

BILL OF QUANTITY

योजना का नाम:-	कटिहार जिला के समेली प्रखंड अन्तर्गत छेहार पंचायत के बाँध टोला मुसहरी खाता नं०- 696, खेसरा- 90 में सामदायिक भवन-सह-वर्क शेड का निर्माण कार्य।					
प्राक्कलित राशि:-	2893900.00	Sold to sri				
परिमाण विपन्न की राशि:-	2893899.00	Address				
अग्रधन की राशि:-	57878.00					
निविदा की तिथि:-		Reg. No. & Date				
कार्य समाप्ति की तिथि:-						
SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
1	2.29	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				
	2.29.1	All kinds of soil.	100sqm	6.25	1355.40	8471.00
2	2.8	Earth work in excavation in foundtion trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.				
	2.8.1	All kinds of soil	Cum	92.06	360.70	33206.00
3	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead.	Cum	76.07	123.90	9425.00
4	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	72.50	287.30	20830.00
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				
(i)	4.1.3	1:2:4(1 Cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size)	cum	1.11	3998.20	4419.00
(ii)	4.1.8	1:4:8(1 Cement: 4 coarse sand:8 graded stone aggregate 40 mm nominal size)	cum	3.89	2975.20	11574.00
6	5.9.1	Centering and shuttering including strutting, proping etc. and removal of form work for:				
(i)	5.9.1	Foundations, footings, bases for columns	Sqm	12.36	211.60	2615.00
7	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size).	Sqm	5.89	245.50	1447.00
8	4.12	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers.	per 50 kg cement	1.89	57.2	108.00
9	5.33	Providing and laying in position machine batched and mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved desing mix, Including pumping of concrete to site fo laying but excluding the cost of centering, shuttering, finishing an including retard setting of concrete, Improve workability withoutt impairing strength and admixtures in recommended proportions as per IS:9103 to accelerate, reinforcement, durability as per direction of Engineer-incharge, Note:- Cement content considered in this item is @ 330kg/cum, Excess or less cement used as per design mix is payable or recoverable separately.				
(i)	5.33.1	All work up to plinth level	cum	14.72	4756.9	70022.00
(ii)	5.33.1	All work from plinth level upto floor V level				
(iii)	5.33.1	Walls columns, pillars, posts cind struts	Cum	5.31	5293.5	28121.00
	5.33.1	Beams, planth beams, girders, bressumers, contilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	22.51	5677.2	127812.00
12	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
(i)	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	16.62	211.60	3517.00
(ii)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	88.84	437.50	38868.00
(iii)	5.9.4	Shelves (Cast in situ)	sqm	1.23	437.50	539.00

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SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
(iv)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	140.06	404.70	56681.00
(v)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	104.38	494.40	51605.00
(vi)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	3.91	224.20	877.00
(vii)	5.9.16.1	Under 20cm wide	Metre	44.55	130.20	5800.00
(viii)	5.9.19	Weather shade, Chajjas, corbels, etc. including edges.	sqm	24.22	550.90	13343.00
13	5.22	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.				
(i)	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	2344.87	94.50	221590.00
(ii)	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia	Kg	488.51	92.60	45236.00
(iii)	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	1318.99	90.80	119764.00
(iv)	5.22.7D	Thermo-Mechanically Treated bars TMTC-500-16mm dia	Kg	732.77	91.70	67195.00
14	6.1A	Brick work with bricks of class designation 100A in foundation and plinth in:				
(i)	6.1.14A	Cement mortar 1:6(1 cement:6 coarse sand)	cum	30.52	4819.90	147122.00
15	6.3A	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	19.52	842.2	16442.00
16	6.13A	Brick work 7cm thick with F.P.S brick of class designation 100A in cement mortar 1:3(1 cement: 3 coarse sand) in superstructure.	sqm	4.40	482.00	2120.00
17	6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :				
(i)	6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm	15.74	599.30	9431.00
18	6.19A	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	15.68	89.7	1406.00
19	6.21A	Extra for providing and placing in position 2 nos. 6mm dia, MS bars at every third course of half brick masonry (with F.P.S bricks)	sqm	15.74	113.60	1788.00
20	9.142	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm,out of which 75 mm shall be flat and 20 mm shall be tapered (onboth side), having one side thickness of 15 mm integrally extruded onthe hinge side of the profile for better screw holding power,				
(i)	9.142.2	35 mm thick plain PVC door shutters	sqm	3.09	3856.70	11901.00
21	9.21	Providing and fixing flush door shutters non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
(i)	9.21.1	35mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	sqm	1.85	1775.30	3283.00
(ii)	9.21.3	25 mm thick (for cub-board) including nickel plated bright finished M.S.piano hinges with necessary screws	sqm	2.47	1589.50	3920.00
22	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.				
(i)	10.32.2	Fixed to steel windows by welding	Kg	29.70	114.60	3404.00
23	9.79	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers including necessary screws etc. complete.(best make of approved quality)				
(i)	9.79.1	40 mm	Each	2.00	180.50	361.00
24	9.95	Providing and fixing aluminium but each anodised (anodic coating not less than grade AC 10 as transport or dyed requirement colour or shade with necessary screws etc.complete				
(i)	9.95.3	100x74x4.0	Each	6.00	95.80	575.00
25	9.96	Providing and fixing aluminium sliding door bolts anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:				
(i)	9.96.1	300x16mm	Each	1.00	236.50	237.00
(ii)	9.96.2	250x16mm	Each	2.00	210.10	420.00
26	9.97	Providing and fixing aluminium tower bolts 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:				
(i)	9.97.1	300x10mm	Each	2.00	111.40	223.00
(ii)	9.97.4	150x10mm	Each	4.00	71.60	286.00
27	9.100	Providing and fixing aluminium handles 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:				
(i)	9.100.1	125mm	Each	18.00	57.10	1028.00
(ii)	9.100.2	100mm	Each	4.00	50.30	201.00

SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
28	9.101	Providing and fixing aluminium hanging floor door stopper 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.				
(i)	9.101.2	Twin rubber stopper	Each	3.00	60.80	182.00
29	9.103	Providing and fixing bright finished brass 100mm mortice latch and lock with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS:1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality).	Each	1.00	655.40	655.00
30	9.104	Providing and fixing aluminium tee chanals(heavy duty)with rollers,stop end in pelmets as curtain rod i	m	3.15	139.70	440.00
31	10.12	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, with steel lugs embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer, excluding the cost of metal beading and other fitting except necessary hinges or pivots as required.				
(i)	10.12.1	Windows	Sqm	1.98	3038.90	6017.00
32	10.13	Extra for providing and fixing steel beading of approved shape and section with screw instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.				
(i)	10.13B	Steel windows	Sqm	1.08	396.70	428.00
(ii)	10.13C	Steel ventilators	Sqm	0.90	405.30	365.00
33	10.15	Providing and fixing pressed steel door confirming IS code 351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50 x 25 mm or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:				
(i)	10.15.1	Profile B	metre	15.15	405.80	6148.00
34	10.21	Providing and fixing circular cast iron box for ceiling fan clamp 140 mm internal dia, 73 mm height, 5 mm thick rim bottom and top lids, 1.5 mm thick M.S sheet with its top surface hacked for proper bonding top lid shall be screwed into the cast iron box by means of 3.3 mm dia round headed screws, one pcf at the corners. Clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	5.00	157.20	786.00
35	10.28	Providing and fixing bright finished brass casement window fastners of minimum weight 200 gms to side hung steel windows with necessary welding and machine screws etc. complete.	Each	1.00	74.30	74.00
36	10.29	Providing and fixing bright finished brass peg stays 300mm long of minimum weight 330 gms. to side hung steel windows with necessary welding and machine screws etc. complete.	Each	2.00	182.70	365.00
37	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.				
(i)	10.32.2	In gratings, frames, guard bar, ladders,	Kg	315.00	114.60	36099.00
38	10.32	Providing and fixing hand rail by welding etc. to steel ladder railings & staircases railing including applying a priming coat of approved steel primer				
(i)	10.32.2	G.I pipes 40mm nominal bore(class B)	Kg	39.06	150.00	5859.00
39	11.3	Cement concrete flooring 1:2.4(1 cement:2 coarse sand:4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, etc. but excluding the cost of nosing of steps etc. complete.				
(i)	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	109.67	289.10	31705.00
40	11.6	Cement plaster skirting (upto 30 cm hieght) with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement				
(i)	11.6.1	18 mm thick	sqm	4.97	304.15	1512.00
41	11.13	Providing and fixing glass strips in joints of terrazo/cement concrete floors.				

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SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
(i)	11.13.1	40 mm wide and 4 mm thick	metre	274.17	56.10	15381.00
42	11.38	Providing and laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brow laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement: 4 Coarse sand) including pointing the joints with white cement and matching pigments etc. complete.	sqm	3.94	862.40	3399.00
43	11.36	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 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.	sqm	7.26	795.00	5772.00
44	11.72	Providing designation 100A 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	163.27	283.30	46254.00
45	11.76	Providing average 150mm thick dry rammed khoa beaten to 112mm (compacted with water) made of well burnt or jhama bricks including ramming properly till compacted thickness is achieved, curing and carriage of water with all leads, making proper slope and blinding the top with cement mortar (1: 10) all complete as per building specification and direction of E/I,	sqm	100.21	388.30	38913.00
46	12.39	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate of 20mm nominal size) over P.V.C sheet 1mx1mx400 micron, finished with 12mm cement plaster 1:3(1 cement: 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete.	Each	2.00	189.40	379.00
47	13.11	12mm cement plaster of mix:				
(i)	13.11.4	1:6(1 cement: 6 coarse sand)	sqm	94.57	141.50	13381.00
48	13.12	15mm cement plaster on the rough side of single or half brick wall of mix:				
(i)	13.12.4	1:6(1 cement: 6 coarse sand)	sqm	94.57	162.80	15395.00
49	13.13	20mm cement plaster of mix:				
(i)	13.13.2	1:4(1 cement: 4 coarse sand)	sqm	234.09	209.90	49135.00
50	13.24	6mm cement plaster to ceiling of mix:				
(i)	13.24.2	1:4(1 cement: 4 coarse sand)	sqm	94.94	125.60	11924.00
51	13.17.1	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of neat cement	sqm	0.72	203.90	147.00
52	13.70	White washing with lime to give an ever shade				
(i)	13.70.1	New work (three or more coats)	sqm	284.07	18.90	5369.00
53	13.79	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade				
(i)	13.79.1	New work (three or more coats)	sqm	234.09	81.20	19008.00
54	13.81	Applying priming coat:				
(i)	13.81.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	11.34	39.70	450.00
(ii)	13.81.3	With ready mixed red oxide zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	3.96	34.60	137.00
55	13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
(i)	13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	sqm	29.58	116.50	3446.00
56	13.116	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	Metre	45.00	47.50	2138.00
57	22.8	Providing and laying integral cement based water proofing treatment including prepatation of surface as required for treatment of roofs, balconies , terraces etc, consisting of following operations.				
(i)	22.8.1	With average thickness of 120mm and minimum thickness at khurras point to be 65.	Sqm	98.55	850.70	83836.00
58		Carriage of Materials:-				
(i)		Bricks	%0 nos	21401	1228.30	26287.00
(ii)		Coarse sand	Cum	44.72	2715.60	121442.00
(iii)		Stone chips	Cum	43.80	2075.44	90904.00

SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
(iv)		Local Sand	Cum	75.00	316.30	23722.00
59		Difference Cost of materials :-				
(i)		Bricks 100A	%0 nos	21.40	927.20	19843.00
(ii)		Cement	Bag	555.41	5.62	3121.00
60		Providing Information Board with all complete Job	Nos.	1.00	2391.00	2391.00
61		Providing Inaguration Board with all complete Job	Nos.	1.00	5147.00	5147.00
						1845158.00
62		Add GST @ 5.36%				98900.00
						1944058.00
63		seigniorage Fee				
(i)		Bricks	%0 th	21401.00	554.50	11867.00
(ii)		Coarse sand	Cum	44.72	25.08	1122.00
(iii)		Stone chips	Cum	43.80	59.54	2608.00
(iv)		Local Sand	Cum	75.00	14.19	1064.00
Total Amount (A)						1960719.00
SANITARY INSTALLATION						
64	17.13.2	Providing and fixing water closet squatting pan (Indian type W.C pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete				
(i)		White Vitreous china Orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests. (Indian Type)	each	2.00	2283.30	4567.00
65	17.35	Provding and fixing soil,waste and vent pipes				
	17.35.1	100 mm dia				
(i)	17.35.1.1	Sand cast iron S & S pipe as per IS:1729	metre	7.00	978.30	6848.00
66	17.40	Provding and fixing heel rest sanitary bend				
	17.40.1	100 mm dia				
(i)	17.40.1.1	Sand cast iron S & S pipe as per IS:1729	Each	3.00	513.30	1540.00
67	17.43	Provding and fixing single equal plain junction of required degree with access door ,insertion rubber washer 3mm thick ,bolt and nuts complete				
	17.43.1	100 X100X100 mm				
(i)	17.43.1.1	Sand cast iron S & S pipe as per IS:1729	Each	2.00	671.20	1342.00
68	17.56	Provding and fixing terminal guard				
	17.56.1	100 mm dia				
(i)	17.56.1.1	Sand cast iron S & S pipe as per IS:1729	Each	2.00	392.90	786.00
RAIN WATER PIPE						
69	12.78	Providing and fixing on wall face unplasticised-PVC (working pressure 4 Kgf per sqm) rain water pipes conforming to IS:4985including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion				
(i)	12.78.2	110mm diameter	Metre	12.00	257.60	3091.00
70	12.79	Providing and fixing on wall face unplasticised -PVC moulded fittings/ accessories for unplasticised PVC rainwater pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
	12.79.1	Coupler				
(i)	12.79.1.2	110mm	Each	2.00	120.00	240.00
	12.79.5	Bend 87.5°				
(ii)	12.79.5.2	110mm bend	Each	3.00	132.00	396.00
	12.79.6	Shoe (Plain)				
(iii)	12.79.6.2	110mm Shoe	Each	3.00	115.95	348.00

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71	12.80	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised-PVC rain water pipes				
(i)	12.80.2	110mm	Each	11.00	182.72	2010.00
72	12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	3.00	47.90	144.00
DRAINAGE						
73	2.10	Excavating trenches of required width for pipes, cables etc including excavation for sockets and dressing of sides, ramming of bottoms depth upto 1.5m ,including getting out the excavated soil , and then returning the soil as required,in the layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming watering and desposing of surplus excavated soil as directed within a lead of 50m				
(i)	2.10.1.2	pipes cables etc exceeding 80mm dia but not exceeding 300 mm dia	Metr.	6.00	391.70	2350.00
74	19.60	Providing and laying non -pressure NP2 class(light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc. complete				
(i)	19.6.2	150 mm dia R.C.C. pipe	Metr.	6.00	410.70	2464.00
75	19.70	Constructing brick masonry manhole in cement mortar 1:4 (1 cement, 4 coarse sand.) R.C.C. top slab with 1:2:4 mix(1 cement, 2 coarse sand, 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1cement, 4 coarse sand, 8 graded stone aggregate 40 mm nominal size.) inside plastering 12 mm thick with cement mortar 1:3 (1 cement, 3 coarse sand.) finished with floating coat of neat cement and making channels in cement concrete 1:2:4. finished with floating coat of neat cement complete as per standard design.				
	19.7.1	Inside size 90x80cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimension total weight of cover and fram to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)				
(i)	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks with class designation 7.5	Each	3.00	7914.70	23744.00
76	19.33	Constructing soak pit 1.20x1.20x1.20 filled with brick bats including S.W.drain pipe 100 mm diameter and 1.20 m long complete as per standard design				
(i)			Each	1.00	4117.30	4117.00
HAND PUMP						
77	PHED	India mark-II Hand Pump with all accessories including 8 Nos. (3 Mtr length each) connecting rod and one syllinder Confirming IS: 155000 (Part 1-8)/2008	Each	1	9284	9284.00
78	PHED	125 mm dia UPVC Casing Pipe confirming to IS : 12818-1983/1992	M	30	432	12960.00
79	PHED	32 mm dia medium quality G.I. Riser Pipe and 8 Nos. 3 mtr length (3 mtr each length confirming IS:1239	M	30	234	7020.00
80	PHED	40 mm dia x 2 mtr, long UPVC RIBEED Strainer confirming to IS : 12818 - 1983/1992	Each	3	248	744.00
81	PHED	125 mm dia x 40 mm x UPVC reducing socket (Heavy Quality)	Each	1	275	275.00
82	BCD 18.7.5	40 mm nominal outer dia CPVC Pipe	M	39	538.4	20998.00
83	BCD	Supplying all materials labours and equipement for constructing platform with foot rest etc. all complete job.(Detail Est attached)	Each	1	5289	5289.00
84	BCD	Supplying drain 3 m as per design etc. all complete job.(Detail Est Attached)	Each	3	1540	4620.00
85	PHED	Supplying labour and equipment including 125 mm dia G.I. cap & fitting and fixing over the T/W properly and taking it out as per direction of E.I. (Cap will be property of the contractor) 1 No.	Each	1.00	80.00	80.00
86	PHED	Providing all labours for fitting and fixing of India mark II hand pump including supplying all tools and plants required for the all job complete as per direction of E/I.	Each	1.00	143.20	143.00
87	PHED	Supplying all tools equipment all labours for lowering 32 mm dia medium quality G.I. Pipe (Riser pipe) in drilled T/W in 3 mtrs lenth	p/m	30.00	20.32	610.00
88	PHED	Providing all labour for fitting and fixing of deep cylinder with the riser pipe including necessary connecting and jointing materials, chrom leather bucket all tools & plants required for the job low water lever all complete job as per specification and direction of E/I.	Each	1.00	198.30	198.00
89	PHED	Supplying all materials & labours for arrangement of additional water required during the drilling work all complete job as per specification and direction of E/I.	Each	1.00	1000.00	1000.00

SLNO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
90	PHED	Developing and Testing of T/W till the discharge is free from sand one item all complete job as per specification and direction of E/I.	Each	1.00	421.56	422.00
Septik Tank						
91	2.8.1	Providing earth work in excavation	cum	19.01	360.7	6857.00
(i)	B-2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing				
92			cum	9.282	287.3	2667.00
93	B-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.	sqm	9.282	283.3	2630.00
94	B-4.5.3	Providing P.C.C(1:2:4) in F&P do....do....all complete job	cum	1.042	3998.1	4166.00
95	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 1:2:4 (1 cement 2 coarse sand 4 graded stone)	cum	0.367395	4902.3	1801.00
96	6.1.12A	Providing 100A B/W(1:4) in superstructure etc. all complete job	cum	2.778	5037.2	13993.00
97	6.1.14A	Providing 100A B/W(1:6) in superstructure etc. all complete job	cum	2.41	4819.9	11623.00
98	5.29	Providing M-S reinforcement etc. all complete job	Kg	36.74	92.6	3402.00
99	13.17	Providing 12mm thick CP(1:3) on overall roof surface	sqm	9.86	190.8	1881.00
100	13.11.4	Providing 20 mm thick C.P (1:3) in all etc. all complete job	sqm	1.8	141.5	255.00
101	0285B	50 mm size brick aggregate outer side of soak pit	cum	1.99	1247	2476.00
102		Carriage of materials				
(i)		brick(8 KM)	Nos.	2894.10	1228.3	3555.00
(ii)		local sand (3 KM.)	cum	9.42	316.3	2980.00
(iii)		Coarse sand	cum	2.19	2715.6	5953.00
(iv)		Stone chips	cum	1.24	2075.44	2573.00
Total						184442.00
Add GST @ 5.36%						9886.00
103		Add S/Fee				1867.00
Total Amount (B)						196195.00
Electrification						
103	1.1.3	Wiring for light point/ fan point/ exhaust fan point / call bell point with 1.5 Sq mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit with piano type switch, modular plate, suitable size G.I. box and earthing the point with 1.5 sq mm FR PVC insulated copper conductor single core cable etc as required. Group- B	Point	36	681	24516.00
104	1.23.4	Supplying and fixing 3 pin 5/6 amps socket outlet & 6A switch piano type on the existing switch box including connections etc. as required.	Point	3	52	156.00
105	1.3	Supplying and fixing suitable size GI/PVC box on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 amps socket outlet & 6A switch piano type connection painting etc. as required.	Point	2	286	572.00
106	1.17	Supplying and drawing low resistance co-axial T.V cable RJ-6 grade copper conductor PE insulated, with PVC sheath in the existing PVC conduit etc. as required.	Meter	10	24	240.00
107	1.23.7	Supplying and fixing piano type T.V antenna socket on the existing metal box including making connection, etc. as required.	Each	1	52	52.00
108	1.7.27.1 17.4	Wiring for circuit/ submain wiring along with earth wire with the following sizes				
		2 x 1.5 sq. mm + 1 x 1.5 sq. mm earth wire (Circuit wiring)	Meter	30	130	3900.00
		2 x 6.0 sq. mm + 1 x 6.0 sq. mm earth wire	Meter	25	271	6775.00
109	1.3	Supplying and fixing metal box of following size in recess with suitable size of phenolic laminated sheet cover in the front including painting etc. as required.				
(i)		75mmX75mmX60mm	Each	1	286	286.00
MAIN PANEL & D.B.s						
110	2.8.7	Supplying and fixing 8 way double door single pole and Neutral sheet steel M.C.B. D.B. 240 Volts in recess, complete with tinned copper busbar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphatized and powder painted including nting, earthing etc. as required (But without MCB/ RCCB/Isolator)(UPS DB)	Each	1	1081	1081.00
111	2.15.1	Supplying and fixing of following rating C series MCB suitable for inductive and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(i)	2.15.1	6 Amp. To 32 Amp. SP MCB 240 Volt	Each	6	355	2130.00
(ii)	2.12.2	32 Amp SPN MCB 240 Volt	Each	1	511	511.00
EARTHING						
112	3.1	Earthing with G.I earth pipe 4.5 mt. long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. including providing salt and charcoal for pipe earth electrode as required.	Set	2	3196	6392.00
113	3.7	Providing and laying earth connections from earth electrode with 4.00 mm. Dia copper wire in 15 mm. Dia G.I pipe from earth electrode as required.	Meter	10	17	170.00

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SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
114	3.15	Providing and fixing 25mmX5mm GI strip on surface for connection etc as required.	Meter	10	150	1500.00
115	3.17	Providing and fixing 4mm dia copper wire on surface or in recess for loop earthing etc as required.	Meter	10	269	2690.00
SUPPLY AND INSTALLATION OF FIXTURES						
116		Supplying and fixing bulkhead fitting die cast aluminium alloy body with prismatic glass cover suitable for the GLS/CFL lamp directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated, copper conductor single core cable etc as required.	Each	11	445	4895.00
117		Supplying and fixing 2 pin 5 Amp ceiling rose on the existing junction box/ PVC box including connection etc as required.	Each	15	599	8985.00
118		Supplying and fixing batten / angle holder including connections with 1.5 sq.mm FR PVC insulated, copper conductor single core cable etc. as required.	Each	3	42	126.00
119		Supplying and fixing following types lamp in existing electrical fitting/ fixture etc as required.				
(i)		18 watt CFL lamp	Each	3	201	603.00
120		Supplying and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated insulated copper conductor etc as required.	Each	7	1618	11326.00
121		Supply and installation of 300 mm, 230 V A.C. exhaust fan in the existing opening, including making good the damage, including making good the damage, connection, testing, commissioning etc. as required.	Each	2	1483	2966.00
122		Supplying and fixing powder coated strip fitting complete with electronic ballast, 4'x40 watt fluorescent lamp etc. directly on ceiling / wall including connections with 1.5 sq.mm FR PVC insulated, copper conductor single core cable etc. as required.	Each	13	460	5980.00
Total						85852.00
Add GST @ 5.36%						4602.00
Total Amount (C)						90454.00
Boundarywall						
123	2.8.1	Earthwork in excavation in foundation in trenches or drains not exceeding 1.5 mtr in width or 10 sqm in plan.	cum	360.7	38.25	13798.00
124	2.28	Supplying and Filling in plinth with local sand and under floors including watering, ramming consolidating and dressing complete.	cum	287.3	2.96	851.00
125	11.72	Providing designation 100A 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	283.3	37.21	10540.00
126	5.1	Providing and laying in position specified grade of reinforcement concrete excluding the cost of centering and shuttering- All works up to plinth level(1:1.5:3)				
(i)	5.1.1	All work up to plinth level	cum	4688.3	15.18	71177.00
(ii)	5.2.2	All work from plinth level upto floor V level	cum	5670	4.49	25472.00
127	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
128	5.9.1	Foundation footing bases of column	sqm	211.6	27.21	5757.00
(i)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	404.7	40.28	16301.00
(ii)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	494.4	68.15	33696.00
129	5.22	Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.				
(i)	5.22.1	Mild steel 6mm dia	Kg	96.7	66.40	6421.00
(ii)	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	Kg	94.5	472.19	44622.00
(iii)	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia	Kg	92.6	184.45	17080.00
(iv)	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia	Kg	90.8	752.55	68331.00
130	6.1.14A	Cement mortar 1:6(1 cement:6 coarse sand)	cum	4819.9	10.42	50211.00
131	6.3A	Extra for Brick work in superstructure above plinth level upto floor V Level	cum	842.2	10.42	8774.00
132	9.82	Providing and fixing M.S grills of required pattern in frames of windows etc. with M.S flats, square or round bars etc. all complete.				
(i)	9.82.2	Fixed to openings / wooden frames with rawl plugs screws etc.	Kg	108.1	734.25	79372.00
133	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.				
(i)	10.32.2	In gratings, frames, guard bar, ladders,	Kg	104	157.5	16380.00
134	13.12	15mm cement plaster on the rough side of single or half brick wall of mix:				
(i)	13.12.4	1:6(1 cement: 6 coarse sand)	sqm	162.8	175.394	28554.00
(ii)	13.79.1	New work (three or more coats)	sqm	81.2	175.394	14242.00
135	13.81	Applying priming coat:				
(i)		With ready mixed red oxide zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	39.7	33.375	1325.00

SL.NO	S.O.R No.	DESCRIPTION	UNIT	QTY.	Rate	AMOUNT
136	13.94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
(i)	13.94.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	sqm	116.5	45.975	5356.00
137		Carriage of Materials:-				
(i)		Bricks -8 KM(local lead 1K+7P)	%0 nos	1228.3	6346	7795.00
(ii)		Coarse sand	Cum	2715.6	14.34	38936.00
(iii)		Stone chips	Cum	2075.44	14.78	30675.00
(iv)		Local Sand - 3 KM(Lead 1K+2P)	Cum	316.3	3.53	1117.00
138		Difference Cost of materials :-	%0 nos	927.2	12134.21	11251.00
(i)		Bricks 100A	MT	5.62	185.32	1042.00
(ii)		Cement (Patna Division)				609076.00
						32646.00
139		Add GST @ 5.36%				641722.00
140		Seigniorage cost	%0 nos	554.5	6346	3519.00
(i)		Bricks -8 KM(local lead 1K+7P)	Cum	59.54	14.78	880.00
(ii)		Stone chips	Cum	25.08	14.34	360.00
(iii)		Coarse sand	Cum	14.19	3.53	50.00
(iv)		Local Sand - 3 KM(Lead 1K+2P)				646531.00
Total Amount (D)						2893899.00
Total Amount (A+B+C+D)						

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 BOO is approved for 28,93,899/-
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सहायक अभियंता
 स्थानीय क्षेत्र अभियंत्रण संगठन
 कार्य अंचल, पूर्णियाँ

अधीक्षण अभियंता
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 कार्य अंचल, पूर्णियाँ।