

अधीक्षण अभियंता का कार्यालय

नगर विकास अंचल-2,
नगर विकास एवं आवास विभाग, पटना।

पत्रांक..... 535

दिनांक..... 19/06/2026

प्रेषक,

अधीक्षण अभियंता,
नगर विकास प्रमंडल-2, पटना।

सेवा में,

कार्यपालक अभियंता,
नगर विकास प्रमंडल, भोजपुर+बक्सर, (बक्सर)।
कार्यपालक पदाधिकारी,
नगर परिषद् बक्सर।

विषय:— प्राक्कलन पर तकनीकी स्वीकृति एवं परिमाण विपत्र का अनुमोदन प्रदान करने के संबंध में।

प्रसंग:— कार्यपालक अभियंता, नगर विकास प्रमंडल, भोजपुर+बक्सर, बक्सर का पत्रांक-200 दिनांक- 25/05/26

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के द्वारा नगर परिषद् बक्सर अन्तर्गत Animal Birth Control Centre के निर्माण कार्य का प्राक्कलन को तकनीकी स्वीकृति एवं परिमाण विपत्र अनुमोदन हेतु समर्पित किया गया है। जाँचोपरान्त तकनीकी स्वीकृति एवं अनुमोदित परिमाण विपत्र की राशि निम्नवत् है:-

क्र०सं०	योजना का नाम	तकनीकी स्वीकृति की राशि(रु० में)	परिमाण विपत्र की राशि(रु० में)
01	Construction of Animal Birth Control Centre With 50 Kennel Under Nagar Parishad Buxar	1,15,54,386 = 00	1,15,49,118 = 00

अतः उपरोक्त अंकित कार्य का तकनीकी स्वीकृति प्राप्त प्राक्कलन एवं परिमाण विपत्र की अनुमोदित प्रति के साथ अग्रेतर कार्रवाई हेतु लौटाई जा रही है।

अनु०- तकनीकी स्वीकृत प्राप्त प्राक्कलन एवं अनुमोदित परिमाण

विपत्र मूल प्रति में।

विश्वासभाजन

19/06/26

अधीक्षण अभियंता,

नगर विकास अंचल-02
नगर विकास एवं आवास विभाग,
पटना।

URBAN DEVELOPMENT AND HOUSING DEPARTMENT, GOVT OF BIHAR

NAGAR VIKAS PRAMANDAL BHOJPUR-BUXAR		
NAGAR PARISHAD ,BUXAR		
Bill of Quantity for ABC center(50 kennels)		
Abstract of Cost		
S.no	Item/Work	Rate (in Rs.)
1	Construction of ABC center (70'0" x 60'0")	509 5667.13 -5,098,746.95
2	Dog shelter shed work (28'10"x60'4")	1554120.07 -1,589,352.78
3	Construction of Boundary Wall	1,046,766.91
4	for drain	520,658.00
5	Electricfication Work	-948,810.00
6	Septic Tank	-43,000.00
7	Water supply + Boring	375,168.96
8	Soak pit	-18,788.15
9	Carriage + Difference cost of material	-1,252,238.56
10	Sign board	-5,000.00
	Sub Total	10877745.01 -10882745.01 10,898,530.42
11	Adding 5.36% GST	583047.13 -583315.13 584,161.23
12	Siegnorage fee	88325.52 121,760.40
	Total cost	11549117.66 -11,609,452.05

Approved
19/05/2026
ST

Banjara
19/05/26
AE

WV
25526
E-E

TOTAL

-11,609,500.00

Say Rs 11,54,911.80

1,15,49,118.00

BOQ Approved for Rs 1,15,49,118.00 (Rs one crore fifteen lakh forty nine thousand one hundred eighteen) only.

RVC
19/06/20

SE - 2 Patna.

Bill of Quantity For Civil works Estimate for Dog shelter Shed						
URBAN DEVELOPMENT AND HOUSING DEPARTMENT, GOVT OF BIHAR						
Sr. No.	SOR page no./sr.no.	Specifications of Item	Total quantity	Unit	Rate (in INR)	Amount
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				
			500.28	sqm		
			5.00	/100 sqm	1355.40	6780.83
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)				
		Pile	180.00	Rm	178.30	32094.00
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 disposal of surplus excavated soil as directed, within a lead of 50 m				
		2.8.1 All kinds of soil				
			10.56	M ³	360.70	3808.77
4	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete				
			40.52	M ³	287.30	11640.26
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,				
			405.16	M ²	283.30	114781.95
6	4.1.2	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)				
			24.79	M ³	4420.00	109591.63
						109574.57

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.				604508.26
			106.48	M ³	5677.20	604517.62
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 grde reinforcd cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.				66486.36
			12.56	M ³	5293.50	66459.89
9	5.11 5.22.7c	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, 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.				
		Thermo-Mechanically Treated bars. (Fe 500 D or more)				
			21850.41	Kg	90.80	1984017.00
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 :				
	5.9.5	Lintels, Beams, Plinth Beams, bressumers, girders & cantilevers				93052.67
			229.93	M ²	404.70	93051.46
	5.9.6	Columns, Pillars, Piers, Abutments, Posts, Struts	18.00			
			182.88			
			200.88	M ²	494.40	99315.07
	5.9.3	Suspended floors, roots, landings, balcnies and access platform.				
			431.04	M ²	437.50	188580.74
11	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth in :				

	6.1.12/1	Cement mortar 1 :4 (1 cement: 4 coarse sand)				111096	-31
			22.14	M ³	5017.90	411115.12	
12	4.11	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4(1cement:2:2 coarse sand :4 graded stone aggregate 20mm nominal size)	-		-		
			77.56	M ²	245.60	19049.35	
			-		-	-	
13	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth in :					
	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)				46945	8.26
			97.40	M ³	4819.90	469438.25	
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	-		-		
			239.63	Kg	161.10	38604.46	
			-		-	-	
15	13.11.4	Cement plaster in course sand 12 mm cement plaster of mix: 1:6(1 cement: 6 coarse sand)					
		inner wall					
			1068.42	M ²	141.50	151180.85	
			-		-	-	
16	13.12.4	Cement Plaster in coarse sand 15mm thick cement plaster of mix (1 : 6) Outer Wall		M ²			
			303.12	M ²	162.80	49348.16	
			-		-	-	
17	13.24	6 mm cement plaster to ceiling of mix :					
	13.24.2	1:4(1 cement: 4 coarse sand)					
			431.04	M ²	125.60	54138.84	
			-		-	-	
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)					
		vide item no - 15+16+18	1802.58	M ²	81.20	146369.42	
			-		-	-	
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.	40.00	each	82.70	3349.00	
			-		174.60	6984.00	

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.			93.50	1292.53
		vide item no - 14	15.48	M ²	39.70	614.56
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:	34.00	Each	235.50	8007.00
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	44.00	Each	57.10	2512.40
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 stopper	22.00	Each	34.00	748.00
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 .	17.00	Each	655.40	11141.80
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.	19.00	Each	979.50	18610.50
26	9.104	Providing and fixing aluminium tee channels (heavy duty) with rollers & top end in pelmets as curtain rod.	37.00	Each	139.70	5168.90
27	9.85	Providing and fixing bright finished brass casement window fastener with necessary screws etc.complete.	12.00	Each	71.30	855.60
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.				152116.41
			1.59	M ³	95670.70	152241.88
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 veneers on both faces of shutters 35 mm thick including stanless steel.				

		Flush Door :				10753	5.22
			37.79	M ²	2845.60	107539.35	
30	9.9.2.1	Providing and fixing of steel glazed doors, windows and ventilators of standard rolled 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 rewl plug and screws or with fixing clips or with bolts and nuts as required including providing and fixing or 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	-		-		
			11.32	M ²	2455.40	27788.99	
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 paint of approved brand & manufacture	-		-	27795	3
			61.68	M ²	83.50	5150.25	
32	13.40A	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	-		-	-	
		inner wall + ceiling	1499.46	M ²	127.90	191780.63	
33	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, FumeRed, 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.	-		-	-	
			17.46	M ²	686.80	11994.44	11991.53
34	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (Thickness to be specified by them manufacture) 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.	-		-		

			35.88	M ²	795.00	28526.17
35	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	-		-	-
						165223.82
			100.82	M ²	1638.80	165215.75
			-		-	
			total			5098746.95

5095667.13

G. S. S.
19/05/2024

Bansari
19/05/26
AE

BOQ For Civil works Estimate for Dog shelter Shed

Sr. No.	Specifications of Item	SOR page	Total quantity	Unit	Rate (in INR)	Amount
1 Earth Work						
1.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal	2.29.1				
	Total Surface Dressing		161.65	/100 sqm	1355.4	2,191.00
1.2	Earthwork in rough excavation, banking excavated earth in layer 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, floodbanks, marginal banks and guide banks or filling up ground depressions. lead upto 50 m and lift upto 1.5 m.	2.2.1				
1.2.1	All kinds of soil					
	Total Excavation		7.46	cu mt.	386.6	2,884.04
1.3	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	20.3A.1				
			36.00	mtr	178.3	6,418.80
1.4	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 upto 50 m and lift upto 1.5 m. All Kinds of soil	2.3.1				
	Total Pilling		48.49	cu mt.	224	10,861.76
				Total		22,355.60
2 Cement Concrete						
2.1	Supplying and Filling in plinth with local sand and under floors including watering, ramming	2.28				
			20.16	cum	287.3	5,791.97
2.2	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building	11.72				
			118.00	sqm	283.3	33,429.40
2.3	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level.	4.1.2				
	Cement concrete grade M-20 (Nominal Mix) with 20mm maximum size of stone aggregate flooring work					4,624.20
	Total PCC		10.46	cu mt.	4420	46,223.30
				Total		86,454.67
3 Reinforced Cement Concrete						
3.1	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.	5.33A.2.2				
	Total RCC in Footing column and beams		8.41	cu mt.	5677.2	47,745.25
3.2	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 grade reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	5.33A.2.1				
	Total RCC in Columns		1.60	cu mt.	5293.5	8,469.60
3.3	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. Thermo-Mechanically Treated bars. (Fe 500 D or more) for pile and beam Upto Plinth Level Assuming steel @ 90 kg per tn columns assuming steel to be @ 90 kg cubic meter.	5.22.1				
	Total Reinforcements in RCC		911.70	kg	90.8	82,782.36
3.4	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : Lintels, Beams, Plinth Beams, bressumers, girders & tie beam at pl	5.9.5				
	total area		53.63	sqmt	422.60	22,706.13
	Columns, Pillars, Piers, Abutments, Posts, Struts	5.9.6				
	total area		25.56	sqmt	494.40	12,636.84
				Total		126,003.30
4						
4.1	Brick work with bricks of class designation 100B in foundations and plinth, Cement mortar 1:6 (1 cement: 6 coarse sand)	6.1.14B				
	Total full Brickwork under Plinth		4.24	cu mt.	4540.3	19,250.87

BOQ For CONSTRUCTION OF BOUNDARY WALL

Sr.no	BCD SOR	Discription of work	Quantity	Unit	Rate	Amount
		No				
1	20.3A.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinarsoil (vide classification of soil item A) true to plumb andwithout 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 anddirection of E/I Details of cost for 4 piles of 4 m= 16 metre depth)				17824.65
			99.97	m	178.30	17825.44
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming			-	
			1.37	cum	287.30	393.81
3	11.73	Providing designation 100A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I			-	12905.79
			28.79	sqm	444.80	12807.75
4	5.1	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			-	
	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate				129490.85
			27.62	cum	4688.30	129512.72
5	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete			-	
	5.22.7c	Thermo-Mechanically Treated bars TMTC-500-12mm dia				
			2438.91	kg	90.80	221453.27
6	5.9	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete			-	
	5.9.1					42184.59
			199.36	sqm	211.60	42185.49
7		Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:6 (1 cement: 6 coarse sand)			-	
			18.80	cum	4819.90	90614.12
						90624.77
8	6.1A+ 6.3A	Brick work with bricks of class designation 100A in foundations and plinth in : extra for Brick work in super structure above plinth level upto floorV			-	
	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand)				320701.34
	+ 6.3A		56.64	cum	5662.10	320674.78
9	13.11	Cement plaster in course sand 12 mm cement plaster of mix:			-	
	13.11.4	1:6(1 cement: 6 coarse sand)				67963.96
			480.31	sqm	141.50	67964.19
10	13.79	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade			-	
	13.79.1	New work (three or more coats)				
		vide item no -08	480.31	sqm	81.20	39001.36

11	10.32	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.				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works.				
			621.00	kg	114.60	71166.60
12	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)				922.36
		vide item no -10	7.81	sqm	118.10	921.97
13	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				
			388.00	ft	272.50	32237.67
			118.26	m	272.57	32234.78
			-			

TOTAL

1046760.26
1046766.91

mpk
19/05/2026
jt

Banglany
19/05/26
AC

Bill of Quantity Drain

Sl. N.	S.O.R code	Work Description	model drain 1.5ft (Int.) x 1.5 ft(Int.) 100 ft length			
			Qty.(mks)	unit	Rate	Amount
1	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				
		Total	74.88	cum	Rs 360.70	Rs 27,010.01
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete				
		Total	6.61	cum	Rs 281.40	Rs 1,859.28
3	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)				
		Total	36.18	cum	Rs 4,688.30	Rs 169,634.78
4	5.9.1	Centring and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns etc. for mass concrete.				
		Total	61.93	sqm	Rs 211.60	Rs 13,105.09
5	5.9.2	Centring and shuttering including strutting,propping etc. and removal of form for Walls (any thickness) including attached pilasters. Butteresses, plinth and string courses etc.				
		Total	222.96	sqm	Rs 375.10	Rs 83,632.30
6	5.9.3	Centring and shuttering including strutting,propping etc. and removal of form for Suspended floors, roots, landings, balconies and access platform.				
		Total	55.74	sqm	Rs 437.50	Rs 24,386.25
7	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.				
		Total	2170.95	kg	Rs 92.60	Rs 201,030.40
Total cost for 400 ft in Rs.						520658.11

Rs . 520658.00

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Bill of Quantity ELECTRIFICATION WORK


Sr.N.	SOR	Item of Work	Quantity	Unit	Rate	Amount
1	1.1.3	Point wiring in PVC conduit, with plano 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 Group - c	20.00	each	1120.00	22400.00
2	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 sqm earth wire.	105.00	M	348.00	36540.00
3	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 sqm earth wire.	32.00	M	660.00	21120.00
4	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 6.0 sq.mm earth wire.	32.00	M	925.00	29600.00
5	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.	200.00	M	309.00	61800.00
6	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 secification and direction of E/I.	16.00	Each	64.00	1024.00
7	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 secification and direction of E/I.	44.00	Each	64.00	2816.00
8	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.	23.00	Each	80.00	1840.00
9	1.30	Supplying and fixing metal/ PVC box of 180 mm x 100 mm x 60 mm deep (mominal size) on surface or in recess with suitable size of phenolic iaminated sheet coven in frnt including providing and fixing 6 pin, 5/6 amps socket outlet and 15/16 amps plano type switch, connections painting etc. all required all complete as per snerification and direction of E/I	15.00	Each	424.00	6360.00

10	1.32	S/F power plug pint with piono 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/l.	2.00	Each	531.00	1062.00
11	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 direction of E/l.	37.00	Each	358.00	13246.00
12	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.	18.00	Each	135.00	2430.00
13	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.l. 4 way (4 + 12) double door, vertical type,	3.00	Each	7857.00	23571.00
14	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 plats interconnection phosphatized & power painted including earthing etc. as required (But without MCB RCCB / Isolator) all complete as per specification and direction of E/l 4 way (4 + 12) double	4.00	Each	4184.00	16736.00
15	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/l 50/63 amps TPN.	4.00	Each	2329.00	9316.00
16	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/l. 40 amps.	10.00	Each	429.00	4290.00
17	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 E/l. 32 amps 240 volt.	20.00	Each	316.00	6320.00
18	2.5.5	S/F Busbar chamber : Providing and fixing following capacity busbar chamber with 4 stricps of suitalbe 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/l. 400 amps	1.00	Each	19048.00	19048.00

19	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/L 200 amps	3.00	Each	10550.00	31650.00
20	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/L. 200 amps 36 KA	3.00	Each	16190.00	48570.00
21	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/L 40 amps 4 pole	1.00	Each	7135.00	7135.00
22	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/L 200 amps TP & N	3.00	Each	10246.00	30738.00
23	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 direction of E/L	1.00	Each	214.00	214.00
24	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/L.	34.00	sq. ft.	1809.00	61506.00
25	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/L. 16 amps double pole.	1.00	Each	978.00	978.00
26	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/L. 32 amps. double pole.	1.00	Each	1946.00	1946.00
27	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	32.00	M	1373.00	43936.00

28	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	42.00	M	1763.00	74046.00
29	3.1	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 E/I.	1.00	Each	5033.00	5033.00
30	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 coal and salt) all complete as per specification and direction of E/I.	1.00	Each	5578.00	5578.00
31	3.10	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 E/I.	2.00	Each	1628.00	3256.00
32	2.17.1	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 E/I 25 amms	1.00	Each	2131.00	2131.00
33	3.19	P/F 4 mm copper loop earthing wire in surface/ recess : Providing and fixing 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.	5.00	M	122.00	610.00
34	4.4	Joining copper / G.I. Type (with another copper / G.I. Tape. Base of the finial or any other metallic object) by reventing / nut bolting sweating and soldering etc. As required all complete as per specification and direction of E/I	16.00	M	81.00	1296.00
35	1911 Basic code elect.	Supplying G.I. pipe (32 mm dia) medium class G.I. Pipe for ranging lighting luminaire and ceiling fan etc. As required as per specification and direction of E/I. Rate with GST & CPOH	45.00	M	334.80 344.80	15066.00 15516.00
36	1.44	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 reqed all complete	34.00	Each	135.00	4590.00
37	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 of E/I	6.00	Each	296.00	1776.00
38	1.49	Numbering of fan/ fittings Numbering of ceiling fan/ exhaust / fan / fluorescent fittings as required as per specification and direction of E/I	40.00	Each	38.00	1520.00
39	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.	6.00	Each	2572.00	15432.00

40	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	10.00	Each	2482.00	24820.00
41	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	9.00	Each	2482.00	22338.00
42	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	7.00	Each	267.00	1869.00
43	6.4.1	S/F following way rewirable type D.B. : Providing and fixing following way single 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 interconnection and earthing the body etc. as required as per specification and direction of E/I 2 way	13.00	Each	344.00	4472.00
44	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 insulated copper conductor etc. as required.	39.00	Each	492.00	19188.00
45	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 illuminations suitable 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.	8.00	Each	2663.00	21304.00
46	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	15.00	Each	267.00	4005.00
47	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	20.00	Each	267.00	5340.00
48	as per Gem Portal	Air Conditioner of capacity 1.3 to 1.7 TON	3.00	each	64990.00	194970.00
49	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 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 E/I	4.00	Each	3382.00	13528.00
					Total Rs	948810


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Rs 948360.00

Bill of Quantity for SEPTIK TANK

S.N.	SOR Code	Items of Work	Quantity	Unit	Rate	Amount
1	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	11.42	cum	360.70	4119.00
2	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete	0.86	cum	287.30 281.40	247.00 242.00
3	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,	5.70	cum	283.30 285.20	1615.00 1626.00
4	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)	0.86	cum	3998.10 3953.40	3438.00 3400.00
5	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)	3.49	cum	5017.90 5048.2	17512.00 17618.00
6	13.17.1	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of near cement	16.3	sqm	195.10 203.60	3180.00 3319.00
7	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	10	Each	362.70 339.20	3627.00 3392.00
8	5.9.1	Centring and shuttering including strutting,propping etc. and removal of form for Foundations, footings, bases of columns etc for mass concrete	4.53	sqm	211.60 203.00	959.00 920.00
9	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)	0.783	cum	4688.30 4630.90	3671.00 3626.00
10	5.22.7B	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Mild steel 5.5 mm dia.	70.47	kg	92.60 69.20	6526.00 4877.00
TOTAL						43000.00

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BOQ For WATER SUPPLY WORK


Sr.N.	SOR	Item of Work	Quantity	Unit	Rate	Amount
1	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.	2.00 -	Each	4251.10 4470.90	8502.00 8942.00
2	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 direction of E/I.	1.00 -	Each	8666.30 8765.60	8666.00 8766.00
3	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.	1.00 -	Each	5561.80 5733.30	5562.00 5733.00
4	17.6.1	Providing and fixing one piece constrution white vitreous china squatting plate with an integral longitudinal fiushing 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 direction of E/I.	2.00 -	Each	4998.50 5167.30	9997.00 10335.00
5	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 direction of E/I.	6.00 -	Each	2298.00 2530.30	13788.00 15182.00
6	17.22	Providing and fixing G.I. Intel connection for flush pipe connecting with W.C. Pan etc. All complete as per snecification and direction of E/I.	3.00 -	Each	116.10 131.60	348.00 395.00

7	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.	3.00	Each	713.30 639.40	1918.00 2140.00
8	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 E/I.	3.00	Each	918.50 855.40	2756.00 2566.00
9	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.	3.00	Each	1515.20 1510.40	4558.00 4546.00
10	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.	3.00	Each	101.70 98.40	295.00 305.00
11	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	7.00	M	329.60 312.20	2192.00 2307.00
12	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 E/I.	3.00	Each	109.70 118.50	356.00 329.00
13	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 E/I.	6.00	Each	146.30 158.60	952.00 878.00
14	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 of E/I.	6.00	Each	228.20 204.70	1369.00 1228.00
15	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.	3.00	M	424.00 439.00	1317.00 1272.00
16	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.	10.00	M	92.80 119.80	1198.00 928.00

17	12.78.1	Providing and fixing on wall face unplasticised PVC (working pressure 4 kg per sqcm) rain water pipes conforming 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 E/L.	40.00	M	162.70 158.60	6344.00 6508.00
18	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 E/L.	17.00	Each	120.0 117.80	2003.00 2040.00
19	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 E/L.	7.00	Each	367.20 374.60	2570.00 2622.00
20	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/L.	6.00	Each	191.20 193.40	1160.00 1147.00
21	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/L.	7.00	Each	190.70 188.60	1335.00 1320.00
22	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/L.	30.00	Each	132.00 129.80	3960.00 3894.00
23	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/L.	14.00	Each	115.95 113.78	1593.00 1623.00
24	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 setting 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 E/L.	25.00	Each	182.72 174.06	4352.00 4568.00

25	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/l. External work 25 mm dia nominal bore.	58.00	M	302.20 342.00	17586.00 19836.00
26	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/l. External work 32 mm dia nominal bore.	17.00	M	363.20 381.70	6174.00 6489.00
27	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 stabillty 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 goo the wall etc. 1216 (16mm OD) pipe.	30.00	M	299.10 350.80	8972.00 10524.00
28	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/l. 25 to 40 mm nominal bore	17.00	Each	402.30 446.70	6839.00 7594.00
29	18.21.2.1	Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm lenght 15 mm nominal bore 20 mm nominal bore etc. All complete as per building specification and direction E/l	12.00	Each	83.00 85.20	996.00 1022.00
30	18.50.1	Providing and fixing C.P. Brass long nose bib cock of approved quality conforming to IS standars and weighing not less than 810 gms. 15 mm nominal bore etc. All complete as per building specification and direction of E/l	10.00	Each	618.80 715.10	6188.00 7151.00
31	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/l.	12.00	Each	606.30 594.80	7276.00 7138.00
32	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/l	10.00	Each	210.00 194.20	2100.00 1942.00
33	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 direction of E/l	10.00	Each	45.20 51.30	452.00 513.00
34	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 comoplete job as per technical specifications and direction of E/l	6.00	Each	397.40 386.40	2318.00 2384.00


35	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/L	3000.00	Litre	8.80 9.70	26400.00 29100.00
36	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/L	60.00	m	17.40 18.40	1044.00 1104.00
37	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/L	16.00	M	20.50 21.60	328.00 346.00
38	12.15.6	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 direction of E/L	35.00	Pair	155.20 154.50	5432.00 5400.00
39	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/L.	100.00	M	139.70 7	13970.00 13940.00
40	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/L	10.00	sqm	856.70 819.20	8567.00 8192.00
41	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/L. (Rate with GST & C.P.O.N)	10.00	M	364.00 355.00	3640.00 3550.00
42	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 specification and direction of E/L	1.00	Each	5231.50 4476.70	4477.00 5232.00
					Total Rs	209299.00


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Rs 2,21,591.00

BOQ For Construction and boring with 1 H.P submersible							
Sr. No	BCD SOR	Discription of work	No	Qty	Unit	Rate	Amount
1	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					
	24.1.1.1	300 mm dia	1	60	M	486.8	29208
2	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 denth as per direction of Engineer -in-charge					
	24.3.1	100 mm nominal size dia	1	30	M	546.1	16383
	24.3.2	150 mm nominal size dia	1	30	M	660.1	19803
3	24.4.1	Supplying, assembling, lowering and fixing in vertical position in borewell unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc.all complete, for all depths. as per direction of Engineer-in-charge					
		100 mm nominal size dia	1	60	M	573.1	34386
4	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.	1	6.08	M	1343.20	8166.656
5	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 fo rinlet, outle tand overflow pipes but without fittings and the base support for tank	1	1000	liter	9.70	9700
6	24.12	Development of tubewell in accordance with IS:2800(part I) and IS:11189, to establish maximum rate of us able water yield with out sand content (beyond permissible limit), with required capacity air compressor, running he compressor for required time till well is fully developed ,measuring yield of well by "V" not chmethodor any other approved method,measuring static level & drawd own 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	1	5	hour	916.8	4584
7	24.13	Providing and fixing suitable size threaded mild steel capor spot welded plate to the to pof bore well housing/casing pipe, removable as per requirement, all complete for borewell of	1	1	each	210.7	210.7
	24.13.2	150 mm dia					
8	24.14	Providingand fixing M.S. clampof requireddia to the topof casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete	1	1	each	1531.4	1531.4
	24.14.2	150 mm clamp					
9	24.15	Providing and fixing Bail plug/Bottom plug of required dia to the bottom of nine assembly of tubewell as per IS:2800 (part I)	1	1	each	228.3	228.3
	24.15.1	100 mm dia					
10	PHED	Establishment of 1.0 HP submersible pump set with all fittings (rate analysis attached)	1	1	Set	15485	15485
11	18.8	Providingand fixingChlorinatedPolyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, includingall CPVC plain & brass threaded fittings, including fixingthe pipe with clampsat1.00mspacing.This includes jointing of pipes & fittings with onestep CPVC solvent cementand testingof joints completeas per direction of Engineer in Charge.	1	20	M	538.4	10768
	18.7.5	40 mm nominal outer dia Pipes	1	20	M	278.2	5564
	18.8.1	15 mm nominal outer dia Pipes	1	20	M	463.1	9262
	18.8.3	25 mm nominal outer dia Pipes					
12	18.17.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 32 mm nominal bore	1	1	nos	589.9	589.9
					TOTAL		165869.96


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Details of Sub-Estimate - B (1)

Bill of Quantity For CONSTRUCTION OF SOAKPIT (1.5m*1.5m*2.0m)

Sr.no	BCD SOR	Discription of work	Quantity	Unit	Rate	Amount
		No				
1	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				
			3.53	cum	360.70	1274.17
2	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 a lift, all complete as per approved design and direction of E/I Details of cost for 4 piles of 4m=16mtrs				
			3.00	rm	178.3	534.90
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
			1.05	cum	287.3	301.65
4	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				
			0.98	sqm	283.30	277.99
5	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: 2 coarse sand:4 graded stone aggregate 20mm nominal size)				279.87
			0.07	cum	3998.10	294.24
6	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth in :				
	6.1.12/1	Cement mortar 1.:4 (1 cement: 4 coarse sand)				6874.52
			1.37	cum	5017.90	6893.34
7	362	Providing Brick bat filling and direction of E/I.				
			1.18	cum	1075.00	1265.81
8	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				
			0.26	cum	4688.30	1242.11
9	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-				
			22.52	Kg	92.60	2085.32
10	5.9.1	Centring and shuttering including strutting, propping etc. and removal of form				
			0.71	sqm	211.60	149.50
				Total A		14319.02

14162.29

DETAILED ESTIMATE FOR CONSTRUCTION OF Silt Chamber (0.85m*0.85m*1m)

Sr.no	BCD SOR	Discription of work	Quantity	Unit	Rate	Amount
		No				
1	2.8	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.				
		1	0.72	cum	360.70	260.61
2	2.28	Supplying and Filling in plinth with local sand and under floors including,watering, ramming consolidating and dressing complete			-	-
		1	0.05	cum	287.30	15.57

3	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				
		1	0.72	sqm	283.30	204.68
4	4.1.3	Providing and laying in position cement concrete of specified grade excludg the cost of centring and shuttering-all work upto plinth level. 1:2:4(1Cement: 2coarsesand: 4graded stone aggregate20mm nominal size)				
		1	0.05	cum	3998.10	199.9 216.65
5	6.1A	Brick work with bricks of class designation 100A in foundation sand plinth :				
	6.1.12/1	Cement mortar 1.:4 (1 cement: 4 coarse sand)				
			0.36	cum	5017.90	1886. 1818.99
6	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				
			2.76	sqm	193.40	533.78
7	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)				
		1	0.11	cum	4688.30	515. 508.09
8	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-				
			8.67	kg	92.60	802.84
9	5.9.1	Centring and shuttering including strutting ,propping etc. and removal of form for. Foundations, footings, bases of columns etc. for mass concrete.				
		1	0.51	sqm	211.60	107.92
		Total B			Total	4469.13 4447.4
		Add (A+B)			18609.74	18788.15
					SAY	18788.15

Rs 18609.74 .

G. S. S. S.
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