

# BILL OF QUANTITY

कार्य का नाम .- बेलसंड प्रखंड अंतर्गत (1) लोहासी आँगनबाड़ी केंद्र संख्या 35,(2) पताही आँगनबाड़ी केंद्र संख्या-01, (3) भटौलिया आँगनबाड़ी केंद्र संख्या-40, (4) भटौलिया आँगनबाड़ी केंद्र संख्या-41, (5) पताही आँगनबाड़ी केंद्र संख्या-42, (6) भोरहाँ आँगनबाड़ी केंद्र संख्या-135, (7) भोरहाँ आँगनबाड़ी केंद्र संख्या-136, (8) दरियापुर आँगनबाड़ी केंद्र संख्या-123, (9) जाफरपुर आँगनबाड़ी केंद्र संख्या-123, (10) रूपौली आँगनबाड़ी केंद्र संख्या-99 कुल 10 अदद आँगनबाड़ी केंद्र भवन का निर्माण कार्य।

Amount Of B.O.Q.	₹ 1,19,80,382.00					
Earnest Money	₹ 2,40,000.00					
Cost Of B.O.Q.	₹ 10,00,000.00					
Time Of Completion						
Total no of item						
1	BCD S.O.R	Description	Quantity	Units	Rate	Amount
2	2.8.1	Providing 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.	361.70	cum	360.70	130465.00
3	2.28	Providing Supplying and Filling in plinth with local sand and under floors including, watering, ramming	203.40	cum	287.30	58437.00
4	11.72	Providing Designation 100A one brick flat soiling joints filled with local sand including cost of watering, taxes, royalty all complete as per	1008.90	sqm	283.30	285821.00
5	4.1.3	Providing and laying in position cement concrete specified grade of cement concrete excluding the cost of centring,shuttering,finishing -All work upto plinth level 1:2:4 (1 cement:2	51.70	cum	3998.10	206702.00
6	5.1.2	Providing and laying in position of specified grade of reinforced cement concrete excludng the cost of centring and shuttering-all work upto plinth	103.30	cum	4688.30	484301.00
7	5.2.2	Providing Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level	35.90	cum	5670.00	203553.00
8	6.1.14A	Providing Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1	41.40	cum	4819.90	199544.00
9	6.1.14A +6.3A	Brick work with bricks of class designation 100A in :Cement mortar 1:6 (1 cement: 6 coarse sand ) Extra	135.50	cum	5181.38	702077.00
10	6.18.4A+6.19A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:4 (1 cement:	659.60	cum	689	454464.00

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11	5.3	Providing Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centring, shuttering,	122.10	cum	5335.90	651513.00
12		Providing Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding				
I	5.22.7A	Thermo-Mechanically Treated bars	8320.00	kg	94.50 ✓	786240.00
II	5.22.7B	Thermo-Mechanically Treated bars	8410.00	kg	92.60 ✓	778766.00
III	5.22.7C	Thermo-Mechanically Treated bars	4550.00	kg	90.80 ✓	413140.00
IV	5.22.7D	Thermo-Mechanically Treated bars	620.00	kg	91.70 ✓	56854.00
13	10.5.2	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners. all necessary fittings	172.90	sqm	3467.90	599600.00
14	9.48.1	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	869.52	kg	144.50	125645.00
15	13.11.4	Providing Cement plaster in course sand of 12 mm thick with cement plaster of mix 1:6 (1 cement: 6 coarse	2011.20	sqm	141.50	284585.00
16	13.12.4	15 mm cement plaster on rough side of single or half brick wall of mix 1:6 (1	1766.40	sqm	162.8	287570.00
17	13.24.2	Providing 6 mm cement plaster to ceiling of mix 1:4 (1 cement: 4 coarse	858.30	sqm	125.60	107802.00
18	13.11.2 + 13.26	12 mm cement plaster of mix: Neat cement punning 1:4 (1 cement : 4 coarse	396.50	sqm	193.4	76683.00
19	11.3.1	Cement concrete flooring 1:2:4 (1 cement: 2 coarse: sand: 4 graded stone aggregate) finished with a floating coat of neat cement including	604.30	sqm	289.1	174703.00
20	13.79.1	Providing Finishing walls with water proofing cement paint of approved brand and manufacture and of required	4635.90	sqm	81.20	376435.00
21	13.81.3 + 13.82.1	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works Painting with ready	493.40	sqm	118.1	58271.00
22	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia. M.S. bar bent to shape with hooked ends in R.C.C. slabs	50.00	each	174.60	8730.00
23	5.9.1	Providing Centring and shuttering including strutting, propping etc. and removal of form for Foundations,	642.90	sqm	211.60	136038.00
24	5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs,	723.90	sqm	437.5	316706.00
25	5.9.5	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth bams,	254.80	sqm	404.7	103118.00
26	5.9.6	Centring and shuttering including strutting, propping etc. and removal of	283.90	sqm	494.4	140360.00
27	5.9.16.1	Centring and shuttering including strutting, propping etc. and removal of	417.70	sqm	130.2	54385.00
28	5.9.19	Centring and shuttering including strutting, propping etc. and removal of form for Weather shade, Chajjas, arches etc. including edges	80.60	sqm	550.9	44403.00

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						8306911.00
		Add 5.36% GST (Multiplying Factor 1.0536)			A	8752161.43
		HAND PUMP				
		Part 'A' Cost of Materials				
29	PHED	India mark II hand pump with 8 Nos. Connection Rod and one cylinder confirming IS:15500(Part 1-8)/2008	10.00	Each	9192.00	91920.00
30	PHED	125mm dia U.P.V.C. casing pipe confirming to IS:12818-1983/1992	200.00	M	427.00	85400.00
31	PHED	32 mm dia G.I. pipe medium quality (3mtr each length) confirming IS:1239(Part 1-4)	170.00	M	232.00	39440.00
32	PHED	40mm dia best quality UPVC pipe confirming to IS:12818-1983/1992	230.00	Each	80.00	18400.00
33	PHED	40mm dia X 2 mtr long UPVC RIBBED Strainer confirming to IS:12818-1983/1992	20.00	Each	246.00	4920.00
34	PHED	125 mm X 40 mm UPVC reducing socket (Heavy quality).	10.00	Each	272.10	2721.00
35	PHED	Supplying all labour and material and fitting and fixing G.I. cap over the new skunked T/well	10.00	Each	142.65	1427.00
36	Part B - labour Cost (Classification of soil item 'B')					
37	PHED	Boring by jet dheki by suitable cutter or reduce as the case may be lowering 125 mm U.P.V.C. X 40mm dia UPVC pipe & strainer of standard quality iron shoe, plug & shocked etc. all complete including providing all tools and plants required for				
		(a) For 125 mm dia U.P.V.C. pipe	200.00	M	324.00	64800.00
		(b) For 40 mm dia UPVC Pipe	35.00	M	193.40	6769.00
		(a) For 40 mm dia UPVC Pipe	200.00	M	222.41	44482.00
38	PHED	(a) Supplying all tools for lowering 32mm dia G.I. Pipe	240.00	M	20.12	4829.00
		(b) Fixing Cylinder	10.00	Each	218.50	2185.00
		(c) Fixing I.M. II pump.	10.00	Each	156.70	1567.00
39	PHED	Providing labour for fitting and fixing deep well cylinder with necessary connecting rod and drilling flanges including supplying jointing materials, all tools and plants etc, required for the job for low water level all	10.00	Each	122.00	1220.00
40	PHED	Supplying labour and developing the T/Well to have sand free discharge all complete as per direction of E/I	10.00	Each	601.80	6018.00
41	PHED	Transportation of materials & tools from Store to work site and carrying back the surplus materials if any.	10.00	Each	290.63	2906.00
					B	
		ELECTRIFICATION WORK				
42		Supplying & fixing following size ISI marked PVC conduit with accessories in recess including cutting of wall and				
I	1.21.1	(a) 20 mm dia	150.00	m	102.00	15300.00
II	1.21.2	(b) 25 mm dia	150.00	m	120.00	18000.00

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43	1.1	Wiring for light point/fan/exhaust fan/call bell point with 1.5 sq.mm pvc insulated copper cond.single core cable in surface/ recessed pvc conduit with				
	1.1.2	Group-B	30.00	p/pt	922.00	27660.00
44	1.30	S/F suitable size G.I.PVC box on surface or in recess with phenolic laminated sheet cover in front in	30.00	Each	424.00	12720.00
45	1.23.1	S/F/F 5/6 amps one way switch piano type on the existing switch box/cover	20.00	Each	37.00	740.00
46	1.23.4	S/F/F 6 amps. 3 pin socket outlet on the existingswitch box/cover including	30.00	Each	55.00	1650.00
47	1.23.5	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections	30.00	Each	119.00	3570.00
48	1.7	Wiring for circuit/submain wiring along with earth wire with PVC insulated copper cond.single core cable in				
i	1.7.1	2x 1.5 sq.mm + 1 x 1.5 sq.mm	280.00	p/mtr.	201.00	56280.00
ii	1.7.2	2x 2.5 sq.mm + 1x 2.5 sq.mm	80.00	p/mtr.	246.00	19680.00
iii	1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm	80.00	p/mtr.	422.00	33760.00
iv	1.34	S/F batten angle holder including connec	60.00	Each	80.00	4800.00
49	6.1.5	Supplying and fixing of following types lamp in the existing electrical fitting/	30.00	Each	239.00	7170.00
50	2.8.4	Supplying and fixing following way single pole & neutral, sheet steel, MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din	10.00	Each	1972.00	19720.00
51	2.12.1	Supplying and fixing of following rating 240 / 415 volts "C" curve MCB suitable for inductive and other loads of following poles in the existing MCB DB				0.00
	2.12.1	6 / 32 Amps, Single Pole	20.00	Each	237.00	4740.00
52	2.13.1	6 / 32 Amps, Double Pole	10.00	Each	667.00	6670.00
53	8.18.1	Supplying and fixing 1200 mm sweep ceiling fan model- HAVELS make with regulator / approved equivalent	20.00	Each	1861.00	37220.00
					C	
<b>SANITARY INSTALLATION</b>						
54	17.1.1	Providing and fixing white vitreous china squatting pan(indian w.c.)	20.0	each	4470.90	89418.00
55		Providing and fixing U-PVC vent pipes				
	7189	110 mm dia	30.0	M	130.00	3900.00
56		Providing and fixing U-PVC pipes single				
	7189	110 mm dia	150.0	M	130.00	19500.00
57		Providing U-PVC fitting				
	7199	U-PVC single equal tee(with	30.0	each	92.00	2760.00
	7195	UPVC pushfit coupler(single)110 mm	30.0	each	32.00	960.00
	7209	UPVC bend110 mm	100.0	each	59.00	5900.00
	7191	UPVC pipes rubber 110mm	100.0	each	11.00	1100.00
	7213	UPVC plain shoe 110 mm	50.0	each	47.00	2350.00
	7215	UPVC pipe clip 110 mm	150.0	each	14.00	2100.00
58	7354	M.S. foot rest	20.0	each	110.00	2200.00
59	17.9.1	p/v kitchen sink s/s	10.0	each	2778.00	27780.00

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60	17.28	waste pipe	10.0	each	91.00	910.00
		CPVC Pipe with Fitting ALL complete.			✓	
	18.9.3	25 MM	150.0	M	294.70✓	44205.00
	18.9.2	20 MM(	150.0	M	205.30✓	30795.00
	18.8.1	15 MM	100.0	M	278.20✓	27820.00
62		G.I Fitting				
	1641	union 15 mm	20.0	Each	35.00✓	700.00
	1642	union 20 mm	20.0	each	55.00✓	1100.00
	1643	union 25 mm	10.0	each	115.00✓	1150.00
	8791	reducer (22.22mmx15.88mm)	10.0	each	108.50✓	1085.00
	8793	reducer (28.58mmx22.22mm)	10.0	each	161.50✓	1615.00
	8812	elbow (15.88mm)	10.0	each	65.00✓	650.00
	8813	elbow(22.22mm)	50.0	each	70.00✓	3500.00
	8814	elbow(28.58)	30.0	each	105.00✓	3150.00
	8824	tee(15.88mm)	10.0	Each	175.00✓	1750.00
	8825	tee(22.22mm)	20.0	Each	250.00✓	5000.00
	8826	tee(28.58mm)	20.0	Each	295.00✓	5900.00
63	18.48	water storage tank	10000.0	lit.	9.70 ✓	97000.00
64	18.54	p/v PTMT Bib Cock with Fitting	50.0	Each	170.00✓	8500.00
65	18.16	Stop Cock	20.0	Each	303.80✓	6076.00
66	18.17.1	gun metal valve (25mm)	10.0	Each	532.30✓	5323.00
						404197.00
		Add 5.36% GST (Multiplying Factor			D	22530.00
67		Add Carriage of Materials				
	(i)	Local sand	218.53	m3	316.30	69122.00
	(ii)	Bricks	157220.00	Tho.	1214.80	190991.00
	(iii)	Stone Chips	289.65	m3	2294.24	664522.00
	(iv)	coarse sand	288.13	m3	3028.28	872525.00
68		Extra cost of material				
	(i)	Cement	170.30	MT	238.15	40558.00
	(ii)	Bricks	157220.00	per th	369.27	58057.00
69		P/v and Fixing Informatry	10.00	nos.	4508.00	45080.00
						1940855.00
		Add 5.36% GST (Multiplying Factor 1.0536)			E	2044885.00
70		Add Seigniorage fee.....				
	i	Stone chips 20mm	193.07	cum	59.54	11495.00
	ii	Stone chips 10mm	96.48	cum	65.79	6348.00
	iii	Coarse sand	288.13	cum	25.08	7226.00
	iv	Bricks	157220.00	%0 no.	512.80	80622.00
	v	Local sand	218.53	cum	14.19	3101.00
					F	108792.00
		Total cost		A+B+C+D+E+F		11980382.00

CERTIFIED COPY

Helio  
25/07/20  
J.R.

25/07/20

कार्यपालिक अभियंता  
स्था.क्षेत्र अभि. संगठन  
कार्य प्रमंडल-1, सीतामढ़ी

BoB approved from serial (i) to (40) for ₹ 1,19,80,382 (Rupee One crore nineteen lakh eighty thousand three hundred eighty two) Only.

सहायक अभियंता  
स्था. क्षेत्र अभि. संगठन  
तिरुत प्रमंडल, मुजफ्फरपुर

अधीक्षण अभियंता  
योजना एवं विकास विभाग  
स्थानीय क्षेत्र अभियंत्रण र.  
तिरुत प्रमंडल, मुजफ्फरपुर

1.10.17