

BILL OF QUANTITY						
Construction of Animal birth control centre under nagar parishad Lakhisarai						
Bill No			Group No			
			Estimated Amount		11495907	
			E.M. Required		229000	
			B.O.Q Cost		10000	
			Bid Processing fee		AS per I proc 7.0	
			Time of Completion		6	Months
Sl. No	SQR NO. (BOQ)	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 rubbish, lead upto 50 m and lift upto 1.5 m	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 including all lifts, all complete as per approved design 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 m 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 disposal of surplus excavated soil as directed, within a lead of 50 m.	M³	10.56	360.70	3809
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.	M³	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	M³	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 centering, 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	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 centering, 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

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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	429.40	92315
B	5.9.3	Suspended floors, roofs, 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	13.12.4	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 desig complete.	each	40.00	174.60	6984
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 mordant solution.	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. complete: 125 mm	Each	44.00	57.10	2512
	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 stopper	Each	22.00	34.00	748
	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
	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
	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
	9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc. complete.	Each	12.00	71.30	856
	9.1.2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrouth framed and fixed in position sal wood.	M3	1.59	95670.70	152242
	9.20.1	Providing and fixing flush door shutters decorative type core of black board construction with frame of 1st class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35 mm thick including stainless steel.	M2	37.79	2845.60	107539

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9.9.2.1	Providing and fixing of steel glazed doors, windows and ventilators of standard 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 plug and screws or raw plug and screws or with fixing clips or with bolts and nuts as required including providing and fixing of glass panes with glazing clips and special coat of approved steel primer, excluding the cost of metal beading and other fitting except necessary hinges or pivots	M2	11.32	2455.40	27782
13.82.2	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	M2	61.68	83.50	5150
13.40A	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
11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness sqm 799.40 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) including pointing the joints with white cement and matching pigment etc., complete	M2	17.46	686.80	11994
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 12mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	M2	35.88	795.00	28526
11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) 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 CARRIAGE] (A)					5098747
DOG SHELTER					
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
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. ALL KINDS OF SOIL	M3	7.46	386.6	2884
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 including all lifts, all complete as per approved design and direction of E/I	Rm	36.00	178.3	6419
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
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
11.72	Providing designation 100 A one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M4	118.00	283.3	33429
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

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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 centering, 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	8.41	5677.2	47745
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 centering, 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	1.60	5293.5	8470
5.11.7C	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, chajja, 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
	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
6.1.14B	Brick work with bricks of class designation 1008 in foundations and plinth, Cement mortar 1:6 (1 cement: 6 coarse sand)	M3	4.24	4540.3	19251
6.1.12C	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
10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, holting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers	KG	1909.50	123.9	236587
12.5	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated for 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) in horizontal/vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	M ²	189.65	1501.3	284722
12.9.1	Providing and fixing plain G.S. 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 G.S. 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
13.26	Neat cement punning	M ²	105.25	40.5	4263
8.31	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat	M ²	303.45	304.15	92294
10.16.1	Steelwork in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, holting, 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
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

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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 & pattern.	M ³	55.66	714	39741
	TOTAL DOG SHELTER (EXCLUSIVE OF CARRIAGE) (B)				1580642
	BOUNDARY WALL				
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 including all lifts, all complete as per approved design and direction of E/I	M	99.97	178.3	17825
2.28	Supplying and filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete	M3	1.37	287.3	391
11.73	Providing designation 100 A one brick edgessoling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	M ³	28.79	444.8	17808
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	27.62	4688.3	129513
5.22.7c	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	2438.91	90.8	221453
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 ³	199.36	211.6	42185
6.1.14A	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:6 (1 cement. 6 coarse sand)	M3	18.8	4819	90597
6.14+ 6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : Extra for Brickwork in superstructure above plinth level upto floor V cum	M3	56.64	5662.10	320701
13.11.4	Cement plaster in course sand 12 mm cement plaster of mix:1:6(1 cement. 6 coarse sand)	M ³	480.31	141.5	67964
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 ³	480.31	81.2	39001
10.32.2	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required. In gratings, frames, guard bar, ladders, railings, brackets gates & similar works.	KG	621	114.6	71167
13.82.1+1 3.81.3	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 ³	7.81	118.1	922
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 apart and 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 (0.52mm thick) and weight 43.478 g/metre (cost of M.S. angle, C.C. blocks shall be paid separately	M	118.26	272.57	32234
	TOTAL BOUNDARY WALL (C)				1046765
	DRAIN (400 FEET)				

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Municipal Nagar Parishad area



28	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	74.88	360.7	27010
228	Supplying and filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete	M3	6.61	287.3	1898
512	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	36.18	4688.1	169635
591	Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.	M ²	61.93	211.6	13105
593	Centring and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	M ²	222.96	375.1	83632
594	Centring and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	M ²	55.74	437.5	24386
52278	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	2170.95	92.6	201030
TOTAL OF DRAIN (D)					520597
ELECTRIFICATION					
113	Point wiring in PVC conduit, with piano type switch wiring for light point for point, exhaust fan point can be point with 1.5 sqm mm FR PVC Insulated copper conductor single core cable in surface/recessed PVC conduit with piano type switch phenolic laminated sheet, suitable size PVC/G.I box etc. as required all complete as per specification and direction of E/I Group - c	each	20.00	1120.00	22400.00
179	Circuit/ submain wiring in PVC conduit wiring for circuit/ submain 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 sqm earth wire.	M	105.00	348.00	36540.00
1711	Circuit/ submain wiring in PVC conduit wiring for circuit/ submain 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 sqm earth wire	M	32.00	660.00	21120.00
1712	Circuit/ submain wiring in PVC conduit wiring for circuit/ submain 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 4 x 10 sq mm + 1 x 6 sq mm earth wire	M	32.00	825.00	29600.00
173	Circuit / Submain wiring in PVC conduit Wiring for circuit / submain 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 40 sq mm earth wire	M	200.00	309.00	61800.00
133	S/F Ceiling rose Supply and fixing 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	16.00	64.00	1024.00
133	S/F Ceiling rose Supply and fixing 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
134	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
130	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 E/I	Each	15.00	424.00	6360.00
132	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
125	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 direction of E/I	Each	37.00	358.00	13246.00
144	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

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2101	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 EA 4 way (4 + 12) double door, vertical type.	Each	3.00	7857.00	23571.00
291	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 plate interconnection phosphatized & power painted including earthing etc as required (But without MCB RCCB / Isolator) all complete as per specification and direction of EA 4 way (4 + 12) double door, horizontal type	Each	4.00	4184.00	16736.00
2128	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 EA 30/63 amps TPN	Each	4.00	2329.00	9316.00
2151	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 EA 40 amps	Each	10.00	429.00	4290.00
2352	S/F porcelain fuse unit Providing and fixing following capacity porcelain fuse link complete Rewirable type 240/415 volts including drilling holes in board making connection as required as per specification and direction of EA 32 amps 240 volt	Each	20.00	316.00	6320.00
255	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 EA 400 amps	Each	1.00	19048.00	19048.00
253	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 EA 200 amps	Each	3.00	10550.00	31650.00
244	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 EA 200 amps 36 KA	Each	3.00	16190.00	48570.00
271	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 EA 40 amps 4 pole	Each	1.00	7135.00	7135.00
22	S/F Panel mounted TP & N in cubicle panel board Providing and fixing following capacity TP & N disconnecter 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 EA 200 amps TP & N	Each	3.00	10246.00	30738.00
220	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 of 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 direction of EA	Each	1.00	214.00	214.00
8.11	Supplying and fixing wall / floor mounted cubical panel board fabricated with 16 gauge iron sheet, suitable for panel mounted switch disconnector, including busbar chamber insulator and painting etc. Required (but without busbar copper strip) as per specification and direction of EA	sq ft	34.00	1809.00	61505.00
211	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 EA, 16 amps double pole	Each	1.00	978.00	978.00
21.2	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 EA 32 amps double pole	Each	1.00	1946.00	1946.00
7713	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 11 KV as required 150 sq mm 3.5 core	M	32.00	1373.00	43936.00
7714	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage upto 11 KV as required 185 sq mm 3.5 core	M	42.00	1763.00	74046.00
31	G I Earth pipe electrode with salt charcoal Earthing with G L 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 direction of EA	Each	1.00	5033.00	5033.00
33	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 cover plate having locking arrangement and watering pipe etc as required (But without charcoal or coke and salt) all complete as per specification and direction of EA	Each	1.00	5578.00	5578.00
310	P/F 25 mm x 5 mm copper strip in pipe Providing and fixing 25 mm x 5 mm copper strip in 40 mm dia G I Pipe from earth electrode as required all complete as per specification and direction of EA	Each	2.00	1623.00	3256.00

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Assistant Engineer
Urban Development Division
Muzaffarpur

Executive Engineer
Urban Development Division
Muzaffarpur

2171	S/F SPN RCCB Supplying and fixing following rating double pole, (single phase and neutral) 240 volts, residual current circuit 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 EA 28 amps	Each	1 00	2131 00	2131 00
319	P/F 4 mm copper loop earthing wire in surface/ recess Providing and fitting 4.00 mm dia copper wire on surface or in recess for loop earthing as required all complete as per specification and direction of EA	M	3 00	122 00	610 00
44	Joining copper / GI Type (with another copper / GI Tape Base of the final or any other metallic object) by reversing / nut bolting sweating and soldering etc. As required all complete as per specification and direction of EA	M	16 00	81 00	1296 00
1911 Basic code elect	Supplying GI pipe (32 mm dia) medium class GI Pipe for ranging lighting luminaire and ceiling fan etc. As required as per specification and direction of EA Rate with GST & CPOH	M	45 00	344 80	15516 00
144	ITC Ceiling fan Installation testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30cm) with 1.5 sq Mm FR PVC insulated copper conductor single cable etc. As reqd all complete as per specification and direction of EA	Each	34 00	135 00	4590 00
1501	ITC exhaust fan upto 450 mm sweep Installation of exhaust fan upto 450 mm sweep in the existing opening 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 of EA	Each	8 00	296 00	1776 00
149	Numbering of fan/ fittings Numbering of ceiling fan/ exhaust / fan / fluorescent fittings as required as per specification and direction of EA	Each	40 00	38 00	1520 00
8171	300 mm sweep A.C. Exhaust fan / freashair fan of Model Ventil in DS Havels make Equivalent etc. All complete as per specification and direction of EA	Each	8 00	2572 00	15432 00
815	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
815	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
617	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 EA 20 watt LED lamp	Each	7 00	267 00	1869 00
641	S/F following way rewirable type DB Providing and fixing following way single pole porcelain rewirable type 16 amps per way 240 volts. On surface/ recessed, on suitable size PVC / GI box with phenolic laminated sheet complete with porcelain fuse link interconnection and earthing the body etc. as required as per specification and direction of EA 2 way	Each	13 00	344 00	4472 00
52	Supplying and fixing 2X9 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 insulated copper conductor etc. as required	Each	39 00	492 00	19188 00
59	Supplying and fixing recess mounted 36 watt LED fan panel (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 connections with 1.5 sq mm FRLS PVC Insulated copper conductor cable etc as required	Each	8 00	2663 00	21304 00
617	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 EA 20 watt LED lamp	Each	15 00	267 00	4005 00
617	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 EA 20 watt LED lamp	Each	20 00	267 00	5340 00
as per Gem Portal	Air Conditioner of capacity 1.3 to 1.7 TON	each	3 00	64990 00	194970 00
514.2	Supplying and fixing 40/45 watt LED street light due cast aluminium housing for ingress protection of IP66 and complete with all accessories etc. On pole/ building including connection with FR insulated copper conductor cable and earthing the body etc. as per required as per specification and direction of EA	Each	4 00	3382 00	13528 00
TOTAL OF ELECTRIFICATION (E)					948810
SEPTIC TANK					
281	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 42	360 70	4119 00
228	Supplying and Filling in plinth with local sand and under floors including, wetting, ramming consolidating and dressing complete	cum	0 85	281 40	242 00
1172	Providing designation 100 A one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of EA	cum	5 70	285 20	1626 00
413	Providing and laying in position cement concrete of specified grade excluding the cost of centing 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 85	3953 40	3403 00
6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1 : 4 (1 cement 4 coarse sand)	cum	3 49	5018 2	17618 00
13171	12 mm cement plaster 1:3(1 cement 3 coarse sand) finished with a floating coat of near cement	sqm	16.3	195 10	3180 00
1917.1	Replacement of MS 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

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Assistant Engineer
Nadchad Area

Executive Engineer
Development Division



59.1	Ceiling and shuttering including strutting propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.	sqm	453	703.00	920.00
5.12	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of ceiling 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)	cum	0.783	4630.90	3626.00
5.22.70	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	69.20	4877.07
TOTAL OF SEPTIC TANK (I)					43000
WATER SUPPLY					
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 while vitreous china onssa 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 EA.	Each	2.00	4251.10	8502.00
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 integrated type foot rests etc. complete job as per building specification and direction of EA.	Each	1.00	8666.30	8666.00
17.4.2	Providing and fixing white vitreous china flat back or wall corner type lipped front unnal basin of 430 x 240 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard 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 unnal basins with 5 litre white PVC automatic flushing cistern etc. all complete as per specification and direction of EA.	Each	1.00	5561.80	5562.00
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 standard 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 direction of EA.	Each	2.00	4988.50	9977.00
17.7.3	Providing and fixing wash basin with C.I. Brackets 15 mm C.P. Brass pillar taps 32 mm C.P. Brass waste of standard pattern, including painting of fittings and brackets cutting and making good the walls wherever require. White Vitreous China Wash basin size 550 x 400 mm with a pair of 15 mm C.P. brass pillar taps etc. all complete as per specifications and direction of EA.	Each	8.00	2298.00	13788.00
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 EA.	Each	3.00	116.10	348.00
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 EA.	Each	3.00	639.40	1918.00
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 (outer dimensions) etc. All complete job as per specification and direction of EA.	Each	3.00	918.50	2756.00
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 EA.	Each	3.00	1519.40	4558.00
17.26.1.2	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 EA.	Each	3.00	96.40	295.00
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
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 EA.	Each	3.00	118.50	356.00
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 direction of EA.	Each	6.00	158.00	952.00
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 weighing not less than 88 gms etc. All complete job as per specification and direction of EA.	Each	6.00	228.20	1369.00
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 height of 88mm weighing not less than 190 gms	M	3.00	439.00	1317.00

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Assistant Engineer
Urban Development Division
Lakhsar Sherkiyura

Executive Engineer
Urban Development Division
Lakhsar Sherkiyura



12 75	Providing and fixing PTMT 15 mm Unnal spreader size 95 x 69 x 100 mm with 1/2" BSP thread and shapes as per BIS specification weighing not less than 80 gms etc. All complete job as per specification and direction of EA	M	10 00	119 80	1198 00
12 78 1	Providing and fixing on wall face unplasticised PVC (working pressure 4 kg per sqcm) rain water pipes conforming to IS 4985 including jointing 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 EA	M	40 00	158 60	6344 00
12 79 1 2	Providing and fixing on wall face unplasticised PVC moulded fittings / accessories for unplasticised PVC rain water pipes conforming to IS 4952 including jointing 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 EA	Each	17 00	117 80	2003 00
12 79 2 2	Providing and fixing on wall face unplasticised PVC moulded fittings / accessories for unplasticised PVC rain water pipes conforming to IS 4952 including jointing 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 EA	Each	7 00	367 20	2570 00
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 EA	Each	6 00	191 20	1147 00
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 EA	Each	7 00	188 60	1320 00
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 EA	Each	30 00	129 80	3894 00
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 EA	Each	14 00	113 78	1593 00
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 of EA	Each	25 00	174 06	4352 00
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 EA External work 25 mm dia nominal bore	M	58 00	303 20	17586 00
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 EA External work 32 mm dia nominal bore	M	17 00	363 20	6174 00
18 2 1	Providing and fixing polyethylene 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 wall etc. 1216 (16mm OD) pipe	M	30 00	299 10	8973 00
18 13 1	Making connection of G.I. Distribution branch with G.I. Main of following size by providing and fixing tee, including cutting and threading the pipe etc. Complete job as per building specification and direction of EA 25 to 40 mm nominal bore	Each	17 00	402 30	6839 00
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 and direction of EA	Each	12 00	83 00	996 00
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 EA	Each	10 00	618 60	6188 00
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 EA	Each	12 00	606 30	7276 00
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 EA	Each	10 00	210 00	2100 00
18 58 1 2	Providing and fixing PTMT galling of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole. Etc. All complete as per building specifications and direction of EA	Each	10 00	51 30	513 00
18 18 2	Providing and fixing ball valve (brass) of approved quality high or low pressure, with plastic float 20 mm nominal bore etc. All complete job as per technical specifications and direction of EA	Each	8 00	356 40	2318 00
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 EA	Litre	3000 00	8 80	26400 00

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Assistant Engineer
Urban Development Division
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Executive Engineer
Urban Development Division
Tukhbad, Nashikpura

18 38.3	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
18 38.4	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	10.00	20.50	328.00
12 15.6	Providing and fixing asbestos cement roofing accessories with galvanised 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 direction of E/I	Pair	35.00	154.50	5409.00
9 10.4	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
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	65.00	0.00
9 12.5	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
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
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					
24.1.1	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)				
24.1.1.1	300 mm dia	M	60	486.8	29208
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

Oct 4/26

6.4.26

Assistant Engineer
Lakhisarai Nagar Paliksha Area
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Lakhisarai + Sheikhpura
Lakhisarai

10.4.26

Executive Engineer
Urban Development Division
Lakhisarai + Sheikhpura
Lakhisarai

24.4.1	Supplying, assembling, lowering and fixing in vertical position in borewell unplasticized (UPVC) 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				
	100 mm nominal size dia	M	60	573.1	34386
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	8166.656
18.4S	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
24.12	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 ch 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
24.13	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				
24.13.2	150 mm dia	each	1	210.7	210.7
24.14	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.				
24.14.2	150 mm clamp	each	1	1531.4	1531.4
24.15	Providing and fixing Bail plug/Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS 2800 (part I)				
24.15.1	100 mm dia	each	1	228.3	228.3
PHED	Establishment of 1.0 HP submersible pump set with all fittings (rate analysis attached)	Set	1	15485	15485

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b.v.v.
A.V.

Assistant Engineer
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10.4.24

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Urban Development Division
Lakhisarai + Sholkhpura
Lakhisarai



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 100mm 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
18.17.2	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					
2.8.1	Earthwork 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 1.5m. 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
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 plumb band without eccentricity in any stage of operation and disposal of the excavated earth upto 50mtr, Lead including a lift, 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
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
11.72	Providing designation 100 A one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I.	M ³	0.98	283.3	278
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
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
362	Providing Brick bat filling and direction of E/I.	M3	1.18	1075	1266
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
5.22.7B	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
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 ³	0.71	211.6	149
TOTAL SOAK PIT (I)					14318

Oct 04/26
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6-4-26
A/E
Assistant Engineer
Lakhisarai Nagar Parishad Area
Urban Development Division
Lakhisarai + Sheikhpura
Lakhisarai

[Signature]
10.4.26
Executive Engineer
Urban Development Division
Lakhisarai + Sheikhpura
Lakhisarai

SILT CHAMBER				
2.8.1	Earthwork in excavation in foundation trenches or drains (not exceeding 1.5 m in 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 load of 50 m.	M3	0.72	360.7
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
11.72	Providing designation 100 A one brick flat soiling joints lited with local sand Including cost of watering, taxes, royalty all complete as per building specification and direction of I/A.	M ³	0.72	283.3
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(1Cement: 2coarse sand: 4graded stone aggregate 20mm nominal size)	M3	0.05	3928.1
6.1.12/1	Brick work with bricks of class designation 100A in foundation sand plinth in :	M3	0.36	5017.9
13.11.2+1 3.26	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
5.1.2	Providing and laying in position specified grade of reinforced cement concrete exluding 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
5.22.7B	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
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
TOTAL SILK CHAMBER (J)				4469
TOTAL (A+B+C+D+E+F+G+H+I+J)				9632617
Carriage of Materials				1186378
SEIGNIORIAGE FEES				87333
Add GST Multipling factor (5.36%)				584579
Add cost of Scheme Board				5900
Total				11495907

Cost/26
3

Cost/26
6.4.26
A.4

Cost/26
18/6/26
Executive Engineer
Urban Development Division
Lakhisarai + Sheikhpura
Lakhisarai

BOR approved for amount ₹ 1,14,95,907 (one crore fourteen lakhs ninety five thousand nine hundred and seven rupees only).

Cost/26
10/06/26

सहायक अभियंता
नगर विकास अंचल, मुंगेर

Cost/26
10/06/26

अधीक्षण अभियंता
नगर विकास अंचल, मुंगेर