

NAGAR PANCHAYAT REVELGANJ

BILL OF QUANTITY

Name Of Work :-Construction Of Public Toilet (6+1) In Meat Market Ward No-10 At Nagar Panchayat Rivilganj, Saran

Sr. No.	Item of Work	Unit	Qty.	Rate	Amount
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	cum	81.32	13.55	1101.89
2	Making 25 cm (10") dia bore up to 3 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 Do all complete	cum	36.59	178.30	6524.00
3	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	21.92	360.70	7906.54
4	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	6.01	287.30	1726.67
5	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	Sqm	40.88	283.30	11581.30
6	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level. 1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3.65	3998.10	14593.07
7	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)	sum	4.99	4688.30	23394.62
8	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 excluding cost of centring, shuttering, finishin and reinforcement. 1:1.5:3(1 cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	1.87	5670.00	10602.90
9	Reinforced cement concrete work in beams,suspended floors, roofs having slope upto 15, landings,balconic, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	cum	6.51	5335.90	34736.71
10	Centring and shuttering including strutting,propping etc. and removal of form for				
a	Suspended floors, roots, landings, balconies and access platform.	sqm	42.99	437.50	18808.13
b	Lintels, beams, plinth bams, griders, bressumers and contilever	sqm	29.15	404.70	11797.01
c	Columns,Pillars, Piers, Abutments, Posts and Struts	Sqm	29.65	494.40	14658.96

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11	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
a	Mild steel 6.00 mm dia	kg	23.13	96.70	2236.67
b	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	346.90	94.50	32782.20
c	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	185.02	92.60	17132.85
d	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	370.04	90.80	33599.63
12	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:6 (1 cement: 6 coarse sand)	cum	11.46	4819.90	55236.05
13	Brick work with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:6 (1 cement: 6 coarse sand) + Extra for Brick work in superstructure above plinth level upto floor V cum	cum	14.89	5662.10	84308.67
14	Cement plaster in course sand 1:6(1 cement: 6 coarse sand)	Sqm	156.62	141.50	22161.73
15	12 mm cement plaster 1:4(1 cement: 4coarse sand) finished with a floating coat of neat cement Details of cost for 10 sqm	Sqm	64.92	192.20	12477.62
16	6 mm cement plaster to ceiling of mix : 1:4(1 cement: 4 coarse sand)	Sqm	29.71	125.60	3731.58
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	120.94	81.10	9808.23
18	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including priming coat with cement primer	Sqm	120.94	102.30	12372.16
19	Applying one coat of cement primer of approved brand and manufacture on wall surface: Cement primer	Sqm	8.49	38.60	327.71
20	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 coats)	Sqm	8.49	81.20	689.39
21	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the 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 12 mm thick bed of cement Motar 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.	Sqm	65.39	795.00	51985.05
22	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	Sqm	23.61	686.80	16215.35
23	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion				
a	75 mm diameter	mtr	28.05	162.70	4563.74
b	110 mm diameter	rm	36.59	257.50	9421.93
24	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.				
a	Coupler				

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i	75 mm	nos	10	79.80	798.00
ii	110 mm	nos	10	120.00	1200.00
b	Single tee without door				
i	75x75x75mm	nos	5	124.20	621.00
ii	110x110x110 mm	nos	8	190.70	1525.60
c	Band 87.50				
i	75 mm bend	nos	12	91.80	1101.60
ii	110 mm bend	nos	15	132.00	1980.00
d	Shoe plain				
i	75 mm shoe	nos	5	81.10	405.50
ii	110m Shoe	nos	8	115.95	927.60
25	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete				
a	75 mm	nos	12	184.10	2209.20
b	110 mm	nos	15	182.72	2740.80
26	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs..... Do all complete. Local wood	cum	0.12	54628.90	6555.47
27	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including stainless steel butt hinges with necessary screws	Sqm	6.19	2845.60	17614.26
28	Providing and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut..... do all complete.	Sqm	1.39	6690.70	9300.07
29	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm	nos	10	154.40	1544.00
30	Providing and fixing ISI marked oxidised M.S. handles conforming to IS :4992 with necessary screws etc. complete:				
a	125 mm	nos	6	32.40	194.40
b	75 mm	nos	6	21.50	129.00
31	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 100x63x4 mm	nos	27	86.60	2338.20
32	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with necessary screws etc. complete: 150x10 mm	nos	12	71.60	859.20

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33	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 125 mm	nos	18	57.10	1027.80
34	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg	12.00	546.80	6561.60
35	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 fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	nos	4	4470.90	17883.60
36	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape , size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all as per direction of Engineer in charge.	nos	3	14663.50	43990.50
37	White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps	nos	5	3085.70	15428.50
38	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	nos	7	299.40	2095.80
39	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.: 40 mm dia	nos	5	104.40	522.00
40	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	nos	5	1068.50	5342.50
41	Providing and fixing 600x120x5 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., complete.	nos	5	713.30	3566.50
42	Providing and fixing toilet paper holder : C.P brass	nos	3	550.70	1652.10
43	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.	nos	5	146.30	731.50
44	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour,weighing not less than 88 gms	nos	5	204.70	1023.50

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45	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m 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.				
a	15 mm nominal outer dia Pipes	mtr	27.44	278.20	7633.81
b	25 mm nominal outer dia Pipes	mtr	18.29	463.10	8470.10
46	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete				
a	15 mm nominal bore	nos	6	348.90	2093.40
b	25 mm nominal bore	nos	6	399.20	2395.20
47	Providing and fixing unplasticised PVC connection pipe with brass ions : 15 mm nominal bore	nos	10	74.80	748.00
48	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (a) 0-90 m	mtr	75	486.80	36510.00
49	Providing and fixing Bail plug/ Bottom plug of 150 mm dia to the bottom of pipe assembly of tubewell as per IS:2800	nos	1	281.80	281.80
50	Providing and fixing Bail plug/ Bottom plug of 150 mm dia to the bottom of pipe assembly of tubewell as per IS:2800	nos	1	210.70	210.70
51	Providing and fixing M.S. clamp of 150 mm dia to the top of casing/ housing pipe of tubewell	nos	1	1531.40	1531.40
52	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-incharge.	mtr	6	354.90	2129.40
53	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water.	hrs	1	916.80	916.80
54	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe (A) 150 MM DIA	mtr	50	660.10	33005.00
55	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe (B) 50 MM DIA	mtr	25	236.70	5917.50
56	GI pipes 40 mm dia TATA MADE	mtr	22	290.00	6380.00
57	2 H.P Submersible pump of ISI mark with starter pannel cable with fitting & fixing all required equipment.	Ls	1	20000.00	20000.00
58	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.	Ltr	1000.00	9.70	9700.00
59	Providing and fixing C.P. brass bib cock of approved quality conforming to IS	nos	6	434.20	2605.20
60	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS	nos	6	434.20	2605.20
61	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15 mm nominal bore	nos	5	500.40	2502.00
62	Providing and fixing PTMT grating of approved quality and colour 125 mm nominal dia with 25 mm waste hole	nos	16.00	45.20	723.20
63	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	nos	10.00	198.50	1985.00

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64	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	78.75	386.10	30405.38
65	Supply of 4 mm thick ACP	Sqm	8.79	1100.00	9669.00
66	Supply of brick bat in soak pit	cum	1.11	987.00	1095.57
				Total (A)=	867865.82
67	Carriage Cost Of Material				
a	Local Sand	cum	7.14	310.50	2216.90
b	Bricks	Nos	15100	1193.00	18014.06
c	Coarse Sand	cum	20.32	938.90	19082.72
d	Stone Chips	cum	15.02	2287.10	34346.41
				Total (B)=	73660.09
68	Basic Cost Of Material				
a	Local Sand	cum	7.14	141.85	1012.78
b	Bricks	Nos	15100	3345.00	50508.83
c	Coarse Sand	cum	20.32	250.80	5097.40
d	Stone Chips	cum	15.02	595.36	8940.79
				Total=	65559.80
	S.Fee (10% of Basic cost of materials) total ©				6555.98
	Brick Stair & Ramp				
69	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	0.66	360.70	239.39
70	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	0.46	287.30	132.75
71	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	Sqm	3.488372	283.3	988.26
72	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level. 1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.283126	3998.10	1131.96
73	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand)	cum	1.32	5017.90	6623.01
74	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand) with Neat cement punning.	Sqm	3.111059	193.40	601.68

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	Total (D)	9717.04
	Total (A+B+C+D)	957798.93
	Add 5.357% of Total cost for Additional GST	51309.29
	Total Amount	1009108.22
	Internal Electrification Works (4.0%)	40364.33
	Grand Total Amount	1049472.55

Say= 1049473.00

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30/12/25
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BOQ is approved for Rs. 10,49,473/- [Ten lakhs forty-nine thousand four hundred & seventy-three rupees only].

02/01/26

Assistant Engineer (Civil)
Nagar Vikas Pramandal-02
Saran, Chapra

02/01/26

Executive Engineer
Nagar Vikas Pramandal-02
Saran, Chapra