

**SRI GADADHAR ACHARYA
JANTA COLLEGE
RAMBAGH BIHAR (PATNA)**

Short Tender Notice

Seal Tender on prescribed format are invited through registered contractor of PPU for under noted work up to 3 P.M. of 15/04/2026.

SN.-1, Name of work: Repair and Maintenance of existing Toilets of Girls & Boys. **Estimated Cost:** 465100/- **Cost of BOQ (Non refundable) :** 1250/- **EMD In (In shape of DD/ NEFT/ FD) :** 9302/- **Completion Period :** 04 Months. **SN.-2,**

Name of work: Construction of New Toilet Block for both gender. **Estimated Cost:** 1115500/- **Cost of BOQ (Non refundable) :** 1250/- **EMD In (in shape of DD/ NEFT/ FD) :** 22310/- **Completion Period :** 04 Months. **SN.-3, Name of**

work: Boundary Wall piling beam & column to enclose college land (along south side). **Estimated Cost:** 2335200/- **Cost of BOQ (Non refundable) :** 1250/- **EMD In (In shape of DD/ NEFT/ FD) :** 46704/- **Completion Period :** 08 Months. **SN.-4, Name of work:**

Construction of student union office with Toilet. Estimated Cost: 1496000/- **Cost of BOQ (Non refundable) :** 1250/- **EMD In (in shape of DD/ NEFT/ FD) :** 29920/- **Completion Period :** 04 Months. The intending person/

firm can obtain BOQ on payment of its cost during office hours between 10/04/2026 to 15/04/2026. The duly completed Tender in all respect with all required document and EMD may be submitted in seal envelop on or before stipulated date and time in the office of the undersigned. The undersigned reserves all the right to reject/ cancelled in above respect in that assign any reason there of.

Principal

A

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Detail Estimate For

Bathroom Repairing of Boys & Grils Toilet At
Sri GJ . College ,Bihta ,Bihar .

Detail Of Measurment

Total Amount Rs, 5,67,000=00

Rates of 01.01.2022 based on PWD RATES.

S.L.	ITEM OF WORK	Unit	Quantity	Rate	Total Amount
1	15.56 Dismantling old painting or plaster, flooring raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 meter lead.	sqm	21.7	228.53	4959.101
2	Dismantling tile wall cutting work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. Brick cutting etc work	sq/ft.sqm	47.5	1250 117	5557 = 50
3	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead . With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	237.2	115.98	27510.456
4	providing and applying wall putty of 2mm thick over plastered surface to pre pare the surface even and smooth complete.	m2	127.9	158	20108.2
5	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade				
6	13.77 OLD work (two or more coats) over and including priming coat with cement primer.	m2	102.3	0	
7	13.82b.2 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. New Work (two or more coats)	m2	122.7	158.18	19408.886
8	5.2.2 Reinforced cement concrete of specified grade excluding the cost of centring and shuttering finishing reinforcement. 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	m3	6670	3.55	

ARR
15.23
15.23.2

13.40A
13.40.2.2

5

8	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (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 Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.				
11.4	flooring	m2	23.32	1414	32974.48
9	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.				0
11.36	bath room	m2	93.68	795	74475.6
10	Providing and fixing aluminium Work---				
MR	i) Door & Window Frame and fixed person Etc work Completed Job.	sft	158.5	450	71325
	ii) shutter or all fittings works completed job.	sft	158.5	150	23335
11	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 including cutting and making good the walls and floors wherever required :				0
17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	each	5	4470.9	22354.5
12	Providing and fixing vitreous china pedestal type water closet (european type) 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 including cutting and making good the walls and floors wherever required :				0
17.3.1	W.C. pan with ISI Marked white solid plastic seat .	each	0	5504.3	0
13					0



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	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x150mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
17.5					
17.5.1	single half urinal basins with 5 litre white P.V.C. automatic flushing cistern	each	7	6469	45283
14	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :				
17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	each	2	2764.4	5528.8
15	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	32 mm dia	each	8	110	880
16	Providing and fixing cp brass bib cock of approved quality :				
18.50	15 mm nominal bore	each	15	715.1	10726.5
17	Providing and fixing cp brass stop cock of approved quality :				
18.52	15 mm nominal bore	each	15	594.80 708.4	8922.00 10626.00
18					
18.65	proiding & fixing ptmt soap dish holder completed job	each	2	96.80 130.5	193.60 261.00
19					
17.73	providing and fixing ptmt towel rail				
17.73.2	completed with brackets	each	0	439	0
20					
17.24	providing and fixing wall hang Decorided				
17.31	Mirror completed job	each	2	1062.50 1519	2125.00 3038.00
21	Constructing brick masonry road gully chamber ^{60x45x50 cm} 45x45x77.5 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design : <i>as specified</i> With F.P.S. bricks	each	4	6849.90 2568	27399.60 10272.00
22					



A-3,99,932=153

125

	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				0
12.78	110mm diameter	meter	45.73	257.5	11775.475
23					
	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
12.79	Single tee with door	nos	8	193.4	1547.2
	110 coupler	nos	9	120	1080
	110 mm bend	nos	10	132	1320
	110mm shoe plain	nos	11	115.95	1275.45
	single pushfit coupler	nos	15	374.6	5619
	single tee with out door	nos	10	193.4	1934
24					0
12.8	110mm pvc clip	nos	20	182.72	3654.4
25					0
	providing & Fitting fixing pvc 6" pipe completed job.	fit	30	290	8700
26					0
	Providing and fixing cpvc pipes complete with . fittings and clamps, including cutting and making good the walls etc. concealed work -				0
	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.				0
18.8.1	15 mm dia nominal bore	meter	10.23	278.2	2845.986
18.8.2	20 mm dia nominal bore	meter	35.12	350.8	12320.096
	25mm nominal bore	meter	6.23	463.1	2885.113
27					0
	making connection of distribution branch with Main of following size by providing and fixing tee, including cutting and threading the pipe etc complete				0
18.13.1)	25mm to 40mm nominal bore	nos	40 ⁰⁶	446.7	17868 ²⁶⁸⁰⁻²⁰
28	S.R extra carriage of material				
a	stone sand	m3	6.12	1031.54	6313.0248
b	stone chips	m3	0.9	3831.18	0
c	Cement	bag	30	25.9	777
29	S R extra cost difference of material of ..				
a	Cement				

B

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Total amount -----Rs,

Rs. 4,65,097 = ~~556988.15~~
5,67,000 = 00

Note:- Escalation for increase labour cost & Govt. Material Cost.

Analysis Of Rate Estimate Schedule Of Rate 01.01.2022 Govt. Of Bihar Building Const. Dep.

Part - 'A' > Rp. B. 4,65,100/-

(Request four lac only five thousand one hundred only)



Patna
23/02/2026
A.E., P.P.O., Patna

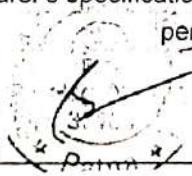
'B'

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Detail Estimate For
Construction of Toilet Block At
Sri GJ . College ,Bihta ,Bihar .
Detail Of Measurment

Total Amount Rs, 11,65,100=00
 total Area = 200 = 00 Sqft
 Rates of 01.01.2022 based on PWD RATES.

S.L.	ITEM OF WORK	Unit	Quantity	Rate	Total Amount
	1 Earth Work				
	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum 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 directed, within a lead of 50 m.				
2.8					
2.8.1	All kinds soil	m3		10.88	360.7
					3924.416
	2				0
	Supplying and filling in plinth with Ganga sand under floors including, watering, ramming consolidating and dressing complete.				
2.28		m3		17	287.3
					4884.1
	Concrete Work				
	3				0
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
5.2					0
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	m3		1.2	5214.1
5.2.3					6256.92
	4				
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
5.2					0
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	m3		14.13	5670
5.2.2					80117.1
	5				0
	4.12 Extra for proiding and mixing water proofing materials in cement concrete per 50kg work in doses by weight of cement as per manufacturer's specification cement	per 50kg		145	57.16
					8288.2
	6				
	4.17 Making plinth protection 50mm thick of cement concreete 01:03:06 over 75mm thick bed of dry brick ballats 40mm				



1,03,470 = 24

	including finishing the top smooth.	sqm	28.25	417.6	11797.2
	Reinforced cement concrete				0
	7				0
	Centring and shuttering including strutting, propping etc. and removal of form for :				0
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	m2	20.07	211.6	4246.812
	8				0
5.9.2	wall (any thickness) including attached pilasters buttersesses,	sqm	0	375.1	0
	9				
5.9.20	suspended floors	m2	16.35	544.6	8904.21
	10				
5.9.4	shelves (cast in situ)	sqm	4	437.5	1750
	11				
5.9.21	lintels beams, griders and contilevers	m2	10.79	518.9	5598.931
	12				
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	m2	22.28	494.4	11015.232
	13				0
5.9.7	stairs (excluding landings) except spiral-staircases	m2	0	439.9	0
	14				0
5.9.19	weather shade, chajjas, corbels etc, including edges	sqm	6.5	550.9	3580.85
	15				0
5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and bnding all complete.	8mm	310	94.50	29295
	Thermo-Mechanically Treated bars.	10mm	490	92.6	45374
		12mm	230	90.80	20884
		16mm	90	91.7	8253
		20mm	0	91.70	0
		25mm	0	91.7	0
			1120		
	Brick work				0
	16				0
6.1A	Brick work with F.P.S. bricks of class designation 100 A in foundation and plinth in:				0
6.1.12A	Cement mortar 1:4(1 cement : 4 coarse sand)	m3	15.52	4819.9	74804.848
	17				0
6.3.a	Extra for brick work in superstructure above plinth level floor v cum	m3	15	842.2	12633
	18				

19							
6.18.4a	cement mortar 1:4 for half brick	m2	42.56	621.5	26451.04		
20							
6.3.1	Extra for half brick work in superstructure above plinth level floor v cum	sqm	42.56	89.7	3817.632		
21							
6.21	Extra for proiding and placing in position 2 nos 6mm dia ms bars at every third course of half brick masonry.	sqm	42.56	113.6	4834.816		
22							
6.47a,	providing 250mm wide brick drain in cement mortar 1:6 with av 150mm clear depth and 250mm apron including cost of e/w but excluding carrige cost of bricks sand and jhama metal.	m	0	1087.9	0		
	wood & pvc work						
23							
9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :						
9.1.1	Second class teak wood	m3	0.138	120526.6	16632.6708		
24							
9.2	providing and fixing ISI marked flush door shutters conforming to IS: 2202 (part I) Decorative type ,core block board construction with frame of 1st class hard wood and well matched teek 3 ply veneering with vertical grains or cross band and face veneers on both faces of shutters 35mm thick including ISI marked stainless steel butt hinges with necessary screws.	sqm	5.2	2845.6	14797.12		
9.20.1							
25							
9.53	providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10 mm diameter bots nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6	each	18	130.8	2354.4		
26							
	providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent of dyed to.						



B. 4,10, 495 = 50

9.97.1	required colour or shade with necessary screws etc. complete 300x10mm					
9.97.4	250x10mm	each	3	111.4	334.2	
27	providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent of dyed to required colour or shade with necessary screws etc. complete	each	3	98.2	294.6	
9.96.1	300x16mm					
9.218.2	250x16mm	each	3	235.5	706.5	
28	providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent of dyed to required colour or shade with necessary screws etc. complete	each	3	210.1	630.3	
9.100.1	125mm					
9.222.2	100mm	each	3	57.1	171.3	
29	providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent of dyed to required colour or shade with necessary screws etc. complete	each	3	50.3	150.9	
9.101	twin rubber stopper each					
9.101.2	30	each	3	60.8	182.4	
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. all complete.	kg	90	144.5	13005	
31	Providing and fixing aluminium Work---					
MR	i) Door & Window Frame and fixed person Etc work Completed Job.	sft	118			
	ii) shutter or all fittings works completed job.	sft	118			
Flooring work						
32	11.72 Providing Designation 100A one Brick flat Solling Joints filled with local Sand including cost of watering taxes royalty all complete as per building specification and direction of E/I	m2				

450
118
118

53100
17700
35400

11.23.1	providing and fixing marble stone flooring with 18mm thick marble stone over 20 mm thick base of cement mortar 1:4 laid and jointed with grey cements slurry including rubbing and polishing complete with rajnagar plain white marble	m2	4.8	2934.3	14084.64
34					0
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 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 60x60 cm	m2	10.4	1638.8	17043.52
35					0
11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.	m2	93.6	795	74412
36					0
11.38	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (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 Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	m2	2.75	862.4	2371.6
37					0
11.26	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	m2	0	1252.7	0
Finishing work					
38					0
13.11	12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	m2	46.84	152.9	7161.836

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13.12.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4(1 cement : 4 fine sand)	m2	64.12	176.4	11310.768
40					0
13.13	20 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement : 4 fine sand)	m2	20	209.9	4198
41					0
13.24.1	6 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement : 4 fine sand)	m2	5	125.6	628
42					0
13.36.3	Extra for providing and mixing water proofing material in cement per bag of plaster work in proportion recommended by the manufacturers.	sqm	110	10.3	1122
43					0
13.40.a	providing and applying plaster of jk wall putty of 2mm thick over plastered surface to pre pare the surface even and smooth complete.	m2	90	127.9	11511
44					0
13.77	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade				0
13.77.2	New work (two or more coats) over and including priming coat with cement primer.	m2	140	102.3	14322
45					0
13.82b.2	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. New Work (two or more coats) <i>external wall surface</i>	m2	110 140	122.70 120.5	13493 168
46					0
13.81.1	Applying primer coat with ready mix pink on wooden surface of approved brand and manuf acture on wooden work	m2	25	39.7	992.5
47					0
13.50.3	with ready mixed red oxide zine chromate primer of approved brand and manufacture on steel galvanised iron/steel work	m2	25	32.4	810
48					0
13.82.1	Painting with synthetic enamel paint of approved brand and manufacture of required color to give an even shade				

26,957=96

SBMS=0
AL

49	new work over wooden and steel work	m2	25 50	116.5	0
12.78	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes				0
50	110mm diameter	meter	80.25	257.5	20664.375
12.79	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				0
	Single tee with door	nos	9	193.4	1740.6
	110 coupler	nos	4	120	480
	110 mm bend	nos	9	132	1188
	110mm shoe plain	nos	5	115.95	579.75
	single pushfit coupler	nos	10	374.6	3746
	single tee with out door	nos	4	193.4	773.6
51					0
12.8	110mm pvc clip	nos	25	182.72	4568
52					0
	Boring providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete piles with mix 1:1.5:3 ----- to carry a safe working load not less than specified, excluding the cost of sttel reinforcement but---- (length of pile for payment shall be measured up to the bottom of pile cap)				
20.2.1 20.3.1	300 mm dia piles	m	30	902.60 2077	27078.0 20229
53					0
20.4	Extra over item no 23.3 for boring providing and install ing cast in situ double under reamed piles, instead of single under ream of specified diameter and length (only the quantity of extra bulbs are to be paid)	nos	6	1621.60 4458.8	9729.60 2750
20.4.1					0
20.3A 23.2.5 20.2A.1 ns	54 Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand augar of----- approved design and direction of e/i.	m	60	178.30 1075	10698.0 10050
55					0



24,046.88

23.2.6	63 cm (25) under ream making cm (25) dia under ream at required with hand auger or approved quality in ordinary soil ----- stage of operation and disposal of the excavation earth up to 50 mtr, lead in eluding all lifts all complete as per approved disign and direction of E/I	nos	12	178.8	2145.6
17.1.1	56 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 including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	each	4	4470.9	17883.6
17.3.1	57 Providing and fixing viteous china padestal type water closet (european type) 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 including cutting and making good the walls and floors wherever required : W.C. pan with ISI Marked white solid plastic seat .	each	0	5504.3	0
17.5.1	58 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : single haif urinal basins with 5 litre white P.V.C. automatic flushing cistern.	each	3	6469	19407
17.7.1	59 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	each	2	2764.4	5528.8
17.28	60 Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	each	10	91	910
18.5	61 Providing and fixing cp brass bib cock of approved quality : 15 mm nominal bore	each	10	715.1	7151

	Providing and fixing cp brass stop cock of approved quality :				0
18.52	15 mm nominal bore	each	10	594.8	5948
63	Providing and fixing cpvc pipes complete with fittings and clamps, including cutting and making good the walls etc. Internal work - Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.				
18.8.1	15 mm dia nominal bore	meter	36.58	278.2	10176 558
18.8.2	20 mm dia nominal bore	meter	15.29	350.8	5363 732
	25 mm dia nominal bore	meter	20.34	463.1	9419 454
	32 mm dia nominal bore	meter	12.23	549.8	6724 054
	40mm	meter	0	477.6	0
	50mm	meter	0	730.3	0
64	making connetion of distribution branch with Main of following size by providing and fixing tee, including cutting and threading the pipe etc complete				
18.13.1)	25mm to 40mm nominal bore	nos	30 ¹⁰	446.7	1340.1 ^{446.7}
65					
18.48	providing & fixing Water Tank 3 layer ISI PVC Water Tank completed job	lit	1000	9.7	9700
Mr	66 providing & fixing Water tank basment & line conecation etc work completed job	job	1	9560	9560
17.32.4	67 providing and fixing wall hang ^{bevelled} Decorided Mirror completed job	each	2	1515.2 ^{1068.50}	3030.4 ^{2137.00}
17.31	68 providing septic tank work completed job	nos	1	95630	95630
69					
19.32	Making soak pit 2.5m dimeter 3.0 m deep with 45x45 cm dry brick hony comb shaft with bricks and S.W. Drain pipe 100mm diameter 1.8 m long complete as per building specification and direction of E/I.				
19.32.1	with common burnt clay fps (non modular) bricks of class designation	each	1	33603.4	33603 4
	70 S.R extra carriage of material				
a	local sand	m3	17	310.47	5277 99
b	stone sand	m3	15.23	1031.54	15710 3542

d	stone chips	m3	14 23	3831 18	54517 8914
	bricks	nos	8461 1140 59 %0		9648
	Cement	bag	160	25 9	4144
	reinforcement	ton	1.1	512 96	564 256
	71 S R extra cost difference of material of ..				0
a	bricks	nos	8461 1606 89%0		13537
b	Cement	bag	160	13.27	2123 2
	Total amount -----Rs,				1155015 075

Note:- Excalation for increase labour cost & Govt. Material Cost.
 Analysis Of Rate Estimate Schedule Of Rate 01.01.2022 Govt. Of Bihar Building Const. Dep.

Part - B. → Total ~~Rs. 11,65,100=00~~ B. 11,15,321 = 54
 Rs. 11,15,500 = 104

(Rupees eleven lacs fifteen thousand five hundred ..)



Recd
 23/02/2026
 A-E, PPU, Patna

C'

113

Detail Estimate For
Boundary wall Piling, Tie Beam, Support Piller work At
Sri GJ . College ,Bihta ,Bihar .
Detail Of Measurment

Length = 922 Fit

Total Amount Rs, 23,12,400=00

Rates of 01.01.2022 based on PWD RATES.

S.L.	ITEM OF WORK	Unit	Quantity	Rate	Total Amount
1	. Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum 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 directed, within a lead of 50 m.				
2.8	2.8 All kinds soil	m3	360.7	22.66	8173.452
2.8.1	2				
4.1	4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	m3	5670	70.43	399338.1
4.1.2	3				
5.9	5.9 Centring and shuttering including strutting, propping etc. and removal of form for :				
5.9.1	5.9.1 Foundations, footings, bases of columns, etc. for mass concrete.	m2	211.6	148.69	31462.804
5.14.2	4				
5.14.5	5.14.2 wall (any thickness) including attached pilasters butteresses, 5 lintels beams, griders and contilevers	sqm	375.1	0	
5.14.6	6				
5.14.6	5.14.6 Columns, Pillars, Piers, Abutments, Posts and Struts.	m2	494.4	247.58	122403.552
5.22	7				
5.22	5.22 Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars.	8mm	1460	94.50	137970
		10mm	3317	92.6	307154.2
		12mm	1931	90.80	175334.8
		16mm	0	91.7	0
			6708		

23

	8						
	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	m2	71.12	283.3		20148.250
	9	Boring providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete piles with mix 1:1.5:3 ----- to carry a safe working load not less than specified, excluding the cost of steel reinforcement but---- (length of pile for payment shall be measured up to the bottom of pile cap)					0
20.2.1	10	300 mm dia piles	m	560	902.6		506450
	20.4	Extra over item no 23.3 ^{20.2.1} for boring providing and installing cast in situ double under reamed piles, instead of single under ream of specified diameter and length (only the quantity of extra bulbs are to be paid)	nos	140	1450.0 1621.60		2270.00 2270.00
23.2.5	11	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand augar of----- approved design and direction of e/i.	m	0	187.5		0
20.3a	12	63 cm (25)under reem making cm (25) dia under ream at required with hand augar or approved quality in ordinary soil ----- stage of operation and disposal of the excavation earth up to 50 mtr, lead in eluding all lifts all complete as per approved disign and direction of E/I	nos	0	190.2		0
a	13	S.R extra carriage of material					0
b		local sand	m3	0	310.47		0
c		stone sand	m3	30.12	1031.54		31069.9848
d		stone chips	m3	56.34	3831.18		215848.8812
		bricks	nos	0	1140.59%		0
		Cement	bag	560	25.9		14504
a	14	S.R extra cost difference of material of ..	nos	0	1806.89%		0
b		bricks	bag	560	13.27		7431.2
		Cement					

Total amount Part - (c) 2270.00 (100%)

The following information is being furnished to you for your information only. It is not intended to constitute an offer of insurance or any other financial product. The information is provided for your general information only and should not be relied upon as a basis for any investment decision. The information is provided for your general information only and should not be relied upon as a basis for any investment decision.

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D

Detail Estimate For
 Proposed of Student ^{Union} Common Room At
 Sri GJ . College ,Bihta ,Bihar .
 Detail Of Measurement

Total Amount Rs, 14,93,900=00

total Area = 450 = 00 Sqft

Rates of 01.01 2022 based on PWD RATES.

S.L. .	ITEM OF WORK	Unit	Quantity	Rate	Total Amount
1 Earth Work					
	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum 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 directed, within a lead of 50 m.				
2.8					
2.8.1	All kinds soil	m3		28.33	360.7
					10218.631
2.28	Supplying and filling in plinth with Ganga sand under floors including, watering, ramming consolidating and dressing complete.	m3		51	287.3
					14652.3
Concrete Work					
5.2.	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :				
5.2.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	m3		1.9	5214.1
					9906.79
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	m3		1.29	5670
					7314.3
4.12	Extra for proiding and mixing water proofing materials in cement concrete per 50kg work in doses by weight of cement as per manufacturer's specification cement	per 50kg		145	57.16
					8298.2
4.17	making plinth protection 50mm thick of cement concrete 1:3:6 over 75mm				

bed of dry brick ballats 40mm -- including finishing the top smooth

sqm 18.58 435.6 8112.028

Reinforced cement concrete

7					0
5.9	Centring and shuttering including strutting, propping etc. and removal of form for :				0
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.				0
8		m2	35.68	211.6	7549.888
5.9.2	wall (any thickness) including attached pilasters buttheresses,				0
9		sqm	0	375.1	0
5.9.20	suspended floors				0
10		m2	37.17	544.6	20242.782
5.9.4	shelves (cast in situ)				0
11		sqm	10	437.5	4375
5.9.21	lintels beams, griders and contilevers				0
12		m2	66.91	518.9	34719.599
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.				0
13		m2	46.5	494.4	22989.6
5.9.7	stairs (excluding landings) except spiral-staircases				0
14		m2	0	439.9	0
5.9.19	weather shade, chajjas, corbels etc, including edges				0
15		sqm	12.12	550.9	6676.908
5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars.				0
		8mm	950.200	94.5	
		10mm	1800.670	92.6	
		12mm	950.490	90.8	
		16mm	550.370	91.7	
		20mm	0	91.7	
		25mm	0	91.7	
16			2320	3250 kg	
5.33	Providing and laying in position machine machine specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level :to v level				
5.33.2	all work plinth level	m3	0	5562.4	
17					
	all work plinth level up to floor v level				
	walls colum pillars posts cind struts				

$89375 = 40$
 $1,01,860 = 40$
 $86,260 = 40$
 $22,915 = 40$

$3250 kg$
 2320

	beams plinth beams girders bressumers	m3	31.06	6372	137914.32
	contilevers suspended floor lintels roofs and staircases including spiral staircases shelves etc.	m3	0	6372	0
18	extra for rcc floor level to v level	m3	31.06	281	8727.86
	Brick work				0
19	Brick work with F.P.S. bricks of class designation 100 A in foundation and plinth in:				0
6.1A	Cement mortar 1:4(1 cement : 4 coarse sand)	m3	25.12	4819.9	121075.888
6.1.12A	20				0
6.3.a	Extra for brick work in superstructure above plinth level floor v cum	m3	22	842.2	18528.4
	21				0
	EXTRA for brick work in superstructure above v level for each four floor cum			600.1	0
	22				0
6.18.4a	cement mortar 1:4 for half brick	m2	3	621.5	1864.5
6.3.1	23				0
	Extra for haif brick work in superstructure above plinth level floor v cum	sqm	3	89.7	269.1
	24				0
6.21	Extra for proiding and placing in position 2 nos 6mm dia ms bars at every third course of haif brick masonry.	sqm	3	113.6	340.8
	25				0
6.47a	providing 250mm wide brick drain in cement mortar 1:6 with av 150mm clear depth and 250mm apron including cost of e/w but excluding carrige cost of bricks sand and jhama metal.	m	0	1087.9	0
	wood & pvc work				0
	26				0
9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :				0
9.1.1	Second class teak wood	m3	0.13	120526.6	15668.458
	27				0

11.9675017

	9.2	providing and fixing ISI marked flush door shutters conforming to IS: 2202					0
		(part I) Decorative type ,core block board construction with frame of					0
		1st class hard wood and well matched teak 3 ply veneering with vertical					0
		grains or cross band and face veneers on both faces of shutters					0
9.20.1		35mm thick including ISI marked stainless steel butt hinges with					0
		necessary screws.					0
	28		sqm	5.2	2845.6		14797.12
	9.53	providing 40x5 mm flat iron hold fast 40cm long including fixing to frame					0
		with 10					0
		mm diameter bolts nuts and wooden plugs and embeddings in cement					0
		concrete block 30x10x15cm 1:3:6	each	12 64	130.8		237.6 1569.60
	29						0
		providing and fixing aluminium tower bolts ISI marked anodised (anodic					0
		coating not less than grade AC 10 as per IS 1868) transparent of dyed to					0
		required colour or shade with necessary screws etc. complete					0
9.97.1		300x10mm	each	2	111.4		222.8
9.97.4		250x10mm	each	2	98.2		196.4
	30						0
		providing and fixing aluminium sliding door bolts ISI marked anodised					0
		(anodic					0
		coating not less than grade AC 10 as per IS 1868) transparent of dyed to					0
		required colour or shade with necessary screws etc. complete					0
9.96.1		300x16mm	each	2	235.5		471
9.218.2		250x16mm	each	2	210.1		420.2
	31						0
		providing and fixing aluminium handles ISI marked anodised (anodic					0
		coating not less than grade AC 10 as per IS 1868) transparent of dyed to					0
		required colour or shade with necessary screws etc. complete					0
9.100.1		125mm	each	2	57.1		114.2
9.222.2		100mm	each	2	50.3		100.6
	32						0
9.101		providing and fixing aluminium hanging floor door stopper ISI marked					0
		anodised (anodic					0

9.865=09

9.101.2	33	coating not less than grade AC 10 as per IS 1868) transparent of dyed to required colour or shade with necessary screws etc. complete twin rubber stopper each	each	2	60.8	0
9.48.1	34	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.	kg	270	144.5	121.6
10.3	35	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia, steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	m2	0	6303.4	0
10.33.2	36	providing and fixing hand rail of approved size by welding etc to steel ladder railing balcony railing, staircase railing and similar works including applying priming coat of approved steel primer.	kg	0	121.9	0
10.11	37	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and rivetted with 15x3mm lugs, 10cm long, 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 hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of other fittings except necessary hinges or pivots complete as per approved design. (Sectional weight of only steel members shall be measured for payment without weight of glass and other fittings).	m2	0	3435.6	0
MR	38	Providing and fixing aluminium Work---	sft	108	7.50	0
i)	38	Door & Window Frame and fixed person Etc work Completed Job.	sft	108	16.50	0
ii)	38	shutter or all fittings works completed job.	sft	108	16.50	0
10.17	39	providing and fixing ms fan clamptype 1 to 16 mm	each	1	174.6	0

48600 = 48600
 16200 = 16200
 6980 = 40 RT

10.33.3

G.I. Pipes 40mm nominal bore (class B)

KG

0

150

Flooring work

40

11.72 Providing Designation 100A one Brick flat Solling Joints filled with local Sand including cost of watering taxes royalty all complete as per building specification and direction of E/I

m2

37.17

283.3

10530.251

41

8.2.2.1

providing and fixing Grinate stone flooring with 18mm thick marble stone over 20 mm thick base of cement mortar 1:4 laid and jointed with grey cements slurry including rubbing and polishing complete with rajnagar plain white marble

m2

3

4242.9

12728.7

11.23.1

42

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 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.

m2

37

1638.8

60635.8

11.41.2

43

Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.

m2

18.58

795

14771.1

11.36

bath room

44

Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (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 Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.

m2

50
φ

862.4

4312.22

45

11.26



10,37,477 = 75

Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.

m2

0

1252.7

0

Finishing work

46

13.11 12 mm cement plaster of mix :
1:4 (1 cement : 4 fine sand)

m2

130.11

152.9

19893.819

47

13.12.2 15 mm cement plaster on the rough side of single or half brick wall of mix :
1:4(1 cement : 4 fine sand)

m2

111.52

176.4

19672.128

48

13.13 20 mm cement plaster on the rough side of single or half brick wall of mix :
1:4 (1 cement : 4 fine sand)

m2

25

209.9

5247.5

49

13.24.1 6 mm cement plaster on the rough side of single or half brick wall of mix :
1:4 (1 cement : 4 fine sand)

m2

5

125.6

628

50

13.36.3 Extra for providing and mixing water proofing material in cement par bag
of plaster work in proportion recommended by the manufacturers.

sqm

241.63

10.3

2433.789

51

13.40.a providing and applying plaster of jk wall putty
of 2mm thick over plastered surface to pre-
pare the surface even and smooth complete.

m2

241.63

127.9

30904.477

52

13.77 Distemping with oil bound washable distemper of approved brand and manufacture to give
an even shade

m2

0

102.3

13.77.2

New work (two or more coats) over and including priming coat with cement primer.

53

13.82b • 2 Finishing with Epoxy paint (two or more coats) at all locations prepared and
applied as per manufacturer's specifications including appropriate priming
coat, preparation of surface, etc. complete.

m2

241.63

122.70
120.5

29548.00
451.67

54	13.81.1	Applying primer coat with ready mix pink on wooden surface of approved brand and manufacture on wooden work	m2	12	39.7	476 = 40
55	13.81.3 13.81.3	with ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel work	m2	20	34.60	692 = 40
56	13.82.1	Painting with synthetic enamel paint of approved brand and manufacture of required color to give an even shade two more coats new work over wooden and steel work	m2	40	118.5	4660 = 40
57	12.78	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes	meter	10	257.5	2575 = 40
58	12.79	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
		Single tee with door	nos	1	193.4	193.4
		110 coupler	nos	2	120	240
		110 mm bend	nos	1	132	132
		110mm shoe plain	nos	1	115.95	115.95
		single pushfit coupler	nos	1	374.6	374.6
		single tee with out door	nos	1	193.4	193.4
59	12.8	110mm pvc clip	nos	10	182.72	1827.2
60	22.3	providing and layaing water proffing work doun slab commpleted job	sqm	0	458.8	0
61	22.8	grading roof water proffing completed job.	sqm	0	809	0
62						0

(Signature)
Date

B. 11, 54, 951 = 63

Boring providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in cement concrete piles with mix 1:1.5:3 ----- to carry a safe working load not less than specified, excluding the cost of steel reinforcement but---- (length of pile for payment shall be measured up to the bottom of pile cap)

20.2.1
~~20.3.1~~

300 mm dia piles

63

m

45
~~25~~

902.60
~~2074~~

40617
~~20000~~

20.4 Extra over item no. ~~20.3~~ ^{20.2.1} for boring providing and installing cast in situ double under reamed piles, instead of single under ream of specified diameter and length (only the quantity of extra bulbs are to be paid)

64

nos

9
~~5~~

1621.60
~~1455.8~~

14595.90
~~2152.8~~

23.2.5
ns 20.3A.1

Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand augar of----- approved design and direction of e/i.

65

m

10
~~8~~

178.30
~~167.5~~

1783=000
~~167.5~~

20.3A.2
~~23.2.6~~

63 cm (25) under reem making cm (25) dia under ream at required with hand augar or approved quality in ordinary soil ----- stage of operation and disposal of the excavation earth up to 50 mtr, lead in eluding all lifts all complete as per approved design and direction of E/I

nos

16
~~8~~

190.20
~~178.8~~

3043=000
~~178.8~~

66 S.R extra carriage of material

m3

51

310.47

15833.97

a local sand

m3

30.11

1031.54

31059.6694

b sone sand

m3

24.84

3831.18

95166.5112

c stone chips

nos

11741 1140.59 %0

13384

d bricks

bag

390

25.9

10101

Cement

ton

3

512.96

1538.88

reinforcement

67 S.R extra cost difference of material of ..

nos

11741 1606.89%0

18785

a bricks

bag

390

13.27

5175.3

b Cement

B. 14,06,033 = II
~~13,63,900 = 00~~

(A) SAY Rs.....

electrification & water supply and sanitary Work.

B. 90,000 = 00
~~1,30,000 = 00~~
B. 14,96,033 = II
~~11,93,900 = 00~~

Total amount

Part - 'D'

[Signature]

SAY, Rs,

14,96,000 = II