

Estimate for the work of Vocational Building with Staff Quarter at Nistarini College Campus, Desh Bandhu Road, Purulia

Rate Adopted (As per P.W.D. Building Scheduled effect from 01.11.2017)

Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
1	P-11 It-10	Stripping off worn out plaster and raking out joints etc.	90.00	Sq.M	19.00	1710.00
2	P-26 It-10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any (i) Parker variety	3.00	Cu.M.	6010.55	18031.65
3	P-189 It-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off corners etc. (ii) With 1:4 cement mortar (a) 15 mm thick Drain, Approx, dado etc.	90.00	Sq.M	149.00	13410.00
4	P-212 It-21	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes etc. (a) UPVC Pipes (i) 110 mm dia	35.00	Metre	251.00	8785.00
5	P-198 It-01	Scraping of moss, blisters etc.thoroughly from exterior surface of wall etc. Academy & Geography Building	1360.00	Sq.M	7.00	9520.00
6	P-187 It-15	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly etc.- 2 Coats	600.00	Sq.M	49.00	29400.00
		Ground Floor				
		1st Floor	760.00	Sq.M	49.71	37779.60
7	P-200 It-2	Painting with best quality synthetic enamel paint of approved make and brand etc.	400.00	Sq.M	81.00	32400.00
		(a) On timber or plastered surface with super gloss (hi-gloss)-2 Coats				
		(b) On steel or other metal surface with super gloss (hi-gloss)-2 Coats	200.00	Sq.M	79.00	15800.00
Sub-Total Cost-A					Rs.	166836.25
Add GST @ 12%- (B)						20020.00
Cost of Civil Work Excluding Labour Welfare Cess -C=(A+B)						186856.25
Add labour welfare cess @ 1% (D)						1868.00
Cost of Civil Work including Labour Welfare @ 1% (D)						188723.00
Total Rs.						188723.00
(Rupees One Lakh Eighty Eight Thousand Seven Hundred Twenty Three only)						

M. DUTTA
S.A.E. (Retd.) P.W.D. (C.B.)
Nistarini College Purulia

Principal
Nistarini College, Purulia

District Engineer
Purulia Zilla Panshad

Estimate for work of Extension of Dining Room-7 No. Quarter at Nistarini College Campus, Desh Bandhu Road, Purulia						
(Rate Adopted (As per P.W.D. Building Scheduled effect from 01.11.2017))						
Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
1.	P-10 It-1	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed Old Wall- $3 \times 10'-0" \times 0'-10" \times 4'-0" = 273.90 \text{ sft. or } 7.75 \text{ m}^3$	7.75m ³	Cu.M.	447.00	3464.00
2.	P-11 It-8	Taking out carefully G.C.I. or C.I. or asbestos sheets (including ridges etc.) $1 \times 10'-0" \times 11'-0" = 110.00 \text{ sft. or } 10.22 \text{ m}^2$	10.22m ²	Sq.M.	41.00	419.00
3.	P-1 It-2	Earth work in excavation of foundation trenches or drains, etc. (a) Depth of excavation not exceeding 1,500 mm. $1 \times 23'-0" = 23'-0" \text{ sft.}$ $2 \times 11'-0" = 22'-0" \text{ sft.}$ $45'-0" \times 2'-6" \times 3'-0" = 337.50 \text{ sft. or } 9.55 \text{ m}^3$	9.55m ³	Cu.M.	119.27	1139.00
4.	P-2 It-4	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm etc. for wall- $1 \times 45'-0" \times 2'-6" \times 0'-4" = 37.13 \text{ cft.}$ for floor- $1 \times 23'-0" \times 10'-0" \times 0'-9" = 14.32 \text{ cft.}$ $51.45 \text{ cft. or } 1.46 \text{ m}^3$	1.46m ³	Cu.M.	487.41	712.00
5.	P-14 It-1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed for wall- $1 \times 45'-0" \times 2'-6" = 112.50 \text{ cft.}$ For floor- $1 \times 23'-0" \times 10'-0" = 230.00 \text{ cft.}$ $342.50 \text{ cft. or } 31.82 \text{ m}^2$	31.82m ²	Sq.M.	264.00	10148.00
6.	P-34 It-22	Cement concrete with graded stone ballast (40 mm size excluding shuttering) (A) Pakur Variety] (a) 1:3:6 proportion For wall- $1 \times 45'-0" \times 2'-6" \times 0'-4" = 37.13 \text{ cft.}$ For floor- $1 \times 23'-0" \times 10'-0" = 75.90 \text{ cft.}$ $113.03 \text{ cft. or } 3.19 \text{ m}^3$	3.19m ³	Cu.M.	4672.00	14904.00
7.	P-2 It-4	Brick work with 1st class bricks in cement mortar (1:4) (a) In foundation and plinth $1 \times 45'-0" \times 2'-1" \times 0'-6" = 26.80 \text{ cft.}$ Upto G.L.- $1 \times 45'-0" \times 1'-8" \times 0'-6" = 37.58 \text{ cft}$ $1 \times 45'-0" \times 1'-3" \times 0'-6" = 28.12 \text{ cft}$ Upto P.L.- $1 \times 45'-0" \times 0'-10" \times 1'-0" = 37.35 \text{ cft}$ $129.86 \text{ cft. or } 3.68 \text{ m}^3$	3.68m ³	Cu.M.	4211.00	15496.00
		(b) In superstructure, ground floor $1 \times 45'-0" \times 0'-10" \times 9'-6" = 336.55 \text{ cft.}$ Less with- $2 \times 6'-0" \times 0'-10" \times 4'-0" = (-) 39.84 \text{ cft.}$ $296.81 \text{ cft. or } 9.40 \text{ m}^3$	9.40m ³	Cu.M.	4434.00	37246.00
8.	P-16 It-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor Building Ver. Side- $1 \times 15'-0" \times 4" = 60.00 \text{ sft.}$ Middle Portion on wall- $1 \times 10'-0" \times 9'-0" = 90.00 \text{ sft.}$ $150.00 \text{ sft. Or } 13.94 \text{ m}^2$	13.94m ²	Sq.M.	588.00	8197.00
9.	P-26 It-10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, (A) Pakur Variety For Lintel- $1 \times 45'-0" \times 0'-4" \times 0'-6" = 18.68 \text{ sft.}$ Over P. Wall beam- $1 \times 10'-0" \times 0'-10" \times 0'-10" = 6.88 \text{ cft.}$ For roof- $1 \times 23'-0" \times 11'-0" \times 0'-4" = 83.49 \text{ cft.}$ 109.50 cft. $\text{or } 3.08 \text{ m}^3$	3.08m ³	Cu.M.	6010.55	18512.00

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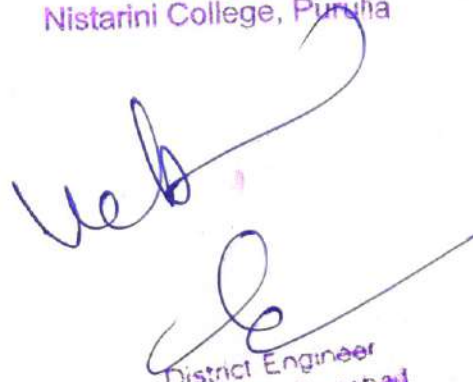
Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
10.	P-42 It-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m etc. Sides for lintel- $2 \times 45'-0'' \times 0'-6'' = 45.00$ sft. Sides of beam- $2 \times 10'-0'' \times 0'-10'' = 16.60$ sft. For roof- $1 \times 23'-0'' = 230.00$ sft. Roof sides- $1 \times 23'-0'' = 23'-0''$ $2 \times 10'-0'' = 20'-0''$ $43'-0'' \times 0'-4'' = 14.19$ sft. 305.79 sft. Or 28.40m ²	28.40m ²	Sq.M.	324.00	9202.00
11.	P-43 It-40	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel. Total volume of concrete=3.08m ³ Reinforcement @ 11.10% per m ³ =0.034m ³ @7.85 m/t per m ³ =0.2669m/t	0.2669 m/t	M/T	58103.00	15508.00
12.	P-48 It-6	Artificial stone in floor, dado, staircase etc. (ii) 25 mm. thick floor- $1 \times 23'-0'' \times 10'-0'' = 230.00$ sft. Or 21.36m ²	21.36m ²	Sq.M.	258.00	5511.00
13.	P-189 It-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar (1:6) etc. (i) With 1:6 cement mortar (c) 15 mm thick plaster. Outside wall- $1 \times 45'-0'' \times 11'-0'' = 495.00$ sft. Or 45.48m ²	45.48m ²	Sq.M.	131.00	5958.00
		19 mm thick Inside wall- $1 \times 43'-0'' \times 10'-0'' = 430.00$ sft. Or 39.95m ²	39.95m ²	Sq.M.	151.00	6032.00
		(ii) with 4:1 cement mortar (c) 10 mm thick $1 \times 23'-0'' \times 10'-0'' = 230.00$ sft. Or 21.36m ²	21.36m ²	Sq.M.	121.00	2584.00
14.	P-192 It-16	Neat cement punning in wall dado window still floor, drain etc. Outside- $1 \times 45'-0'' \times 2'-0'' = 90'-0''$ sft. Inside- $1 \times 43'-0'' \times 1'-0'' = 43.00$ sft. 133.00 sft. Or 12.36m ²	12.36m ²	Sq.M.	34.00	420.00
15.	P-137 It-15	Applying decorative cement based paint of approved quality of the preparing the surface etc. 2 coats Are same plaster outside wall-45.48m ²	45.48m ²	Sq.M.	49.00	2229.00
16.	P-198 It-1	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty etc. Area same as plaster inside wall=39.95+21.36=61.3m ² Less dado- $1 \times 43'-0'' \times 7'-0'' = 43.00$ sft. Less window- $1 \times 6'-0'' \times 4'-0'' = 24.00$ sft. 67.00 sft. Or (-)6.22m ² 55.09m ²	55.09m ²	Sq.M.	122.00	6721.00
17.	P-233 It-1	Supplying profiles of required section made of Aluminium door and windows etc. (A) In 10-12 Micron thick ness etc. a) 2- track sliding window i) Bottom frame- $1 \times 1.00 = 1.00$ metre	1.00	Metre	218.00	218.00
		ii) Top and side frame- $1 \times 1.00 = 1.00$ metre $2 \times 1.20 = 2.40$ metre Total= 3.40 metre	3.40	Metre	195.00	663.00
		d) Shutter for all track sliding window. i) Bottom & Top member- $2 \times 1.00 = 2.00$ metre	2.00	Metre	117.00	234.00
		ii) Style side member- $4 \times 1.20 = 4.80$ metre	4.80	Metre	119.00	571.00

Contd.P-2

Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
18.	P-239 It-2	Labour charge for fabrication and installation of composite door, window, partitions etc. (A) Glazed aluminium sliding windows etc. i) 2 track sliding window.-1X1.00X1.20=1.20m ²	1.20m ²	Sq.M.	696.00	835.00
19.	P-242 It-6	Supplying fitting & fixing PVC rollers for sliding windows	4 nos	Each	14.00	56.00
20.	P-242 It-7	Supplying maruti lock (100mm)	2 nos	Each	46.00	92.00
21.	P-243 It-9	Supplying bubble free float glass of approved make and brand etc. iii) 5mm thick clear glass. 1X1.00X1.20=1.20m ²	1.20m ²	Sq.M.	526.00	631.00
22.	P-104 It-13	M.S. or W.I. Ornamental grill of approved design joints continuously etc. (ii) Grill weighing above 16 Kg./sq.mtr and above 1X1.00X1.20=1.20m ² @ 16 kg/m ² =19.20 kg	19.20kg	K.G.	72.38	1390.00
Total						169092.00
Add GST 12% (+)						20291.00
						189383.00
Add Labour Cess 1% (+)						1894.00
Grand Total						191277.00
Rupees One Lakh Ninety One Thousand Two Hundred Seventy Seven only						

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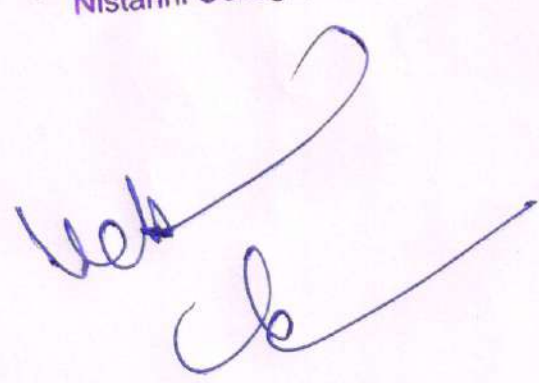
Abstract for Cost

A.	Structural Cost including (GST + Labours Cess)	::	Rs. 1,91,277/-
B.	Plumbing Works including (GST + Labours Cess)	::	Rs. 10,000/-
C.	Electrification Works including (GST + Labours Cess)	::	<u>Rs. 5,000/-</u>
Total		::	Rs. 2,06,277/-

(Rupees Two Lakh Six Thousand Two Hundred Seventy Seven) Only

M. D. 11/5
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Estimate for the work of Special repairs to Library Building and Mathametics Department at Nistarini College Campus, Desh Bandhu Road, Purulia

Rate Adopted (As per P.W.D. Building Scheduled effect from 01.11.2017)

Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
1	P-10 It-2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed (a) upto 150 mm. thick	4.00	Cu.M.	939.00	3756.00
2	P-11 It-10	Stripping off worn out plaster and raking out joints etc.	175.00	Sq.M	19.00	3325.00
3	P-26 It-10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any (i) Parker variety	4.00	Cu.M.	6010.55	24042.20
4	P-42 It-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved. Props	50.00	Sq.M	324.00	16200.00
5	P-43 It-40	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc	0.30	M.T.	58103.00	17430.90
6	P-189 It-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off corners etc. (ii) With 1:4 cement mortar (a) 15 mm thick Drain, Approx, dado etc.	175.00	Sq.M	149.00	26075.00
7	P-212 It-21	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes etc.	40.00	Metre	251.00	10040.00
8	P-198 It-01	Scraping of moss, blisters etc.thoroughly from exterior surface of wall etc. Academy & Geography Building	4100.00	Sq.M	7.00	28700.00
9	P-187 It-15	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly etc.- 2 Coats	1400.00	Sq.M	49.00	68600.00
		Ground Floor				
		1st Floor	1050.00	Sq.M	49.71	52195.50
		2nd Floor	1650.00	Sq.M	50.42	83193.00
10	P-200 It-2	Painting with best quality synthetic enamel paint of approved make and brand etc.	660.00	Sq.M	81.00	53460.00
		(a) On timber or plastered surface with super gloss (hi-gloss)-2 Coats				
		(b) On steel or other metal surface with super gloss (hi-gloss)-2 Coats	422.00	Sq.M	79.00	33338.00
11	P-197 It-17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification etc.- 2 Coats (b) Premium 100% Acrylic Emulsion	230.00	Sq.M	84.00	19320.00
Sub-Total Cost-A					Rs.	439675.60
Add GST @ 12% (B)						52761.00
Cost of Civil Work Excluding Labour Welfare Cess -C=(A+B)						492436.60
Add labour welfare cess @ 1% (D)						4924.37
Cost of Civil Work including Labour Welfare @ 1% (D)						497360.97
Total Rs.						497361.00
(Rupees Four Lakh Ninety Seven Thousand Three Hundred Sixty One only)						

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Estimate for the work of Repair to Academy Building and Geography Building at Nistarini College Campus, Desh Bandhu Road, Purulia

Rate Adopted (As per P.W.D. Building Scheduled effect from 01.11.2017)

Sl. No.	Page No.	Description of items	Qty.	Unit	Rate in Rs.	Amount in Rs.
1	P-10 It-2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed (a) upto 150 mm. thick	5.00	Cu.M.	939.00	4695.00
2	P-11 It-10	Stripping off worn out plaster and raking out joints etc.	160.00	Sq.M	19.00	3040.00
3	P-26 It-10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any (i) Parker variety	5.00	Cu.M.	6010.55	30052.75
4	P-42 It-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved. Props	60.00	Sq.M	324.00	19440.00
5	P-43 It-40	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc	0.30	M.T.	58103.00	17430.90
6	P-189 It-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off corners etc. (ii) With 1:4 cement mortar (a) 15 mm thick Drain, Approx, dado etc.	160.00	Sq.M	149.00	23840.00
7	P-212 It-21	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes etc.	50.00	Sq.M	251.00	12550.00
8	P-198 It-01	Scraping of moss, blisters etc.thoroughly from exterior surface of wall etc. Academy & Geography Building	4500.00	Sq.M	7.00	31500.00
9	P-187 It-15	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly etc.- 2 Coats	1400.00	Sq.M	49.00	68600.00
		Ground Floor				
		1st Floor	1050.00	Sq.M	49.71	52195.50
		2nd Floor	1650.00	Sq.M	50.42	83193.00
10	P-200 It-2	Painting with best quality synthetic enamel paint of approved make and brand etc.	747.00	Sq.M	81.00	60507.00
		(a) On timber or plastered surface with super gloss (hi-gloss)-2 Coats				
		(b) On steel or other metal surface with super gloss (hi-gloss)-2 Coats	419.93	Sq.M	79.00	33174.47
Sub-Total Cost-A					Rs.	440218.62
Add GST @ 12%- (B)						52826.00
Cost of Civil Work Excluding Labour Welfare Cess -C=(A+B)						493044.62
Add labour welfare cess @ 1% (D)						4930.45
Cost of Civil Work including Labour Welfare @ 1% (D)						497975.07
Total Rs.						497976.00
(Rupees Four Lakh Ninety Seven Thousand Nine Hundred Seventy Six only)						

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