

**Estimate for Repair & renovation works of Helencha Central Hostel, Bagdah for SC Boys under  
Bagdah Block, District- North 24\_Parganas of Backward Classes Welfare Department  
(As per PWD Schedule of Rates w.e.f. 01.11.2017)**

Sl. No.	Description of Items	Quantity	Unit	Rate (in Rs.)	Amount (in Rs.)
1	<u>P.No.10., I.No.2</u> Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m. In ground floor including roof				
	(a) up to 150 mm. thick:- $1 \times 1.700m \times 1.700m \times 0.150m = 0.433 \text{ CuM}$ $1 \times 1.100m \times 1.200m \times 0.150m = 0.198 \text{ CuM}$ <u>0.631 CuM</u>	0.631 CuM	CuM	939.00	592.51
	(b) above 150 mm. thick:- $1 \times 1.700m \times 1.700m \times 0.240m = 0.694 \text{ CuM}$ $1 \times 1.100m \times 1.200m \times 0.250m = 0.330 \text{ CuM}$ <u>1.024 CuM</u>	1.024 CuM	CuM	1417.00	1451.01
2	<u>P.No.15., I.No.7</u> Brick work with 1st class bricks in cement mortar (1:4) In 1 <sup>st</sup> Floor:-				
	Base of Water Tank:- $3 \times 1.700m \times 0.250m \times 0.275m = 0.351 \text{ CuM}$ $3 \times 1.200m \times 0.250m \times 0.275m = 0.247 \text{ CuM}$ <u>0.598 CuM</u>	0.598 CuM	CuM	6016.00	3597.57
3	<u>P.No.26., I.No.10</u> Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety				
	In 1 <sup>st</sup> Floor Base Slab of Water Tank:- $1.700m \times 1.700m \times 0.125m = 0.361 \text{ CuM}$ $1.100m \times 1.200m \times 0.125m = 0.165 \text{ CuM}$ <u>0.526 CuM</u>	0.526 CuM	CuM	6595.27	3469.11
4	<u>P.No.43., I.No.40</u> Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel II. Other than SAIL/ TATA/RINL				
	Base Slab of Water Tank:- $1.50\% \times 0.526 \text{ CuM} \times 78.50 \text{ Qntl} = 0.619 \text{ Qntl} = 0.062 \text{ MT}$	0.062 MT	MT	60580.00	3755.96
5	<u>P.No.189., I.No.1</u> Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary. (i) With 1:6 cement mortar (c) 15 mm thick plaster				
	Base of Water Tank:- $3 \times 2 \times 1.700m \times 0.400m = 4.080 \text{ SqM}$ $3 \times 2 \times 1.200m \times 0.400m = 2.880 \text{ SqM}$ $1.700m \times 1.700m = 2.890 \text{ SqM}$ $1 \times 1.700m \times 0.125m = 0.212 \text{ SqM}$ $1.200m \times 1.100m = 1.320 \text{ SqM}$ $2 \times 1.100m \times 0.125m = 0.275 \text{ SqM}$ <u>11.657 SqM</u>	11.657 SqM	SqM	151.00	1760.21

6	<u>P.No.192., I.No.15</u> Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc.					
	Base of Water Tank:- 3 x 2 x 1.700m x 0.400m=4.080SqM 3 x 2 x 1.200m x 0.400m=2.880 SqM 1.700m x 1.700m=2.890 SqM 1 x 1.700m x 0.125m=0.212 SqM 1.200m x 1.100m=1.320 SqM 2 x 1.100m x 0.125m=0.275 SqM 11.657SqM	11.657SqM	SqM	34.00	396.34	
7	<u>P.No.81., I.No.9</u> Galvanised corrugated iron sheet work (excluding the supporting frame work) fitted and fixed with 10 mm. dia J or L hook-bolts, limpet and bitumen washers and putty complete with 150 mm. end lap and one corrugation minimum side lap. (Payment to be made on area of finished work)(GCI sheet to be supplied by contractor)					
	(i) In Roof:- b) With 0.63 mm thick sheet- 3.000m x 6.500m=19.500 SqM	19.500 SqM	SqM	644.00	12558.00	
8	<u>P.no.205., I.no.1</u> Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall)					
	(ii) 4 mm thick In Ground Floor:- 2 x 0.400m x 0.350m=0.280 SqM	0.280 SqM	SqM	536.00	150.08	
9	<u>P.no.114., I.no.1</u> Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals). (d) Sal : Local					
	1 <sup>st</sup> Floor Stair Door:- 0.950m x 0.075m x 0.075m=0.005 CuM 2 x 2.125m x 0.075m x 0.075m=0.024 CuM 0.029 CuM	0.029 CuM	CuM	77871.00	2258.26	
10	<u>P.no.117., I.no.1</u> Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings					
	(iii) 35mm thick shutters with 19mm thick panel of size 30 to 45 cm. (b) Sishu, Gamar, Champ, Badam, Bhola, Mogra, Hallak					
	1 <sup>st</sup> Floor Stair Door:- 0.800m x 2.125m=1.700 SqM	1.700 SqM	SqM	3148.00	5351.60	
11	<u>P.no.140., I.no.5</u> Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.					
	(iv) 75mm. X 47mm. X 1.70mm.- 6 nos	6 nos	Each	31.00	186.00	
12	<u>P.no.141., I.no.8</u> Iron socket bolt of approved quality fitted and fixed complete					
	(b) 100mm long x 10mm dia bolt.- 1 no	1 no	Each	40.00	40.00	
13	<u>P.no.145., I.no.30</u> Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:					
	(a) With continuous plate base (Hexagonal/ Round rod) (ii) 100 mm grip x 10 mm dia rod.- 2 nos	2 nos	Each	69.00	138.00	
14	<u>P.no.200., I.no.2</u> A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary					

	(a) On timber or plastered surface :				
	With super gloss (hi-gloss) -				
	(iv) Two coats (with any shade except white)				
	0.950m x 2.200m x 3.60= 7.524SqM	7.524SqM	SqM	81.00	609.44
15	<u>P.no.37., I.no.6(S&amp;P Schedule)</u> Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer				
	(b) 1000 litre capacity- 1 no	1 no	each	5128.00	5128.00
	(d) 2000 litre capacity- 1 no	1 no	each	10434.00	10434.00
16	<u>P.no.212., I.no.21</u> Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complet				
	A) UPVC Pipes:- (ii) 110 mm. Dia.-50.000m	50.000m	Metre	251.00	12550.00
	B) UPVC Fittings:				
	a) Plain Tee:- (ii) 110 mm. Dia.- 16 nos	16 nos	Nos	172.00	2752.00
	d) Shoe:- (ii) 110 mm. Dia.-16 nos	16 nos	Nos	111.00	1776.00
17	<u>P.no.12., I.no.19(I) (S&amp;P Schedule)</u> Supplying, fitting and fixing PVC pipes of approved make of <b>Schedule 80(medium duty)</b> conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. Payment for painting will be made seperately)				
	<b>(a) For Exposed Work</b> <b>PVC Pipes</b>				
	40 mm Dia Pipe- 42.000m	42.000m	metre	292.00	12264.00
	25 mm Dia Pipe-190.000m	190.000m	metre	177.00	33630.00
	15 mm Dia Pipe-15.000m	15.000m	metre	101.00	1515.00
18	<u>P.no.5., I.no.5 (S&amp;P Schedule)</u> Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only).				
	(v) 40 mm dia- 7nos	7 nos	each	1590.00	11130.00
19	<u>P.no.6., I.no.7 (S&amp;P Schedule)</u> Supplying, fitting and fixing bib cock or stop cock.				
	(e) PTMT (Polytetra Bib Cock / Stop Cock ( Prayag or equivalent) 15 mm- 24nos	24 nos	each	154.00	3696.00
20	<u>P.no.43., I.no.9 (S&amp;P Schedule)</u> Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia.				
	(iii) 600 mm long-14 nos	14 nos	each	107.00	1498.00
21	<u>P.no.45., I.no.19 (S&amp;P Schedule)</u> Supplying, fitting and fixing pillar cock of approved make				
	b) PTMT Pillar Cock - 15 mm. (Prayag or equivalent)- 7 nos	7 nos	each	222.00	1554.00
22	<u>P.no.3., I.no.3 (S&amp;P Schedule)</u> Supplying, fitting and fixing shower of approved brand and make				

