5,800.00		5,800
9	M R	Supplying, Installation, Testing, commissioning and lowering of submersible pumps set as per specifications (enclosed in cage) by using 'C' class column pipes (pipes including in separate column of schedule) including binding submersible cable, 1no. pressure gauge with isolation cock along with column pipes with suitable size of clamps. The submersible pump set with direct coupled motor rated for 3 phase, 50 cycle 415 ± 10% volts A/c supply with the following duty.						
a).	M R	Total head - 150 mts.						
		Flow rate - 8000 ltr/ hr. (Minimum)-5 hp motor (appx.)	Each	1		186,810.00		186,810
10	M R	Supply & Installation of G.I Class 'C' column pipe with flanges at 6m intervals including all fittings, flanges, clamps as required.						
a).	M R	50 mm dia	Meter	100		900.00		90,000
11	18.17	Providing & fixing gun metal gate valve with C.I wheel of approved Quality (screwed end);						
i).	18.17.4	50 mm dia	Each	1	749.90		750	
12	18.19	Providing & fixing gun metal non-return valve of approved Quality (screwed end);						
i).	18.19.4	50 mm nominal bore						
	18.19.4.2	Vertical	Each	1	1,080.60		1,081	
		TOTAL					257933.00	282610.00

ABSTRACT OF COST				
S. No.11 : Chain Link Fencing				
S. No.	ITEM OF CIVIL WORK	AMOUNT		
1.00	Earth Work	Rs.	30221	/-
2.00	Concrete Work	Rs.	294634	/-
3.00	Finishing	Rs.	18973	/-
4.00	Road work	Rs.	1100753	/-
	Total	Rs.	1444580	/-

SCHEDULE OF QUANTITIES						
S. No.11 : Chain Link Fencing						
Item No.	DSR 2016	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
1.00	2.0	EARTH WORK				
1.01	2.30	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
	2.30.1	a) All kinds of soil	574.00	each	52.65	30221/-
		Total Earth Work :				30221
2.00	4.0	CONCRETE WORK				
2.01	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III); 10 graded stone aggregate 40 mm nominal size).	70.00	Cum	4209.05	294634/-
		Total Cement Concrete work :				294634
3.00	13.0	FINISHING				
3.01	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
	13.61.1	Two or more coats on new work	242.00	Sqm	78.40	18973/-
		Total Finishing Work :				18973
4.00	16.0	ROAD WORK				
4.01	16.19	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	5425.00	Kgs	62.05	336621/-
4.02	16.20	Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be struted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately)	1290.00	Sqm	30.65	39539/-
4.03	16.70	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.				
	16.70.1	Made of G.I. wire of dia 4 mm	1290.00	Sqm	561.70	724593/-
		Total Finishing Work :				1100753

S. No. 12 : SOLAR LED STREET LIGHT					
MR	70 W Standalone Solar LED Street lighting Blue tooth operated system including hybrid charging device complete with 7 M long Octagonal Hot dip Galvanized pole 4 mm thick with base plate, 4 nos. fdn bolts, SA bracket. The average thickness of galvanization is 70 Microns or more. The solar lighting system will be supplied along with Solar Gel battery (IS 13369 :1992-MNRE Approved), TUV certified PV module (IEC 61215-2; IEC61730 ; IEC61701) of adequate capacity to provide 36 Hrs back up complete with all accessories & Metallic Battery box. Havells is registered in MNRE as a channel partner having SP 1 A credit rating & it's own photometry lab approved by NABL. 5 years warranty will be provided on the complete system against manufacturing defects only. Warranty certificate for complete solar street lighting system will be issued along with supply of complete set of materials from the company.	20	Each	87900.00	1758000.00
MR	Supplying, Installation, Testing and Commissioning of 8 W LED BOLLARD Housing made up of aluminum pipe powder coated black after phosphochromate treatment with aluminum heat sink for effective thermal management, sturdiness & excellent corrosion resistance. Mounting flange of MS sand casting is used at the bottom.	10	Each	3270.00	32700.00
TOTAL					1790700.00

S.No.13 : Lighting Fixtures

Item No	DSR 2016	Description of Item	Quantity	Unit	Rate	DSR Amount	Non-DSR Amount
					Rs.	Rs.	Rs.
LIGHTING FIXTURES & FITTINGS							
1	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	87	Each	100.00	8700.00	
2	1.45	Installation, testing and commissioning of ceiling fan including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable including providing and fixing phenolic sheet cover on the fan box as required etc	4	Nos.	132.00	528.00	
3.1	1.50.1	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	7	Nos.	224.00	1568.00	
		Upto 450 mm sweep					
3.2	1.51	Extra for fixing the louvers/ shutters complete with frame for exhaust fan of all sizes.	7	Nos.	99.00	693.00	
4	MR	Supply of ISI marked energy efficient exhaust fan plastic ideal for mounting on glass window with 200mm sweep (Havells Cat No. Ventilair DX 200mm sweep or equivalent)	7	Each	994.14		6959.00
5	MR	Supply of LED Tubelight batten including lamp fitting and all accessories as required. (Philips Cat no. - 31082 slimline 18 watt LED wall lamp or Equivalent)	17	Each	865.37		14711.26
6	MR	Supply of ISI marked energy efficient BEE FIVE STAR rated sweep ceiling fan with double ball bearing, motor, blades, down rod, canopies, capacitor etc. suitable for operation on 230 volts, 50 Hz., single phase, AC supply complete as required and as per specifications attached.					
		1200 mm sweep	4	Each	1355.23		5420.91
7	MR	Supply of 1 x 12watt LED wall mounted light fixture for mirror light complete with lamp and all accessories as required. (Philips Cat No. - Hexa LED 30965 or Equivalent)	10	Each	1174.43		11744.28
8	MR	Surface 1 x 15watt LED surface mounted downlighter fitting and all accessories as required. (Philips Cat no. - DN170C LED10S-4000 PSU WH or Equivalent)	20	Each	2060.40		41208.00
9	MR	Surface 1 x 10 watt LED recess mounted downlighter fitting and all accessories as required. (Philips Cat no. - DN191B LED6S-6500 PSU WH S1 or Equivalent)	28	Each	1326.38		37138.71
		SUBHEAD TOTALS CARRIED TO SUMMARY				11489.00	117182.16

PROPOSED WAYSIDE AMENITIES AT BUDDHA & RAMAYANA CIRCUIT UNDER SWADESH DARSHAN SCHEME AT LUCKNOW-AYODHAYA ROAD.			
GRAND SUMMARY			
S No	DESCRIPTION	DSR Items Total Amount (IN Rs)	Non-Scheduled Items Total Amount (IN Rs)
1.00	CIVIL WORKS (BUILDINGS)	4178656	2163635
2.00	PATHWAY	401642	
3.00	ROAD	1761875	
4.00	SEPTIC TANK (20000Ltr)	150561	
5.00	BOUNDARY WALL	1780812	
6.00	ELECTRICAL WORKS	465620	818556
7.00	LANDSCAPE		1108776
8.00	UGT	428012	
9.00	PLUMBING WORKS	1518383	262114
10.00	TUBEWELL	257933	282610
11.00	CHAIN LINK FENCING	1444580	
12.00	SOLAR LED STREET LIGHT		1790700
13.00	LIGHTING FIXTURES & FITTINGS	11489	117182
	SUB-TOTAL	12399563	6543573
A	GRAND TOTAL	18943136	

SUMMARY BUILDING WORKS (CIVIL)						
S NO	DESCRIPTION	Scheduled Items Amount (IN Rs)	Non-Scheduled Items Amount (IN Rs)	Total	No of Blocks	Total Amount (IN Rs)
A	SHOPS	1691100	1513635	3204735	1	3204735
B	TOILET BLOCK	2487557	650000	3137557	1	3137557
	SUB TOTAL	4178656	2163635			
	GRAND TOTAL					6342291