

PROPOSED ESTIMATE FOR REPAIR RENOVATION OF COLLEGE BUILDING INCLUDING ALL PIPE ARRANGEMENT ,PAINTING & LANDSCAPEING WITH BEAUTIFICATION UNDER CITY COLLEGE, ANANDAMOHAN COLLEGE AND RAMMOHAN COLLEGE

RATES ARE COLLECTED FROM WBPWD SCHEDULE OF RATE 2017

Sl. No.	Description of Items	Sum Qty	Unit	Rate	Amount
SECTION 1. -----BUILDING WORKS					
1	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed	8160.00	sqm	19.00	1,55,040.00
2	Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification [Cement to be supplied by the Department]	816.00	sqm	88.00	71,808.00
3	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 (Ground floor).[Excluding cost of chipping over concrete surface.				-
	With 1:4 cement mortar b) 10mm thick plaster CEILING				
	(A) AT GROUND FLOOR	350.00	SqM	129.00	45,150.00
	(B) AT FRIST FLOOR	350.00	SqM	133.00	46,550.00
	(C) AT SECOND FLOOR	350.00	SqM	137.00	47,950.00
	(D) AT THIRD FLOOR	350.00	SqM	141.00	49,350.00
	With 1:4 cement mortar b) 15mm thick plaster INSIDE				
	(A) AT GROUND FLOOR	1,521.00	SqM	161.00	2,44,881.00
	(B) AT FRIST FLOOR	1,521.00	SqM	165.00	2,50,965.00
	(C) AT SECOND FLOOR	1,521.00	SqM	169.00	2,57,049.00
	(D) AT THIRD FLOOR	1,521.00	SqM	173.00	2,63,133.00
	With 1:4 cement mortar a) 20mm thick plaster OUTSIDE				
	(A) AT GROUND FLOOR	169.00	SqM	186.00	31,434.00
	(B) AT FRIST FLOOR	169.00	SqM	190.00	32,110.00
	(C) AT SECOND FLOOR	169.00	SqM	194.00	32,786.00
	(D) AT THIRD FLOOR	169.00	SqM	198.00	33,462.00
4	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick)				
	(A) AT GROUND FLOOR	-	SqM	122.00	-
	(B) AT FRIST FLOOR	80.00	SqM	122.72	9,817.60
	(J) WHITE WASH, COLOUR WASH, DISTEMPER				
5	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint	5,850.00	Sqm	21.00	1,22,850.00
6	Removing old scales, blisters etc. of interior surface of walls,ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	15,600.00	sqm	10.17	1,58,652.00
7	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In ground floor including roof. (a) upto 150 mm. thick	10.00	cum	939.00	9,390.00
8	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	30.00	cum	166.00	4,980.00

9	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-in-charge. (This item should be executed only after prior approval of the Engineer-in-charge). Firstly, one number to be paid and then labour rate for shifting up to further nineteenth (19) times @ 10% each time to be considered. If necessary further after twenty times of total use, another one number new and labour rate for shifting to be considered accordingly. a) 3.90 metre height	150.00	Each	279.00	41,850.00
10	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts), reassembling and refitting and rehanging same with old fittings but with new screws as necessary. (Where different parts of same shutter are renewed under different item, payment under item 73 will be made once only). (b) Above area 2.5 Sq.m	225.00	sqm	146.00	32,850.00
11	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) In Ground Floor (B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 - 1990. (ii) Both side decorative laminate (b) Interior Grade 12mm thick	58.50	sqm	1083.00	63,355.50
12	Glazed shutters of doors, windows, fan light, clerestory windows etc. as per design (with ordinary glass of 7.4kg./sq.m. 3mm. Thick) fitted with putty bed and teak wood bead and nails including fitting and fixing shutter in position but excluding the cost of hinges and other fittings. cost of glass, putty, wooded beads etc. will be paid separately. In ground floor. (i) 40mm thick shutters. (b) Sishu, Gamar, Champ, Badam, Bholra, Mogra, Hallak.	112.50	sqm	2887.00	3,24,787.50
13	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. (ii) 4mm thick coloured / tinted / smoke glass.	150.00	sqm	468.00	70,200.00
14	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS: 814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc. I) For structural members of specified sections weighing less than 22.5 Kg./m	5.00	MT	72603.00	3,63,015.00
15	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	2.00	Cum	6800.00	13,600.00
16	Supplying, fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top, bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, anodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Anodizing film Natural white	307.00	KG	448.00	1,37,536.00

17	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC.				-
	i) Water based interior grade Acrylic Primer,(b) One Coats				-
	(A) AT GROUND FLOOR	3,900.00	SqM	30.80	1,20,120.00
	(B) AT FRIST FLOOR	3,900.00	SqM	30.80	1,20,120.00
	(C) AT SECOND FLOOR	3,900.00	SqM	30.80	1,20,120.00
	(D) AT THIRD FLOOR	3,900.00	SqM	30.80	1,20,120.00
19	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC.[This item to be done under specific instruction of the Superintending Engineer]				
	(b) Two Coats				
	(A) AT GROUND FLOOR	1,462.50	SqM	45.10	65,958.75
	(B) AT FRIST FLOOR	1,462.50	SqM	45.82	67,011.75
	(C) AT SECOND FLOOR	1,462.50	SqM	46.54	68,064.75
	(D) AT THIRD FLOOR	1,462.50	SqM	47.26	69,117.75
	(K) PAINTING, VERNISHING ETC.				
20	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats)				
	ii) Standard Quality (Two coats)				
	(A) AT GROUND FLOOR	3,900.00	SqM	62.00	2,41,800.00
	(B) AT FRIST FLOOR	3,900.00	SqM	76.00	2,96,400.00
	(C) AT SECOND FLOOR	3,900.00	SqM	76.00	2,96,400.00
	(D) AT THIRD FLOOR	3,900.00	SqM	76.00	2,96,400.00
21	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. The items to be selected only with written permission of Superintending Engineer for very resticted and small areas of a building				
	b) Premium 100% Acrylic Emulsion				
	(A) AT GROUND FLOOR	1,462.50	SqM	87.00	1,27,237.50
	(B) AT FRIST FLOOR	1,462.50	SqM	87.72	1,28,290.50
	(C) AT SECOND FLOOR	1,462.50	SqM	88.44	1,29,343.50
	(D) AT THIRD FLOOR	1,462.50	SqM	89.16	1,30,396.50
	PAINTING ON STEEL				
22	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.				
	(A) AT GROUND FLOOR	765.00	SqM	29.00	22,185.00
	(B) AT FRIST FLOOR	775.20	SqM	31.00	24,031.20
	(C) AT SECOND FLOOR	816.00	SqM	31.00	25,296.00
	(D) AT THIRD FLOOR	759.90	SqM	31.00	23,556.90
23	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 .				
	On Steel and other Metal Surface .Two coat with any shade except white.With super gloss (hi-gloss) -				
	(A) AT GROUND FLOOR	765.00	SqM	79.00	60,435.00
	(B) AT FRIST FLOOR	775.20	SqM	79.00	61,240.80
	(C) AT SECOND FLOOR	816.00	SqM	79.00	64,464.00
	(D) AT THIRD FLOOR	759.90	SqM	79.00	60,032.10
	TIMBER PAINTING				
24	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.				
	(A) AT GROUND FLOOR	1,375.92	SqM	38.00	52,284.96
	(B) AT FRIST FLOOR	1,361.88	SqM	38.00	51,751.44
	(C) AT SECOND FLOOR	1,235.52	SqM	38.00	46,949.76
	(D) AT THIRD FLOOR	1,291.68	SqM	38.00	49,083.84

25	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)				
	(A) AT GROUND FLOOR	1,375.92	SqM	75.00	1,03,194.00
	(B) AT FRIST FLOOR	1,361.88	SqM	75.00	1,02,141.00
	(C) AT SECOND FLOOR	1,235.52	SqM	75.00	92,664.00
	(D) AT THIRD FLOOR	1,291.68	SqM	75.00	96,876.00
	(R) ALUMINIUM WORKS				
26	Godrej Hydraulic door closer fitted and fixed complete.(a) Heavy type (I.S.I. size 3)	1.00	Each	2395.00	2,395.00
27	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.				
	In Ground floor Flash butt welded windows and ventilators (No shop priming will be allowed to facilitate inspection of workmanship) Without integrated grills.				
28	(a) Fixed type steel windows as per IS sizes with horizontal glazing bars.				
	(A) AT GROUND FLOOR	10.00	Sq.M.	1330.00	13,300.00
29	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in				
	(A) AT GROUND FLOOR	5.00	SqM	721.00	3,605.00
	(B) AT FRIST FLOOR	5.00	SqM	733.00	3,665.00
	(C) AT SECOND FLOOR	5.00	SqM	745.00	3,725.00
30	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cementmortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backingcourse) laid after application slurry using 1.75 Kg of cement per sqM belowmortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxygrout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (Whitecement, synthetic adhesive and grout material to be supplied by the contra conc (I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.				
	(B) Light Colour				
	(A) AT GROUND FLOOR	77.00	SqM	1720.00	1,32,440.00
31	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.				
	(B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m				
	(b) Area of each tile upto 0.09 Sq.m				
	(i) Coloured decorative at Wall				
	(A) AT GROUND FLOOR	20.00	SqM	721.00	14,420.00
	(B) AT FRIST FLOOR	20.00	SqM	726.00	14,520.00
	(C) AT SECOND FLOOR	20.00	SqM	731.00	14,620.00
32	Supplying, fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer-in -Charge in Ground Floor.(a) Slab Thickness 20 to 25 mm				
	(A) AT GROUND FLOOR	20.00	Sq.	642.00	12,840.00
	(B) AT FRIST FLOOR	60.00	Sq.	654.00	39,240.00

	(C) AT SECOND FLOOR	5		20.00	Sq.	666.00	13,320.00
	(F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC.						
33	M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.						
	(ii) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr						
	(A) AT GROUND FLOOR		3.00	Qntl		9888.00	29,664.00
	(B) AT FIRST FLOOR		3.00	Qntl		9986.88	29,960.64
	(C) AT SECOND FLOOR		3.00	Qntl		10086.75	30,260.25
34	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.						
	(A) AT GROUND FLOOR		10.00	Sq.M		3726.00	37,260.00
	(G) CARPENTER'S WORKS						
35	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).						-
	Sal : Malaysian Sal						-
	(A) AT GROUND FLOOR		1.00	CuM.		83218.00	83,218.00
	(B) AT FRIST FLOOR		1.00	CuM.		83418.00	83,418.00
	(C) AT SECOND FLOOR		1.00	CuM.		83618.00	83,618.00
	THIRD FLOOR		1.00	CuM.		83818.00	83,818.00
34	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. In ground floor. (In case of non-supply of single plank, penal rate of reduction of 20% will be made)(ii) 40mm thick shutters with 19mm thick panel of size 30 to 45 cm(a) Ordinary Teak Wood						
	(A) AT GROUND FLOOR		10.00	SqM		4542.00	45,420.00
	(B) AT FRIST FLOOR		10.00	SqM		4557.00	45,570.00
	(C) AT SECOND FLOOR		10.00	SqM		4572.00	45,720.00
	(F) MUMTY		10.00	SqM		4587.00	45,870.00
35	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.						-
	(A) AT GROUND FLOOR		15.00	SqM		1943.00	29,145.00
	(B) AT FRIST FLOOR		15.00	SqM		1958.00	29,370.00
	(C) AT SECOND FLOOR		15.00	SqM		1973.00	29,595.00
	(C) AT THIRD FLOOR		15.00	SqM		1988.00	29,820.00
36	Providing and fixing factory made door frame (single rebate) made of single piece extruded solid PVC profile with homogenous fine cellular structure having smooth outer integral skin having 62mm width x 32 mm thickness (the door frame is to be made with single piece extruded solid pvc profile whereas no sheet pasted profile shall be applied for door frame fabrication) and shall be fixed to wall as per instructions of Engineer – in – charge using 100 x 8 sheet metal CSK screws.						-
	(A) AT GROUND FLOOR		47.50	Mtr.		483.00	22,942.50

	(B) AT FRIST FLOOR	6	47.50	Mtr.	483.00	22,942.50
	(C) AT SECOND FLOOR		47.50	Mtr.	483.00	22,942.50
	(C) AT THIRD FLOOR		47.50	Mtr.	483.00	22,942.50
	DOOR & WINDOW APPLIENCE					
37	Anodised aliminium 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)					
	(v) 125 mm grip x 12 mm dia rod.		20.00	Each	118.00	2,360.00
38	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately).					
	40mm X 6mm, 250mm Length		25.00	Each	33.00	825.00
39	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark					
	100mm X 50mm X 1.25mm		20.00	Each	48.00	960.00
40	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 300mm long.					
41	Door stopper.(Brass)					
			50.00	Each	134.00	6,700.00
42	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. NOTE : Cement 0.152 cu.m. per 100 sq.m.					
			150	Sqm.	38.00	5700.00
	Sanitary Work					
	PVC PIPE WORK					
43	Supplying, fitting and fixing PVC pipes of approved makeof (medium duty) conforming to ASTMD - 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) Supreem made					
	(a) For Exposed Work -- PVC Pipes (Dia)					
	20 mm		500.00	Mtr.	143.00	71,500.00
	(a) For Concealed work					
	15 mm		50.00	Mtr.	141.00	7,050.00
44	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.).					
	20mm mm dia		5.00	Each	657.00	3,285.00
	UPVC PIPE WORK					
44	Supply of UPVC pipes (B Type) and fittings conforming to IS-13592-1992					
	(A) (i) Single Socketed 3 Mtr. Length					
						-
			1,000.00	Mtr.	348.00	3,48,000.00
	(B) Fittings (110 MM)					
	(i) Coupler		15.00	Each	101.00	1,515.00
	(ii) Door Tee (110 mm)		70.00	Each	233.00	16,310.00
	(iii) Door Y (LH) & (RH).(110 MM)		50.00	Each	329.00	16,450.00
	(iv) Door Bend T.S 110 mm		50.00	Each	176.00	8,800.00
	(v) Plain Tee		40.00	Each	182.00	7,280.00
	(vi)Bend 45 Degree		20.00	Each	106.00	2,120.00
	(vii) Pipe Clip 110 mm		200.00	Each	25.00	5,000.00
	(vii) Vent Cowl		50.00	Each	39.00	1,950.00
45	Labour for fitting and fixing U.P.V.C piupes for above ground work including cost of joining materials etc. fitting and fixing all necessary specials, cutting pipes,cutting holes in walls or R.C floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 mtr. and refilling the same complete as per direction of the Engineer - in - Charge.(payment will be made on centre line measurment of the total pipe line including specials)					
	(A) Above ground					
						-
	(ii) 110 mm		1,000.00	Mtr.	57.00	57,000.00

46	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials 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 accessories, specials. (a) For Exposed Work (i) CPVC Pipes Class-1, SDR-11 (Dia) 50 mm	7	150.00	Mtr	638.00	95,700.00
	(B) Socket (Dia) 50 mm		25.00	no	147.00	3,675.00
	(C) Equal Tee (Dia) 50 mm		25.00	no	303.00	7,575.00
	(N) Union (Dia) 50mm		50.00	no	363.00	18,150.00
	W.C APPLIANCE					
47	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete.					
	590 mm X 390 mm X 380 mm		10.00	Each	2990.00	29,900.00
48	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately).		-			-
	450 mm X 350 mm		10.00	Each	1103.00	11,030.00
49	Supplying, fitting and fixing porcelain partition wall of approved make of size		-			-
	618 mm X 310 mm complete in all respect.		10.00	Each	1459.00	14,590.00
50	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. Hindware/Parryware/Cera, made		-			-
	(a) With 'S' trap		15.00	Each	4203.00	63,045.00
51	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc. White		15.00	Each	1181.00	17,715.00
52	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete.		-			-
	(b) Anglo Indian (ii) Plastic (hallow type) white		15.00	Each	572.00	8,580.00
53	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe , with coupling at one end fitted with necessary clamps.		-			-
	1050 mm long		100.00	Each	107.00	10,700.00
	BATHROOM & KITCHEN APPLIANCE					
54	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 32 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint.		-			-
	(iii) 630 mm X 450 mm size		25.00	Each	3873.00	96,825.00
55	Supplying, fitting and fixing pedestal of approved make for wash basin (white)		5.00	Each	1911.00	9,555.00
56	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets.		-			-
	(ii) 630 mm X 550 mm X 180 mm		6.00	Each	4798.00	28,788.00
57	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		50.00	Each	126.00	6,300.00
58	Supplying, fitting and fixing pillar cock of approved make.		-			-

59	a) (ii) CP Pillar Cock Super Deluxe with Aerator - 15 mm. (Equivalent to Code No. 508 & Model No. Tropical / Sumthing Special of ESSCO or similar brand).	100.00	Each	760.00	76,000.00
60	Supplying, fitting and fixing towel rail with two brackets.	-			-
	(a) (ii) C.P. over brass (iii) 25 mm dia. and 750 mm long	2.00	Each	613.00	1,226.00
62	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size	-			-
	550 mm X 400 mm	10.00	Each	792.00	7,920.00
63	Chromium plated Bib Cock (angular shape with wall flange) (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar brand).	10.00	Each	1105.00	11,050.00
64	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	10.00	Each	1046.00	10,460.00
65	Chromium plated Hand shower with Flexible Tube & fittings (Equivalent to Code No. Hsh-1937 & (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar).).	30.00	Each	2414.00	72,420.00
66	Chromium plated round shower with revolving joint 100 mm dia with rubid cleaning system (Equivalent to Code No. 542(N) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	10.00	Each	576.00	5,760.00
67	Supplying, fitting and fixing C.I. round grating.	-			-
	(ii) 150 mm	5.00	Each	100.00	500.00
68	Supplying, fitting and fixing C.I. square jalli.	-			-
	(ii) 150 mm	5.00	Each	120.00	600.00
	WATER TANK	-			-
70	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) Multilayer	-			-
	(f) 2000 litre capacity	2.00	Each	12437.00	24,874.00
71	Labour for hoisting plastic water storage tank.	-			-
	(f) 2000 litre capacity	2.00	Each	374.00	748.00
72	Supplying & laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately]	60.00	Sqm.	828.00	49,680.00
73	Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying presticide and fertilizer etc.v) Duranta goldianna of size not less than 20cm	100.00	no	15.00	1,500.00
		TOTAL			86,17,861.49
				Add 18% for GST	15,51,215.07
				SUB TOTAL	1,01,69,076.55
				Add 1% for cess	1,01,690.77
				GRAND TOTAL	1,02,70,767.32

Debasis palui
Debasis Palui
B. Tech (Civil)
Consultant Engineer
M/S Palui Engineering & Construction
Reg. No.- R/2003415352

8/10/2023
The Principal
CITY COLLEGE
CITY COLLEGE
KOL-9

S Sanjal
17/10/2023
The Principal
RAMMOHAN COLLEGE
Principal
Rammohan College
Kolkata-9

17/10/2023
The Principal
ANANDAMOHAN COLLEGE
Principal
Ananda Mohan College
102/1, R. M. Sarani,
Calcutta-700 009