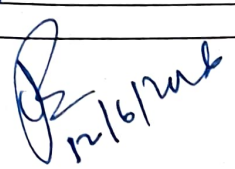


BILL OF QUANTITY						
Construction of Animal breeding centre under nagar parishad Banka						
NIT No.				Group No.		
				Estimated Amount	12013410	
				E.M. Required:	240300	
				B.O.Q Cost :	10000	
				Bid Processing fee		
				Date of Tender :		
				Time of Completion:	3	Months
Sl. No	SOR NO. (BCD)	Description of Work	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
ABC CENTRE						
1	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of	sqm	5.00	1355.40	6781
2	20.3A.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved disign and direction of E/I Details of cost for 4 piles of 4 m= 16 mtrs depth)	Rm	180.00	178.30	32094
3	2.8	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 min width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m . including getting out the excavated soil and	M ³	28.22	360.70	10180
4	2.28	Supplying and Filling in plinth with local sand and under floors including,watering, ramming consolidating and dressing complete	M3	40.52	287.30	11640
5	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	405.16	283.30	114782
6	4.1.5	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level.Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	M ³	24.79	4420.00	109575
7	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforcd cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	M3	106.48	5677.20	604518









8	5.33A.2.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grade reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	M3	12.56	5293.50	66460
9	5.11	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding upto floor level including cost of binding wire, wastage and over laps upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP : 34) etc. complete.	Kg	21850.41	90.80	1984017
10	5.9	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :	M2	229.93	404.70	93051
A	5.9.6	Columns, Pillars, Piers, Abutments, Posts, Struts	M2	200.88	494.40	99315
B	5.9.3	Suspended floors, roots, landings, balconies and access platform.	M2	431.04	437.50	188581
11	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth in :	M3	22.14	5017.90	111115
12	4.11	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4 (1 cement: 2:2 coarse sand : 4 graded stone aggregate 20mm nominal size)	M2	77.56	245.60	19049
13	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth in :	M3	97.40	4819.90	469438
14	9.48.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to penings/ wooden frames with rawl plugs screws etc	Kg	239.63	161.10	38604
15	13.11.4	Cement plaster in course sand 12 mm cement plaster of mix: 1:6 (1 cement: 6 coarse sand)	M2	1068.42	141.50	151181
16	13.12.4	Cement Plaster in coarse sand 15mm thick cement plaster of mix (1 : 6) Outer Wall	M2	303.12	162.80	49348
17	13.24	6 mm cement plaster to ceiling of mix :	M2	431.04	125.60	54139
18	13.79.1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade. New Work (three or more coat)	M2	1802.58	81.20	146369
19	10.19	Providing and fixing M.S. Fan clamp type 1 of 16 mm dia M.S. Bar bent to shape with hooked ends in R.C.C. Slab during laying including painting the exposed portion of loop all as per standard desing complete.	each	40.00	174.60	6984

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20	13.82.1	Painting on steel surface grill with synthetic enamel paint of approved brand and manufacture of required colour to given an even shade new work (Two or more coats) including a coat of approved steel primer but excluding a coat off	M2	15.48	39.70	615
21	9.96.1	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:	Each	34.00	235.50	8007
22	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc.	Each	44.00	57.10	2512
23	9.101.1	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. Single rubber	Each	22.00	34.00	748
24	9.103	Providing and fixing bright finished brass 100 mm 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 .	Each	17.00	655.40	11142
25	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	19.00	979.50	18611
26	9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & top end in pelmets as curtain rod.	Each	37.00	139.70	5169
27	9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc.complete.	Each	12.00	71.30	856
28	9.1.2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrouth framed and fixed in postion sal wood.	M3	1.59	95670.70	152242
29	9.20.1	Providing and fixing flush door shutters decorative type core of block board construction with frame of 1st class hard wood and well matched teak ply veneering with vertical grains or cross bands and face venears on both faces of	M2	37.79	2845.60	107539
30	9.9.2.1	Providing and fixing of steel glazed doors, windows and ventilators of standra rollet section joint mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete block 15 x 10 x 10 cm of 1:3 : 6 (1 Cement 3 coarse sand 6 graded stone aggregate 20 mm nominal size or with wooden pluge and screws or rewl pluge and screws or with fixing clips or with bolts and nuts as required including providing and fixing or glass panes with glazing clips and	M2	11.32	2455.40	27789
31	13.82.2	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give and even shade two or more coats on new work over an under coat of suitable shade with ordinary pain of approved brand and manufacture	M2	61.68	83.50	5150

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32	13.40 A	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	M2	1499.46	127.90	191781
33	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness sqm 799.40 to be specified by the manufacturer) of ist quality conforming to IS :15622 of approved make In colours such as white , Ivory , Grey , FumeRed , Brown, laid on 20 mm thick Cement motar 1:4 (1 cement: 4coarse sand) including pointing the joints with white cement and matching	M2	17.46	686.80	11994
34	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (Thickness to be specified by them anufacture)of approved make inall colours, shades except burgundy, bottle green ,black of any size as approved by Engineer-in-charge in skirting, risers of steps and dadosover 12mm thick bed of cement Motar 1:3(1cement: 3 coarse sand) and jointing with greycement slurry@3.3kgpersqm includingpointing inwhitecementmixedwithpigment ofmatching shade complete.	M2	35.88	795.00	28526
35	11.41. 2	Providing and laying vitrified floor tiles in different sizes {thickness to bespecified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete. Size of Tile 60x60 cm	M2	100.82	1638.80	165216
TOTAL ABC CENTRE (EXCLUSIVE OF CARRIAIGE) (A)						5105118
DOG SHELTER						
36	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal	SQM	161.65	13.554	2191
37	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides andramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.ALL	M3	7.46	386.6	2884
38	20.3A. 1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentri city in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved disign and direction of E/I	Rm	36.00	178.3	6419
39	2.3.1	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering .rolling each layer with 1/2 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up ; in embankments for roads, flood banks, marginal banks, and guide banks etc . lead	M3	48.49	224	10862
40	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	M3	20.16	287.3	5792

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41	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	118.00	283.3	33429
42	4.1.5	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level. Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate) flooring work	M3	10.46	4420	46233
43	5.33A. 2. 2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforcd cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	M3	8.41	5677.2	47745
44	5.33A. 2. 2.1	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforcd cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	M3	1.60	5293.5	8470
45	5.11.7 C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding upto floor level including cost of binding wire, wastage and over laps upto 12mm horizontal/ inclined position of reinforcement bars in slab and beams, plinth, chajjas, lintels, upto 4.5m vertical length of reinforcement in wall columns (over laps shall be provided as per requirement of IS : 13920; IS 456 & SP : Thermo-Mechanically Treated bars. (Fe 500 D or more)	KG	911.70	90.8	82782
46		Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :	M ²			0
	5.9.5	Lintels, Beams, Plinth Beams, bressumers, girders	M ²	53.63	437.5	23463
	5.9.6	Columns, Pillars, Piers, Abutments, Posts, Struts	M ²	25.56	494.4	12637
47	6.1.14 B	Brick work with bricks of class designation 100B in foundations and plinth ,Cement mortar 1:6 (1 cement: 6	M3	4.24	4540.3	19251
48	6.1.12 C	Brick work with fly ash lime bricks (FALG Bricks) conforming to IS:12894-2002, class designation 75 Kg/CM2 (average compressive strength) in superstructure above plinth level up to floor 2 level Cement mortar 1:4 (1 cement : 4 coarse sand)	M3	26.87	5116.3	137475
49	10.16. 1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special	KG	1909.50	123.9	236587

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50	12.5	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated Jor L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto any pitch horizontal/vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and	M ²	189.65	1501.3	284722
51	12.9.1	Providing and fixing plain GS sheet gutter with iron brackets 40x3 mm size, bolts nuts and washers etc. including making necessary connections with rain water pipes complete. providing and fixing 16cm wide 45 cm overall semi circular plain GS sheet gutter with iron brackets 40x3mm size bolts nuts and washers etc. including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 grams per square meter	rm	16.21	577.4	9360
52	13.26	Neat cement punning	M ²	105.25	40.5	4263
53	8.31	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating	M ²	303.45	304.15	92294
54	10.16.1	Steelwork in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete	KG	3,661.50	123.9	453660
55	13.82.1	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:	M ²	244.1	83.5	20382
56	8.1	Drain (rcc) All block	Estimated	15.24	4600.26	70108
57	11.78	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks 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 fine 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 jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications & direction of Engineer-in-Charge. 60mm thick C C paver block of M-35 grade with approved colour design	M ²	55.66	714	39741
TOTAL DOG SHELTER (EXCLUSIVE OF CARRIAGE) (B)						1650750
BOUNDARY WALL						
58	20.3A.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr , Lead in eluding all lifts , all complete as per approved design and direction of E/I	M	114.60	178.3	20434
59	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing	M3	2.47	287.3	711

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60	11.73	Providing designation 100 A one brick edgesoling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	32.47	444.8	14444
61	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of Centring,shuttering,finishing and reinforcement-All work upto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone	M3	24.37	4688.3	114240
62	5.22.7 c	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars TMTC-500-12mm dia	KG	2151.30	90.8	195338
63	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete	M ²	134.70	211.6	28503
64	6.1.14 A	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:6 (1 cement: 6				
65	6.1A+ 6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : ExtraforBrickwork insuperstructureaboveplinth level upto floor V cum	M3	48.06	5662.10	272132
66	13.11. 4	Cement plaster in course sand 12 mm cement plaster of mix:1:6(1 cement: 6 coarse sand)	M ²	388.04	141.5	54908
67	13.79. 1	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade	M ²	388.04	81.2	31509
68	10.32. 2	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required.In gratings, frames, guard bar, ladders, railings, brackts. gates &	KG	462.00	114.6	52945
69	13.82. 1+13. 81.3	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: New steel work (two or more coats) Applying priming coat: With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	M ²	16.73	118.1	1976
70	10.43	Providing and fixing concertina coil fencing with punched tape concertina coil 600mm dia 10metre open able length (total length 90m) , having 50 nos round sper 6 metre length, upto 3m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00m apartand with 9 horizontal R.B.T. reinforced bar bed wire, stud tied with G.I staples and G.I. clips to retain horizontal, including necessary bolts or G.I .bar bed wire tied to angle iron, all complete as per direction of Engineer-in-charge,with reinforced bar bed tape (R.B.T.) /Spring core (2.5mm thick) wire of high tensile strength of 165kg/ sqmm with tape (0.52mmthick) and weight 43.478 gm/ metre (cost of M.S. angle. C.C. blocks shall be paid	M	136.55	272.57	37220
71	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal	M ²	1115.24	1355.40	15116
72	2.2.1	Supplying and Filling in plinth with local sand and under floors including. watering. ramming consolidating and dressing	M ²	679.69	386.60	262770
		TOTAL BOUNDARY WALL (C)				1102245
		DRAIN (400 FEET)				







73	2.8	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soils	M3	46.69	360.7	16840
74	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing	M3	55.09	287.3	15828
75	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	722.99	283.30	204824
76	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of Centring,shuttering,finishing and reinforcement-All work upto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	M3	22.59	4688.3	105930
77	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass	M ²	38.71	211.6	8191
78	5.9.3	Centring and shuttering including strutting,propping etc. and removal of form for Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.	M ²	174.19	375.1	65338
79	5.22.7 B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.	KG	1355.67	92.6	125535
80	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone	M3	101.94	4649	473921
TOTAL OF DRAIN (D)						1016406
ELECTRIFICATION						0
81	1.1.3	Point wiring in PVC conduit, with piano type switch wiring for light point for point, exhaust fan point call be point with 1.5 sqm mm FR PVC insulated copper conductor single core cable in surfact/recessed PVC conduit with paino type switch phenolic laminated shee, suitable size PVC/G.I. box etc. as required all complete as per secification and direction of E/I	each	20.00	1120.00	22400.00
82	1.7.9	Circuit/ submain wiring in PVC conduit wiring for circuit/ submajn wiring along with earth wire with following sizes PVC. Insulated aluminium conductor, single core cable in surface/ recessed PVC conduit as required all complete as per specification and direction of E/I 4 x 2.5 sqm + 1 x 2.5	M	105.00	348.00	36540.00
83	1.7.11	Circuit/ submain wiring in PVC conduit wiring for circuit/ submajn wiring along with earth wire with following sizes PVC. Insulated aluminium conductor, single core cable in surface/ recessed PVC conduit as required all complete as per specification and direction of E/I 4 x 6.0 sqm + 1 x 6.0	M	32.00	660.00	21120.00
84	1.7.12	Circuit/ submain wiring in PVC conduit wiring for circuit/ submajn wiring along with earth wire with the following sizes PVC. Insulated copper conductor, single core cable in surface/ recessed PVC conduit as required as per specification and and direction of E/I. 4 x 10.0 sq.mm + 1 x	M	32.00	925.00	29600.00
85	1.7.3	Circuit / Submain wiring in PVC conduit Wiring for circuit / submian wiring along with earth wire with the following sizes PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required as per specification and direction of E/I. 2 x 40 sq.mm + 1 x 4.0 sq.mm earth wire.	M	200.00	309.00	61800.00

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86	1.33	S/F Ceiling rose : Supply and fitting 2 pin 5 amp Ceiling rose on the existing junction box / PVC box including connection etc. As required all complete as per specification and direction	Each	16.00	64.00	1024.00
87	1.33	S/F Ceiling rose : Supply and fitting 2 pin 5 amp Ceiling rose on the existing junction box / PVC box including connection etc. As required all complete as per specification and direction of E/I.	Each	44.00	64.00	2816.00
88	1.34	S/F Batten holder : Supplying and fixing batten/ angle holder including connection etc. As required all complete as per specification and direction of E/I.	Each	23.00	80.00	1840.00
90	1.30	Supplying and fixing metal/ PVC box of 180 mm x 100 mm x 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin, 5/6 amps socket outlet and 15/16 amps piano type switch, connections painting etc. all required all complete as per specification and direction of	Each	15.00	424.00	6360.00
91	1.32	S/F power plug pint with piano type accessories : Supplying and fixing suitable size G.I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin, 15/16 amps socket outlet and 15/16 amps piano type switch connection painting etc. all required all complete as per specification all direction of E/I.	Each	2.00	531.00	1062.00
92	1.25	S/F Modular type electronic fan regulator : Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connection but excluding modular plate etc as required as per specification and	Each	37.00	358.00	13246.00
93	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	18.00	135.00	2430.00
94	2.10.1	S/F Vertical type TP MCB DB : Supplying and fixing following way three pole and neutral, sheet steel, MCB distribution board 415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnection phosphatized and power painted including earthing etc. as required (BUt without MCB/ RCCB/ Isolator) all complete as per specification and direction of E.I. 4 way (4 + 12) double door, vertical type.	Each	3.00	7857.00	23571.00
95	2.9.1	S/F TP MCB DB : Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board 415 volts on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar din bar detachable gland plates interconnection phosphatized & power painted including earthing etc. as required (But without MCB RCCB / Isolator) all complete as per specification and direction of E/I 4 way (4 + 12) double door, horizontal type.	Each	4.00	4184.00	16736.00
96	2.12.8	S/F 'C' series SP MCB : Supplying and fixing following rating 240 volts, 'C' series, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections testing and commissioning etc. As required all complete as per specification and direction of E/I 50/63 amps TPN.	Each	4.00	2329.00	9316.00
97	2.15.1	S/F DP MCB isolator : Supplying and fixing following rating double pole. 240 volts isolator in the existing MCB DB complete with connection testing and commissioning etc. As required as per specification and direction of E/I. 40 amps.	Each	10.00	429.00	4290.00
98	2.35.2	S/F porcelain fuse unit : Providing and fixing following capacity porcelain fuse link complete. Rewireable type 240/415 volts including drilling holes in board making connection as required ad per specification and direction of	Each	20.00	316.00	6320.00

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99	2.5.5	S/F Busbar chamber : Providing and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connection earthing the body etc. As required all complete as per specification and direction of E/I. 400 amps.	Each	1.00	19048.00	19048.00
100	2.5.3	S/F Busbar chamber : Providing and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connection earthing the body etc. As required all complete as per specification and direction of E/I. 200 amps.	Each	3.00	10550.00	31650.00
101	2.4.4	S/F MCCB in cubicle panel board : Providing and fixing following rating and capacity four pole MCCB in existing panel board. Including drilling holes in cubicle panel making connection etc. As required all complete as per specification and direction of E/I. 200 amps 36 KA	Each	3.00	16190.00	48570.00
102	2.7.1	S/F ON - load / panel mounted changeover : Providing and fixing following capacity 4 pole ON - load/ panel mounted change over switches in existing cubicle panel board, making connection earthing the body etc. As required all complete as per specification and direction of E/I 40 amps 4 pole.	Each	1.00	7135.00	7135.00
103	2.2	S/F Panel mounted TP & N in cubicle panel board : Providing and fixing following capacity TP & N disconnector fuse switch unit inside the existing cubicle panel board, with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc, as required all complete as per specification and direction of E/I. 200 amps TP & N	Each	3.00	10246.00	30738.00
104	2.20	P/F M.V. Danger notice plate : Providing and fixing M.V. Danger notice plate of 200 mm x 150 mm made of mild steel at least 2 mm thick and vitreous enamelled white on both sides, and with inscription in single red colour of front side etc. As required all complete as per specification and	Each	1.00	214.00	214.00
105	8.11	Supplying and fixing wall / floor mounted cubical panel board fabricated with 16 gauge iron sheet, suitable for panel mounted switch disconnector, including bus- bar chamber insulator and painting etc. Required (but without busbar copper strip) as per specification and direction of E/I.	sq. ft.	34.00	1809.00	61506.00
106	2.1.1	S/F rewirable double pole / TP & N switch disconnector : Providing and fixing following capacity double pole / TP & N sheet metal switch disconnector fuse unit in existing metal board with rewirable type fuses, including drilling holes in metal board, making connections etc. as required all complete as per specification and direction of E/I. 16 amps	Each	1.00	978.00	978.00
107	2.1.2	S/F rewirable double pole / TP & N switch disconnector : Providing and fixing following capacity double pole / TP & N sheet metal switch disconnector fuse unit in existing metal board with rewirable type fuses, including drilling holes in metal board, making connections etc. as required all complete as per specification and direction of E/I. 32 amps.	Each	1.00	1946.00	1946.00
108	7.7.13	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV as required. 150 sq.mm 3.5 core	M	32.00	1373.00	43936.00
109	7.7.14	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 1.1 KV as required. 185 sq.mm 3.5 core	M	42.00	1763.00	74046.00
110	3.1	G.I. Earth pipe electrode with salt/ charcoal : Earthing with G.I. Earth pipe 4.5 mtr long, 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. With charcoal and salt etc. as required all complete as per specification and	Each	1.00	5033.00	5033.00

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111	3.3	G.I. Earth plate electrode : Earthing with G.L. Earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with over plate having locking arrangement and watering pipe etc. as required (But without charcoal or cole and salt) all complete as per specification	Each	1.00	5578.00	5578.00
112	3.10	P/F 25 mm x 5 mm copper strip in pipe : Providing and fixing 25 mm x 5 mm copper stric in 40 mm dia G.I. Pipe from earth electrode as required all complete as per specification and direction of E/I.	Each	2.00	1628.00	3256.00
113	2.17.1	S/F SPN RCCB : Supplying and fixing following rating double pole, (single phase and neutral) 240 volts, residual current circut breaker (RCCB) having a sensitivity current upto 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required all complete as per specification and direction of E/I. 25 amps.	Each	1.00	2131.00	2131.00
114	3.19	P/F 4 mm copper loop earthing wire in surface/ recess : Providing and fixtting 4.00 mm dia copper wire on surface or in recess for loop earthing as required all complete as per specification and direction of E/I.	M	5.00	122.00	610.00
115	4.4	Jointing copper / G.I. Type (with another coper / Gl. Tape. Base of the finial or any other metallic object) by reverting / nut bolting sweating and soldering etc. As required all complete as per specification and direction of E/I.	M	16.00	81.00	1296.00
116	1911 Basic code elect.	Supplying G.I pipe (32 mm dia) medium class G.I. Pipe for ranging lighting luminaire and ceiling fand etc. As required as per specification and direction of E/I. Rate with GST &CPOH	M	45.00	344.80	15516.00
117	1.44	ITC Ceiling fan : Installation testing and commissioning of ceiling fan, includind wiring the down rods of standard length (upto 30cm) with 1.5 sq. Mm FR PVC insulated copper conductor single cable etc. As reqed all complete as per specification and direction of E/I.	Each	34.00	135.00	4590.00
118	1.50.1	ITC exhaust fan upto 450 mm sweep : Installation of exhaust fan upto 450 mm sweep in the existing opening including including making the hole to suit the size of the above fan making good the damage connection testing commissioning etc. As required as per specification and direction E/I.	Each	6.00	296.00	1776.00
119	1.49	Numbering of fan/ fittings Numbering of ceiling fan/ exhaust / fan / fluorescent fittings as required as per specification and direction of E/I.	Each	40.00	38.00	1520.00
120	8.17.1	300 mm sweep A.C. Exhaust fan / freashair fan of Model Ventil ir DS Havels make Equivalent etc. All complete as per specification and direction of E/I.	Each	6.00	2572.00	15432.00
121	8.15	Supply and installation of regular/standard model A.C ceiling fan of 1200mm sweep including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	10.00	2482.00	24820.00
122	8.15	Supply and installation of regular/standard model A.C ceiling fan of 1200mm sweep including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	9.00	2482.00	22338.00
123	6.1.7	S/F Following type lamp : Supplying and fixing following type lamp in existing electrical fitting / fixtures etc. As required as per specification and direction of E/I 20 watt LED lamp.	Each	7.00	267.00	1869.00
124	6.4.1	S/F following way rewirable type D.B. : Providing and fixing following way sigle pole porcelain rewirable type 16 amps per way 240 volts. On surface/ recessed, on suitable size PVC / G.I box with phenolic laminated sheet complete with porcelain fuse link nterconnection and earthing the body etc. as required as per specification and direction of E/I. 2 way.	Each	13.00	344.00	4472.00

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125	5.2	Supplying and fixing 2'X9 watt LED batten with minimum efficacy 100 lm/w in polycarbonate housing and complete with integrated electronic driver etc directly on wall/ ceiling including connections with 1.5 sq.mm FRLS PVC insulatedcopper conductor etc. as required.	Each	39.00	492.00	19188.00
126	5.9	Supplying and fixing recess mounted 36 watt LED flatpanel (2' X 2') with minimum efficacy 100 lm/w which provides soft light and glare free symmetrical illuminationsuitable for armstrong/grid ceiling and integrated electronic driver etc directly on false ceiling including connectionswith 1.5 sq.mm FRLS PVC insulated copper conductor cable etc as required..	Each	8.00	2663.00	21304.00
127	6.1.7	S/F following type lamp : Supplying and fixing following type lamp in existing electrical fitting / fixtures etc. As required as per specification and direction of E/I. 20 watt LED lamp	Each	15.00	267.00	4005.00
128	6.1.7	S/F following type lamp : Supplying and fixing following type lamp in existing electrical fitting / fixtures etc. As required as per specification and direction of E/I. 20 watt LED lamp	Each	20.00	267.00	5340.00
129	as per Gem Portal	Air Conditioner of capacity 1.3 to 1.7 TON	each	3.00	64990.00	194970.00
130	5.14.2	Supplying and fixing 40/45 watt LED street light due cast aluminium housing for ingress protection of IP66 and complete with all asscessories etc. On pole/ building including connection with FR insulated copper conductor cable and earthing the body etc. as per required as per specification	Each	4.00	3382.00	13528.00
TOTAL OF ELECTRIFICATION (E)						948810
SEPTIC TANK						
131	2.8.1	Earth work in excavation 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.	cum	11.89	360.70	4289.00
132	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	0.84	287.30	241.00
133	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	cum	5.57	283.30	1578.00
134	4.1.3	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.84	3998.10	3358.00
135	6.1.12	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4	cum	4.85	5017.9	24337.00
136	13.17.1	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	27.31	192.20	5249.00
137	19.17.1	Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) : With 20x20 mm square bar	Each	10	339.20	3392.00
138	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.	sqm	4.53	203.00	920.00
139	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns	sqm	7.06	211.60	1494.00
140	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work puto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	0.84	4688.30	3938.00

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141	5.22.7 B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Mild steel 5.5 mm dia .	kg	70.47	92.60	6526.00
		TOTAL OF SEPTIC TANK (F)				55322
		WATER SUPPLY				
142	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. Pan) with 100 mm sand cast iron P or S trap, 10 litre low level white PVC flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231 with all fitting and fixtures complete including cutting and making good the walls and floors wherever required white vitreous china orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests etc. complete job as per building specifications and direction of E/I.	Each	2.00	4251.10	8502.00
143	17.1.2	Providing and fixing water closet squatting pan (Indian type W.C. Pan) with 100 mm sand cast iron P or S trap, 10 litre low level white PVC flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231 with all fitting and fixtures complete including cutting and making good the walls and floors wherever required : Stainless steel AISI 304 (18/8) Orissa pattern W.C. pan of size 582 x 480 mm with flush pipe and intergrated pype foot rests etc. complete job as per building specification and	Each	1.00	8666.30	8666.00
144	17.4.2	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 240 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standrad flush pipe and C.P. Brass spreaders with brass union and G.I clamps complete. including painting of fittings and brackets, cutting and making good the walls and floors wherever required : Range of Two urinal basins with 5 litre white PVC automatic flushing cistern etc. all complete as per specification and direction of E/I.	Each	1.00	5561.80	5562.00
145	17.6.1	Providing and fixing one piece constrution white vitreous china squatting plate with an integral longitudinal flushing pipe white PVC automatic flushing cistern, with fittings standard size G.I. / PVC flush pipe for back and front flush with standrd spreader pipes with fittings G.I. clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 liter PVC automatic flushing cistern etc. all complete job as per specification and	Each	2.00	4998.50	9997.00
146	17.7.3	Providing and fixing wsh basin with C.I. Brackets 15 mm C.P. Brass pillar taps 32 mm C.P. Brass waste of standard pattern, including painting of fittings and brackets cutting and making good the walls wherever require : White Vitreous China Wash basin size 550 x 400 mm with a pair of 15 mm C.P. brass paillar taps etc. all complets as per specifications and	Each	6.00	2298.00	13788.00
147	17.22	Providing and fixing G.I. Intel connection for flush pipe connecting with W.C. Pan etc. All complete as per specification and direction of E/I.	Each	3.00	116.10	348.00
148	17.33	Providing and fixing 600 x 120 x 5 mm glass shelf with edges round off supported on anodised aluminium angle frame with C.P. Brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. All complete job as per specification and direction of E/I.	Each	3.00	639.40	1918.00
149	17.32. 3	Providing and fixing mirror of required shape and size with plastic molded frame of approved make and shade with 6 mm thick hard board backing Oval shape 45 x 350 mm (iouter dimensions) etc. All complete job as per specification and	Each	3.00	918.50	2756.00
150	17.32. 4	Providing and fixing mirror of required shape and size with plastic molded frame of approved make and shade with 6 mm thick hard board backing Rectangular shape 1500 x 450 mm etc. all complete job as per specification and direction of E/I.	Each	3.00	1519.40	4558.00







151	17.28.1.2	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings semi rigid pipe 40 mm dia etc. Complete job as per building specification and direction of E/I.	Each	3.00	98.40	295.00
152	17.61.1	Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) : 100 mm dia.	M	7.00	313.20	2192.00
153	17.69.2	Providing and fixing PTMT waste coupling for wash basin and sink of approved quality and colour Waste coupling 38mm dia of 83 mm length and 77 mm breadth, weighing not less than 60 gms etc. All complete as per specification and direction of	Each	3.00	118.50	356.00
154	17.71	Providing and fixing PTMT liquid soap container 109 mm wide 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms etc. All complete job as per specification and	Each	6.00	158.60	952.00
155	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality, colour and make weighting not less than 88 gms etc. All complete job as per specification and direction fo	Each	6.00	228.20	1369.00
156	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass cerews with concealed fitting arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective heighth of 88mm weighing not less than 190 gms.	M	3.00	439.00	1317.00
157	17.75	Providing and fixing PTMT 15 mm Urinal spreader size 95 x 69 x 100 mm with 1/2" BSP thread and shapes as per BIS specification weighting not less than 60 gms etc. All complete job as per specification and direction of E/I.	M	10.00	119.80	1198.00
158	12.78.1	Providing and fixing on wall face unplasticised PVC (working pressure 4 kg per sqcm) rain water pipes conforming IS 4985 including joiting with seal ring conforming to IS : 5352 leaving 10 mm gap for thermal expansion. 75 mm diameter all complete as per building specifications and direction of E/I.	M	40.00	158.60	6344.00
159	12.79.1.2	Providing and fixing on wall face unplasticised PVC moulded fittings / accessories for unplasticised PVC rain water paipes conforming to IS 4952 including joiting with seal ring conforming to IS : 5352 leaving 10 mm gap for thermal expansion Couplet 110 mm all complete as per building specifications and direction of E/I.	Each	17.00	117.80	2003.00
160	12.79.2.2	Providing and fixing on wall face unplasticised PVC moulded fittings / accessories for unplasticised PVC rain water paipes conforming to IS 4952 including joiting with seal ring conforming to IS : 5352 leaving 10 mm gap for thermal expansion Single pushfit couplet 110 mm all complete as per building specifications and direction of E/I.	Each	7.00	367.20	2570.00
161	12.79.3.2	Providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised PVC rain water pipes conforming to IS : 4985 including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion Single tee with door 110 x 110 x 110 mm all complete as per building specification and direction of E/I.	Each	6.00	191.20	1147.00
162	12.79.4.2	Providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised PVC rain water pipes conforming to IS : 4985 including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion Single tee with door 110 x 110 x 110 mm all complete as per building specification and direction of E/I.	Each	7.00	188.60	1320.00

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163	12.79.5.2	Providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised PVC rain water pipes conforming to IS : 4985 including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion Band 87.5 110 mm all complete as per building specification and direction of E/I.	Each	30.00	129.80	3894.00
164	12.79.6.2	Providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised PVC rain water pipes conforming to IS : 4985 including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion Shoe Plain 110 mm all complete as per building specification and direction of E/I.	Each	14.00	113.78	1593.00
165	12.80.2	Providing and fixing unplasticised PVC pipe clip of approved design to unplasticised PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50 x 50 mm hard wood plugs screwed with M.S. Screws of required length including cutting brick work and fixing on cement mortar (1:4) 1 cement : 4 coarse sand and making good the wall etc. 110 mm all complete as per building specifications and direction	Each	25.00	174.06	4352.00
166	18.12.3	Providing and fixing G.I. Pipes complete with G.I. Fittings including trenching and refilling etc. Complete job as per building specification and direction of E/I. External work 25 mm dia nominal bore.	M	58.00	303.20	17586.00
167	18.12.4	Providing and fixing G.I. Pipes complete with G.I. Fittings including trenching and refilling etc. Complete job as per building specification and direction of E/I. External work 32 mm dia nominal bore.	M	17.00	363.20	6174.00
168	18.2.1	Providing and fixing polyethelene Aluminium polythelene (PE-AL-PE) Composite Pressure Pipes Conforming to IS - 15450 U.V. Stabilized with carbon black thermal stability for hot & cold water supply, capable to withstand temperature up to 800 c including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps. at 1.00 metre spacing This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge. Concealed work including cutting chases and making good the	M	30.00	299.10	8973.00
169	18.13.1	Making connection of G.I. Distribution branch with G.I. Main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. Complete job as per building specification and direction of E/I. 25 to 40 mm nominal bore.	Each	17.00	402.30	6839.00
170	18.21.2.1	Providing and fixing unplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore 20 mm nominal bore etc. All complete as per building specification	Each	12.00	83.00	996.00
171	18.50.1	Providing and fixing C.P. Brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore etc. All complete as per building specification and direction of E/I.	Each	10.00	618.80	6188.00
172	18.52.1	Providing and fixing C.P. Brass Stop cock of (concealed) of standard design and of approved make conforming to IS 8931 . 15 mm nominal bore etc. all complete as per building specification and direction of E/I.	Each	12.00	606.30	7276.00
173	18.56.2	Providing and fixing PTMT pillar cock of approved quality and colour. 15 mm nominal bore 125 mm long foam flow weighing not less than 120 gms etc. All complete as per building specification and direction of E/I.	Each	10.00	210.00	2100.00
174	18.58.1.2	Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole. Etc. All complete as per building specifications and	Each	10.00	51.30	513.00
175	18.18.2	Providing and fixing ball valve (brass) of approved quality high or low pressor, with plastic float : 20 mm nominal bore etc. All complete job as per technical specifications and direction of E/I.	Each	6.00	386.40	2318.00







176	18.48.	Providing and placing on terrace (at all floor levels polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank etc. all complete as per building specifications and direction of E/I.	Litre	3000.00	8.80	26400.00
177	3	18.38. Painting G.I. Pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat both of approved quality for new work 25 mm diameter pipe etc. All complete as per building specifications and direction of E/I.	m	60.00	17.40	1044.00
178	4	18.38. Painting G.I. Pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat both of approved quality for new work 32 mm diameter pipe etc. All complete as per building specifications and direction of E/I.	M	16.00	20.50	328.00
179	6	12.15. Providing and fixing asbestos cement roofing accessories with galvanic iron J or L hooks, bolts and nuts and G.L. Seam bolts and nuts, G.I. Plain and bitumen washer Ridge finials etc. All complete as per building specification and	Pair	35.00	154.50	5408.00
180	9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod as per building specification and direction of E/I.	M	100.00	139.40	13940.00
181	10.1	Structural steel work in single section fixed without connecting plate including cutting, hoisting fixing in position and applying a priming coat approved steel primer all complete as per building specifications and direction of E/I.	Kg.	0.00	65.60	0.00
182	9.125	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. Doors.) using synthetic rubber based adhesive as per building specifications and direction of E/I.	sqm	10.00	819.20	8192.00
183	8745	Supplying of 65 mm x 55 mm x 2 mm thick Factory made door frame of PVC extruded section in white grey or wooden finish all complete as per approved specification and direction of E/I. (Rate with GST & CPOH)	M	10.00	355.00	3550.00
184	17.10. 1.1	Providing and fixing stainless steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. Brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink with drain board : 510 x 1040 mm bowl depth 250 mm etc. all complete as per specifications and direction of E/I.	Each	1.00	4476.70	4477.00
TOTAL OF WATER SUPPLY (G)						209299
BORING						
185	24.1.1.1	Boring/drilling borewell 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 (All types of soil)				
24.1.1.	300 mm dia		M	60	486.8	29208

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186	24.3	Supplying, assembling, lowering and fixing in vertical position in borewell, 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				
	24.3.1	100 mm nominal size dia	M	30	546.1	16383
	24.3.2	150 mm nominal size dia	M	30	660.1	19803
187	24.4.1	Supplying, assembling, lowering and fixing in vertical position in borewell unplasticized PVC medium well screen (RM S) 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				
		100 mm nominal size dia	M	60	573.1	34386
188	24.8	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.	M	6.08	1343.20	8166.66
189	18.5	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	liter	1000	9.70	9700

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190	24.1	Development of tubewell in accordance with IS:2800(part I) and IS:11189, to establish maximum rate of usable water yield with out 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" not 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	5	916.8	4584
191	24.1	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				
	24.13.	150 mm dia	each	1	210.7	210.7
192	24.1	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.				
	24.14.	150 mm clamp	each	1	1531.4	1531.4
193	24.2	Providing and fixing Bail plug/Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I)				
	24.15.	100 mm dia	each	1	228.3	228.3
194	PHED	Establishment of 1.0 HP submersible pump set with all fittings (rate analysis attached)	Set	1	15485	15485

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195	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, including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
	18.7.5	40 mm nominal outer dia Pipes	M	20	538.4	10768
	18.8.1	15 mm nominal outer dia Pipes	M	20	278.2	5564
	18.8.3	25 mm nominal outer dia Pipes	M	20	463.1	9262
196	8.17.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore.	nos	1	589.9	589.9
		TOTAL BORING (H)				165870
		SOAK PIT				
197	2.8.1	Earthwork in excavation in foundation trenches or drains (not exceeding 1.5 min width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	M3	3.53	360.7	1273
198	20.3A.1	Making 25cm (10") dia bore upto 4mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A) true to plum band without eccentricity in any stage of operation and disposal of the excavated earth upto 50mtr ,Lead including all lifts, all complete as per approved design and direction of E/I (Details of cost for 4 piles of 4m=16mtrs depth)	M	3	178.3	535
199	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	M3	1.05	287.3	302
200	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	0.98	283.3	278
201	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.	M3	0.07	3998.1	294
202	6.1.12 /1	Brick work with bricks of class designation 100A in foundation sand plinth in :Cement mortar 1 :.4 (1 cement: 4 coarse sand)	M3	1.37	5017.9	6893
203	362	Providing Brick bat filling and direction of E/I.	M3	1.18	1075	1266
204	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring ,shuttering, finishing and reinforcement-All work upto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	M3	0.26	4688.3	1242

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205	5.22.7 B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-10mm dia	KG	22.52	92.6	2085
206	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.	M ²	0.71	211.6	149
		TOTAL SOAK PIT (I)				14318
		SILT CHAMBER				
207	2.8.1	Earthwork in excavation in foundation trenches or drains (not exceeding 1.5 min width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	M3	0.72	360.7	261
208	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	M3	0.05	287.3	16
209	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ²	0.72	283.3	205
210	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:2:4(1Cement: 2coarsesand:4gradedstoneaggregate20mm nominal size)	M3	0.05	3998.1	217
211	6.1.12 /1	Brick work with bricks of class designation 100A in foundation sand plinth in :	M3	0.36	5017.9	1819
212	13.11. 2+13. 26	Cement plaster in course sand 12 mm cement plaster of mix: 1:4(1 cement :4 coarse sand) with Neat cement punning	M ²	2.76	193.4	534
213	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement-All work upto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	M3	0.11	4688.3	508
214	5.22.7 B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500-10mm dia	KG	8.67	92.6	803
215	5.9.1	Centring and shuttering including strutting, propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.	M ²	0.51	211.6	108
		TOTAL SILK CHAMBER (J)				4469
		GRAND TOTAL (A+B+C+D+E+F+G+H+I+J)				10272607
216		Carriage of Materials				
	a	Bricks	0%Nos	132933	936.04	124431
	b	Sone sand	M ³	236.56	414.75	98114
	c	Stone Chips	M ³	264.78	2623.46	694644
	d	Local Sand	M ³	80.28	316.15	25381
217		Diff cost of materials				
	a	Bricks	0%Nos	132933	421.25	55998
	b	Cement	MT	149.55	670.29	100240
218		SEIGNIORIAGE FEES				
	a	Bricks :-	0%Nos	132932.98	512.80	68168
	b	Stone Chips:-	M ³	264.78	59.54	15765
	c	Sone Sand :-	M ³	236.56	14.18	3354

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d	Local Sand	M ³	80.28	17.58	1411
				Total	11460113
219	Add cost of Scheme Board	Nos	1	5000	5000
220	Add GST Multiplier factor (5.36%)				543297
221	Inaguration Board	Nos	1	5000	5000
				Total	12013410

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कार्यपालक अभियंता
नगर विकास प्रमंडल
भागलपुर-बाँका, भागलपुर

BOQ approved for the Amount of Rs.- 1,20,13,410.00/-
i.e (For Rupees of One Crore Twenty lakh Thirteen
Thousand four hundred Ten) only.

06/06/2026
सहायक अभियंता
नगर विकास अंचल
भागलपुर

06.06.2026
अधीक्षण अभियंता
नगर विकास अंचल
भागलपुर

11/6/26

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