

Name of work: Repair & renovation of Toilet and drain including sanitary & plumbing works of entire hospital and new construction of public toilet and general waste disposal pit at Nanna BPHC, Barrackpore-I Block, North 24 Parganas.

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. It-1 P-1	Sq.M	10.00	175.00	1750.00	70.0x2.5=175.00
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil ... including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. It-2 P-1	%Cum	11927.00	1.875	223.63	Drain 12.0x0.625x0.250=1.875
3	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. i) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5km. including the cost of carried earth. It-3 P-1	%Cum	41958.00	0.18	7552.44	20.0x3.0x0.300/100=0.18
4	Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrifos emulsifiable concentrates (1% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 6m. dia holes All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. It-11(d) P-8	Sq.M.	61.00	24.00	1464.00	70x4.0x300=24.00
5	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. It-1 P-10	Cu.M	447.00	0.855	382.19	3x3x0.6x0.125=0.575 2x0.6x1.2x.125=0.18
6	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. A) In ground floor including roof. It-6 P-11	Sq. M	50.00	9.00	450.00	3.0x1.5+1.8x1.5+1.5x1.2=9.00
7	Dismantling Chunar stone flooring carefully including removing rubbish to anywhere within a lead of 75 m. and stacking the serviceable materials as directed. It-9 P-11	Sq.M.	35.00	43.44	1520.40	2x1.8x1.2=6.48 2x3.0x4.0=24.00 2x2.7x2.4=12.96
8	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. It-10 P-11	Sq. M	19.00	65.64	1247.16	1x2x(1.80+1.70)x1.20=7.20 1x2x(3.0+4.0)x1.2=16.80 1x2x(2.4+2.7)x1.2=12.74 2x1.5x2.0=6.0 Less door 8x1.2x0.75=7.2 8x2.5x0.6=12.00 6x3x1.2=21.60
9	Single Brick. Flat Soling of picked jhama bricks including camming and dressing bed to proper level and filling joints with local sand. It-1 P-14	Sq. M	301.00	30.90	11154.90	Drain 10.0x0.75=7.5 Road 13x1.80=23.40
10	Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure It-8 P-15	Cu.M.	5636.00	0.26	1482.27	Toilet- 2x0.75x0.75x2.1= 0.263
11	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 1st floor. It-15 P-16	Sq. M	736.00	24.58	18090.88	Drain 16.0x0.25=4.0 Toilet 9.8x2.1=20.58
12	Ordinary Cement concrete (mix 1:2:4) 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 It-4 P-24	Cu.M.	5571.02	1.755	9778.19	Road 13x1.8x0.075=1.755
13	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels all complete including all materials and labour. In ground floor, 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (iii) 35 mm. thick It-6 P-18	Sq. M	337.00	15.00	5055.00	Drain 60.0x0.25=15.00

Item No.	Description of items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
14	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 It-15 P-53	Sq. M	643.00	3.00	1929.00	2x1.0x0.6=1.2 4x0.75x0.60=1.8
15	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick (avg) cement mortar (1:2) complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] It-32 P-62	Sq. M	2323.00	1.20	2787.60	2x1.0x0.6=1.2
16	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with 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 above 0.09 Sq.m. (ii) Other than Coloured decorative including white It-35 P-64	Sq. M	1047.00	50.64	53020.08	1x2x(1.80+1.20)x1.20=7.20 1x2x(3.0+4.0)x1.2=16.80 1x7x(2.4+2.7)x1.2= 12.24 6x3.0x1.2= 21.60 Less door 8x1.2x0.75=7.2
17	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 ... direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor). a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N It-1 Pa-280	Sq.M	897.00	50.28	45101.16	Toilet floor 2x1.8x1.7=4.32 2x4.0x3.0=24.00 2x2.7x2.4=12.96 3x1.5+1.8x1.5+1.5x1.2=9.00
18	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. meter (followed by colour coated on both side) steel sheet work minimum side lap. (ii) In Roof: a) With 0.5 mm thick sheet It-14 P-87	Sq.M	787.00	20.30	15976.10	Toilet- 4.5x4.5=20.30
19	M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1957 & IS:1161-1958) connected to one another with bracket, gusset, cleat as per design hoisting and erection all complete. (i) For other Structural works like galleries etc. It-2A P-101	MT.	72316.00	0.10	7585.95	<u>40x40x2.5 mm</u> (5x4.5)x2.92/1000=0.0657 <u>25x25x2.5 mm</u> (5x4.5)x1.74/1000=0.0392
20	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 16 Kg./sq.mtr and above It-13 P-104	Qntll	9696.00	0.029	6096.84	1x1.0x2.1x20x1.15/100=0.483 3x0.45x0.6x18/100=0.146
21	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials. It-15 P-105	Sq. M	1304.00	0.81	1056.24	Front gate 1x0.9x0.9=0.81
22	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and IS: 4020 door testing performance criteria. (ii) 66mm x 70mm It-3 P-115	Mtr.	446.00	38.00	16948.00	Toilet Door Frame 8x4.75=38.00
23	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic IS:4020 door testing performance criteria. in ground floor. (ii) 25 mm thick It-14 P-125	Sq. M	2581.00	12.0	30972.00	Toilet Door shutter 8x2.0x0.75=12.00
24	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. (c) 40mm X 6mm, 125mm Length It-4 P-140	Each	20.00	48.0	960.00	Door 8x6=48
25	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 50 mm. X 40 mm. X 2.5 mm. It-5 P-140	Each	26.00	30.0	780.00	Door 10x3=30

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
26	Iron socket bolt/tower bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt. It-8 P-141	Each	40.00	10.0	400.00	Door ... 10
27	i) Iron hasp bolt of approved quality fitted and fixed complete. (oxidised) with 15mm dia rod with centre bolt and round fitting. (a) 200mm long. It-10 P-141	Each	134.00	2.0	268.00	Door ... 2
28	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete. (i) 50mm dia. It-24 P-143	Each	17.00	8.0	136.00	Door ... 8
29	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. (a) Upto area 2.5 Sq.m It-30 P-152	Sq. M	119.00	7.50	892.50	5x2.0x0.75=7.50
30	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints ... 1:4 cement mortar (a) 15 mm thick plaster It-1 P-189	Sq. M	167.00	30.00	5010.00	8.0x2.5x0.6=12.00 4x3.0x1.5=18.00
	(b) 20 mm thick plaster	Sq. M	194.00	49.20	9544.80	40.0x0.60=24.00 4x3.0x2.1=25.20
	(c) 10 mm thick plaster	Sq. M	133.00	6.00	798.00	Ceiling 7x1.5x2.0=6.0
31	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 thoroughly, complete as per manufacturer's specification and as per direction of the E.C. (a) One Coat ii) Solvent based interior grade Acrylic Primer It-7 P-195	%Sq. M	3370.00	187.80	6328.86	3x2x(1.80+1.2)x1.8+2x1.8x1.2=36.72 2x2x(4.0+3.0)x1.8+2x4.0x3.0=74.40 2x2x(2.7+2.4)x1.8+2x2.7x2.4=49.68 2x2x(3.0+3.0)x1.5=27.00
32	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive ... preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the E.C. In Ground Floor: (a) One Coat It-8 P-196	%Sq. M	3140.00	37.80	1186.92	2(3.5+3.5)2.7=37.80
33	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer ... including cleaning and smoothing of surface. Two Coats It-10 P-196	Sq. M	70.00	187.80	13146.00	3x2x(1.80+1.7)x1.8+2x1.8x1.2=36.72 2x2x(4.0+3.0)x1.8+2x4.0x3.0=74.40 2x2x(2.7+2.4)x1.8+2x2.7x2.4=49.68 2x2x(3.0+3.0)x1.5=27.00
34	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification ... all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion It-17 P-197	Sq. M	84.00	37.80	3175.20	2(3.5+3.5)2.7=37.80
35	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. It-4 P-197	%Sq. M	1017.00	225.88	2297.20	3x2x(1.80+1.2)x1.8+2x1.8x1.2=36.72 2x2x(4.0+3.0)x1.8+2x4.0x3.0=74.40 2x2x(2.7+2.4)x1.8+2x2.7x2.4=49.68 2x2x(3.0+3.0)x1.5=27.00
36	(a) Priming one coat on steel and other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. It-1 P-200	Sq. M	29.00	7.38	214.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
37	(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 (b) On steel and other metal surface: With super gloss (hi-gloss) (iv) Two coats (with any shade except white) It-7 P-200	Sq. M	79.00	7.38	583.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
38	Supplying, fitting and fixing in position fibre glass panes of approved quality with resin, nail, clip etc. as per IS:12866-1989. (c) 2.0 mm thick (5.72 Kg/Sq.m) It-7 P-206	Sq. M	937.00	3.60	3373.20	12x0.6x0.5=3.6
39	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary ... including joining with jointing materials (Spun Yarn, Valamoid/ Bitumen/M-Seal etc) complete. A) UPVC Pipes: (ii) 110 mm, Dia. It-21 P-212	Metre	251.00	28.80	7228.80	8x3.6=28.80

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
40	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (viii) 25 mm dia	Each	778.00	3.00	2334.00	-
	(ix) 15 mm dia S&P It-5 P-5	Each	438.00	3.00	1314.00	-
41	Supplying, fitting and fixing bib rock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical/Sumthing ... ESSCO or similar brand). S&P It-7 P-6	Each	539.00	8.00	4312.00	-
	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar	Each	493.00	7.00	3451.00	-
42	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I), with all necessary accessories. No separate payment will be made for accessories, specials. (a) For Exposed Work PVC Pipes 25 mm dia	Mtr.	177.00	27.00	4779.00	-
	(b) For Concealed Work 15 mm dia pipe S&P It-19(I) P-12	Mtr.	137.00	4.00	548.00	-
43	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make without fittings and brackets. White S&P It-3 P-36	Each	1367.00	5.00	6835.00	-
44	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets with two coats of approved paint. (ii) 550 mm X 400 mm size S&P It-2 P-41	Each	2208.00	3.00	6624.00	-
45	Supplying, fitting and fixing White Vitreous China Sink in position on C.I. brackets including two coats of painting of brackets. (b) Laboratory sink with rim and overflow (ii) 500 mm X 300 mm X 150 mm S&P It-6 P-42	Each	3442.00	2.00	6884.00	-
46	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets (a) Sink only (ii) 630 mm X 550 mm X 180 mm S&P It-7 P-42	Each	3788.00	2.00	7576.00	-
47	Supplying, fitting and fixing 15 mm swan neck tap with left & right hand operating nob with aerator (Equivalent to Code No. 510, 510(A) and Model - TROPICAL / SUMTHING SPECIAL of ESSCO or similar brand). S&P It-2 P-41	Each	811.00	5.00	4055.00	-
48	Supplying, fitting and fixing pillar cock of approved make (a) (i) CP Pillar Cock - 15 mm (Equivalent to Code No. 5078 Model - Tropical/Sumthing ... ESSCO or similar brand). S&P It-19 P-45	Each	555.00	4.00	2220.00	-
49	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. (b) With 'S' trap (with vent) S&P It-3 P-79	Each	3387.00	2.00	6774.00	-
50	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing). S&P (i) 580 mm X 440 mm It-4 P-79	Each	1613.00	2.00	3226.00	-
51	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (B-3-T) with Jhama chips complete. (Payment of concrete will be paid seperately). It-7 P-80	Each	881.00	2.00	1762.00	-
52	Supplying, fitting and fixing Foot rest for water closet of size 275 mm X 125 mm with (b) Porcelain of approved make It-9 P-80	Pair	214.00	2.00	428.00	-
53	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. (i) Polythene Flush Pipe It-11 P-81	Each	155.00	5.00	775.00	-
54	Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marble square cut, both sides polished with two front corners rounded and edges polished. It-13 P-81	SqM	1426.00	1.35	1925.10	3x1x0.45= 1.35

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
55	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. (ii) 470 mm X 280 mm X 340 mm It-6 P-80	Each	945.00	4.00	3780.00	
56	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm S&P It-15 P-81	Each	484.00	3.00	1452.00	
57	Supplying, fitting and fixing soap holder. (b) Fibre glass S&P It-18 P-82	Each	58.00	12.00	696.00	
58	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (iii) 25 mm dia. and 750 mm long S&P It-22 P-82	Each	475.00	8.00	3800.00	
59	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. It-1 P-275	%Mtr	1350.00	60.00	816.00	
60	Removing scum from the bottom floor of service latrine washing the floor thoroughly and treating the same with ... of bleaching powder (including cost of bleaching powder). It-11 P-279	Sq. M	32.00	55.00	1760.00	220.0x0.25=55.0
61	Cleaning and removing conservancy garbage mixed with rubbish & other filthy materials from the road side / flank, drain and compound including cutting, loading, unloading to and from truck or cart by Mathor labour & removing ... any distance. It-12 P-279	%Cum	5662.00	0.15	849.30	25.0x4.0x0.150/100=0.15
62	Renewing chromium plating of bib cock/ stop cock/ pillar cock/ waste fittings. S&P It-16 P-26	Each	49.00	10.00	490.00	
63	Supplying, fitting and fixing low-down cistern parts; (i) Internal fittings for cistern complete of approved make. S&P I-1 P-38	Each	284.00	8.00	2272.00	
64	Dismantling sink with brackets with or without waste fittings. (ii) Above 450 mm and upto 600 mm length. S&P I-5 P-46	Each	52.00	3.00	156.00	
65	Dismantling and re-fixing Swan Neck Piller Cock after necessary repairing, packing, washering complete. S&P I-30 P-48	Each	60.00	3.00	180.00	
66	Repairing W.C. seat with brass plate and screws. S&P I-23 P-86	Each	82.00	5.00	410.00	
67	Supplying, fitting and fixing in position R.C.C. Manhole/ pit cover of approved make with rim of approved make (Heavy type) (i) 450 mm dia. S&P I-7 P-91	Each	3.00	276.00	828.00	
68	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer, (A) 1000 litre capacity. S&P I-6 P-37	Each	1.00	5128.00	5128.00	
69	Labour for hoisting plastic water storage tank (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L. S&P I-10 P-37	Each	1.00	96.00	96.00	
70	Labour for lowering plastic water storage tank and stacking in places as directed. (a) Upto 1st story from G.L. S&P I-12 P-38	Each	1.00	58.00	58.00	
71	Labour for punching hole in plastic water storage tank upto 50 mm dia. S&P I-12 P-38	Each	1.00	19.00	19.00	
72	Supplying, fitting and fixing Q1 No water purifier (hi-flow) with storage facility (40 litre) ... All complete	Lum Sum			40000.00	
73	Construction of waste disposal pit 1no of size 5'x4' depth 6' with b/w (1:4) and necessary pcc/rcc, lid cover ... All complete.	Lum Sum			15000.00	
Total					Rs.	426358.95
Add. GST @11.0%					Rs.	51163.07
Total					Rs.	477522.02
Add. LWF CESS @1.0%					Rs.	4775.22
Total					Rs.	482297.24
Add. 3% contingency					Rs.	14468.92
Grand Total					Rs.	496766.16
Rounded off					Rs.	4,96,766/-

Rupees- Four lakh ninety six thousand seven hundred sixty six only.

24/08/2020
SAE, DPMU
NHM, DH & FWS, 24 PGS. (N)

24/08/2020
AE, DPMU
NHM, DH & FWS, 24 PGS. (N)

Page 5 of 5

Secretary
District Health & Family Welfare Samiti
& Chief Medical Officer of Health
North 24 Parganas

Name of work: Repair & renovation of Toilet and drain including sanitary & plumbing works of entire hospital, new construction of Bio Medical and General Waste disposal room (size 2.5x2.0), waste disposal pit and drinking water facility at Bagdah RH, Bagdah Block, North 24 Parganas.

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. It-1 P-1	Sq.M	10.00	60.00	600.00	25.0x2.4=60.0
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil ... including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete (a) Depth of excavation not exceeding 1,500 mm. It-2 P-1	%Cum	11927.00	3.625	432.35	Room foundation 8.0x0.625x0.500=2.5 Drain 6.0x0.625x0.30=1.125
3	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. i) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5km. including the cost of carried earth. It-3 P-1	%Cum	41958.00	0.02	629.37	5.0x2.0x0.150/100=0.02
4	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. It-4 P-2	%Cum	93621.00	0.45	421.29	2.0x1.5x0.15=0.45
5	Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrifos emulsifiable concentrates (1% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 6m. dia holes ... All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. It-11(d) P-8	Sq.M.	61.00	9.00	549.00	6x5.0x300=9.00
6	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. A) In ground floor including roof. It-6 P-11	Sq.M	50.00	43.38	2169.00	1x6.0x5.5=33.00 1x5.65x1.7=6.78 1x1.8x2.0=3.60
7	Dismantling Chunar stone flooring carefully including removing rubbish to anywhere within a lead of 75 m. and stacking the serviceable materials as directed. It-9 P-11	Sq.M.	35.00	9.66	338.10	1x4.6x2.1=9.66
8	Stripping off worn out plaster and taking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. It-10 P-11	Sq. M	19.00	79.24	1505.56	Toilet 6(1.2+1.2)x0.60=8.64 Bath 8(1.2+1.5)x0.60=12.96 Toilet 2x2(6.0+5.5)x1.0=46.00 Wall 3x1.2x1.0=3.60 Toilet 2(4.6+2.1)x0.60=8.04
9	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. It-1 P-14	Sq. M	361.00	9.75	3519.75	Drain 6.0x0.675=3.75 Road 3.0x2.0=6.0
10	Brick work with 1st class bricks in cement mortar (1:6) (b) in superstructure It-8 P-15	Cu.M.	5636.00	1.525	8594.90	Pillar 4x2.5x0.25x0.25=0.625 Wall 2(2.5+2.0)x0.300x0.25=0.675 Drain 6.0x0.25x0.15=0.225
11	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 1st floor. It-16 P-16	Sq. M	736.00	14.10	10377.60	Drain 6.0x0.15x1=0.90 Bio waste room: 1x6.0x2.2=13.20
12	Ordinary Cement concrete (mix 1:2:4) 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 It-4 P-24	Cu.M.	5674.14	1.40	7943.80	Floor 1.50x2.0x0.100=0.30 Foundation 8.0x0.625x0.100=0.5 Road 3.0x2.0x0.100=0.60
13	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips; laid in panels ... all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (iii) 35 mm. thick It-6 P-4B	Sq. M	337.00	2.50	842.50	Drain 10.0x0.25=2.5
14	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. (ii) Slab Thickness 20 to 25 mm It-15 P-53	Sq. M	643.00	2.10	1350.30	2x1.0x0.6=1.2 2x0.75x0.60=0.9

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
15	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] It-32 P-62	Sq. M	2323.00	1.20	2787.60	2x1.0x0.6=1.2
16	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with..... surface, if necessary or by synthetic adhesive & grout materials etc. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Other than Coloured decorative including white.	Sq. M	713.00	4.00	2852.00	Bio waste room 2.0x1.5=3.0
	(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 above 0.09 Sq.m (ii) Other than Coloured decorative including white It-35 P-64	Sq. M	1047.00	63.54	66526.38	Bio waste 2(1.75x2.0)1.2=9.00 Toilet Toilet 6(1.2x1.2)0.60=8.64 Bath 8(1.2x1.5)0.60=12.96 Toilet 2x2(6.0x5.5)0.6=27.60 Toilet 2(4.6x2.1)0.60=8.04 Less door 3x1.2x0.75=2.70
17	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. meter (followed by colour coated on both side) steel sheet work minimum side lap. (i) In Roof: a) With 0.5 mm thick sheet It-14 P-82	Sq.M	787.00	7.50	5902.50	Bio waste room 2.5x3.0=7.50
18	M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1957 & IS:1161-1958) connected to one another with bracket, gusset, cleat as per design hoisting and erection all complete. ii) For other Structural works like galleries etc. It-2A P-101	MT.	72316.00	0.04	2892.64	40x40x2.5 mm 4x2.2x2.92/1000=0.03 25x25x2.5 mm. 2.2x3x1.74/1000=0.01
19	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. iii) Grill weighing above 16 Kg./sq.mtr and above It-13 P-104	Qntl	9696.00	0.483	4683.17	1x1.0x2.1x20x1.15/100=0.483
20	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials. It-15 P-105	Sq. M	1304.00	1.08	1408.32	Front gate 1x0.9x1.2=1.08
21	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and IS: 4020 door testing performance criteria. (ii) 65mm x 70mm It-3 P-115	Mtr.	446.00	38.00	15948.00	Toilet Door Frame 8x4.75=3.80
22	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic IS:4020 door testing performance criteria. In ground floor. (ii) 25 mm thick It-14 P-125	Sq. M	2581.00	11.20	28907.20	Toilet Door shutter 8x2.0x0.70=11.20
23	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. (c) 40mm X 6mm, 125mm Length It-4 P-140	Each	20.00	48.0	960.00	Door 8x6=48
24	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 50 mm. X 40 mm. X 2.5 mm. It-5 P-140	Each	26.00	24.0	624.00	Door ... 8x3=24
25	Iron socket bolt/tower bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt. It-8 P-141	Each	40.00	20.0	800.00	Door ... 10x2=20
26	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (a) 200mm long It-10 P-141	Each	134.00	1.0	134.00	Door ... 1
27	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete. (i) 50mm dia. It-24 P-143	Each	17.00	8.0	136.00	Door ... 8

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
28	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. (a) Upto area 2.5 Sq.m It-30 P-152	Sq. M	119.00	12.00	1428.00	8x2.0x0.75=12.0
29	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints ... 1:4 cement mortar (a) 15 mm. thick plaster It-1 P-189	Sq. M	167.00	30.50	5093.50	Inside wall 3x1.2x1.0=3.60 Bio waste room 2(2.0+1.5)2.2= 15.4 Toilet 2(6.0+5.5)0.5=11.50
	(b) 20 mm thick plaster	Sq. M	194.00	25.50	4947.00	Outer wall 2(2.5+2.0)2.5=22.50 3x1.0x1.0=3.0
	(c) 10 mm thick plaster	Sq. M	133.00	5.00	665.00	Ceiling 2.5x2.0=5.0
30	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 thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (a) One Coat ii) Solvent based interior grade Acrylic Primer It-7 P-195	%Sq.M	3370.00	71.10	2396.07	6(2.0+1.25)1.0=19.50 8(1.20+1.5)1.0=21.60 3x4.0x2.5=30.00
31	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive ... preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coat It-8 P-196	%Sq.M	3140.00	22.50	706.50	2(2.5+2.0)2.5=22.5
32	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer including cleaning and smoothing of surface. Two Coats It-10 P-196	Sq.M	70.00	71.10	4977.00	6(2.0+1.25)1.0=19.50 8(1.20+1.5)1.0=21.60 3x4.0x2.5=30.00
33	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion It-17 P-197	Sq.M	84.00	22.50	1890.00	2(2.5+2.0)2.5=22.5
34	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. It-4 P-197	%Sq.M	1017.00	71.10	723.09	6(2.0+1.25)1.0=19.50 8(1.20+1.5)1.0=21.60 3x4.0x2.5=30.00
35	(a) Priming one coat on steel and other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. It-1 P-200	Sq.M	29.00	6.78	196.62	2x2.1x0.9=3.78 10x0.6x0.5=3.0
36	(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 : (b) On steel and other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) It-2 P-200	Sq.M	79.00	7.38	583.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
37	Supplying, fitting and fixing in position fibre glass panes of approved quality with resin, nail, clip etc. as per IS:12866-1989. (c) 2.0 mm thick (6.72 Kg/Sq.m) It-7 P-206	Sq.M	937.00	3.00	2811.00	10x0.6x0.5=3.0
38	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary including joining with jointing materials (Spun Yarn, Valamoid/ Bitumen/M-Seal etc.) complete. A) UPVC Pipes: (ii) 110 mm. Dia. It-21 P-212	Metre	251.00	10.50	2635.50	3x3.5=10.50
39	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only), (vii) 25 mm dia	Each	778.00	3.00	2334.00	-
	(ix) 15 mm dia S&P It-5 P-5	Each	438.00	5.00	2190.00	-
40	Supplying, fitting and fixing bio cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical/Sumthing ... ESSCO or similar brand). S&P It-7 P-6	Each	539.00	13.00	7007.00	-
41	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I), with all necessary accessories ... No separate payment will be made for accessories, specials. (a) For Exposed Work PVC Pipes 25 mm dia	Mtr.	177.00	10.00	1770.00	-
	(b) For Concealed Work 15 mm dia pipe S&P It-19(i) P-12	Mtr.	137.00	2.00	274.00	-

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
42	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make without fittings and brackets. White S&P It-3 P-36	Each	1367.00	3.00	4101.00	-
43	Supplying, fitting and fixing white vitreous-china best quality approved make wash basin with C.I. brackets ... with two coats of approved paint. (ii) 550 mm X 400 mm size S&P It-2 P-41	Each	2208.00	2.00	4416.00	-
44	Supplying, fitting and fixing White Vitreous China Sink in position on C.I. brackets including two coats of painting of brackets. (b) Laboratory sink with rim and overflow (ii) 500 mm X 300 mm X 150 mm S&P It-6 P-42	Each	3442.00	1.00	3442.00	-
45	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm S&P It-7 P-42	Each	3788.00	3.00	11364.00	-
46	Supplying, fitting and fixing 15 mm swan neck tap with left & right hand operating nob with aerator (Equivalent to Code No. 510, 510(A) and Model - TROPICAL / SUMTHING SPECIAL of ESSCO or similar brand). S&P It-2 P-41	Each	811.00	3.00	2433.00	-
47	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507& Model-Tropical/Sumthing ... ESSCO or similar brand). S&P It-19 P-45	Each	555.00	4.00	2220.00	-
48	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. (b) With 'S' trap (with vent) S&P It-3 P-79	Each	3287.00	2.00	6574.00	-
49	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm S&P It-15 P-81	Each	484.00	2.00	968.00	-
50	Supplying, fitting and fixing soap holder. (b) Fibre glass S&P It-18 P-82	Each	58.00	15.00	870.00	-
51	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (iii) 25 mm dia. and 750 mm long; S&P It-22 P-82	Each	475.00	2.00	950.00	-
52	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. It-1 P-275	%Mtr	1360.00	32.00	435.20	-
53	Removing scum form the bottom floor of service latrine washing the floor thoroughly and treating the same with ... of bleaching powder (including cost of bleaching power). It-11 P-279	Sq. M	32.00	26.25	840.00	105.0x0.25=26.25
54	Cleaning; and removing conservancy garbage mixed with rubbish & other filthy materials from the road side flank, drain and compound including cutting, loading, unloading to and from truck or cart by Mithor labour & removing ... any distance. It-12 P-279	%Cum	5662.00	0.15	849.30	25.0x4.0x0.150/100=0.15
55	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 ... direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor). a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N It-1 Pa-280	Sq.M	897.00	46.26	41495.22	Toilet floor 1x5.5x6.0=33.00 1x2.1x4.6=9.66 1x2.0x1.8=3.60
56	Renewing chromium plating of bib cock/ stop cock/ pillar cock/ waste fittings. S&P It-16 P-26	Each	49.00	7.00	343.00	-
57	Supplying, fitting and fixing low-down cistern parts, (i) Internal fittings for cistern complete of approved make. S&P I-1 P-38	Each	284.00	3.00	852.00	-
58	Dismantling sink with brackets with or without waste fittings. (i) Above 450 mm and upto 600 mm length. S&P I-5 P-46	Each	52.00	3.00	156.00	-
59	Dismantling and re-fixing Swan Neck Pillar Cock after necessary repairing, packing, washering complete. S&P I-30 P-48	Each	60.00	2.00	120.00	-
60	Repairing W.C. seat with brass plate and screws. S&P I-23 P-86	Each	82.00	4.00	328.00	-

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
61	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth ... With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. With JSW/JSPL/SHYAM/ SRMB .../SSI, S&P I-4 P-89	Each	1.00	16621.00	16621.00	-
62	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. (a) With 'P' trap S&P I-3 P-79	Each	1421.00	4.00	5684.00	-
63	Removing chokage in G.I. pipe including cleaning pipe. 15 mm to 25 mm dia pipe S&P I-3 P-24	Mtr.	7.00	150.00	1050.00	-
64	Removing sludge from septic tank, soak well etc. by methor labour including disposal of the same outside the compound as directed. (b) Upto 30 users:- (i) Within a lead of 150 metre: S&P I-3 P-96	Each	2112.00	2.00	4224.00	-
65	Cleaning soak pit by removing the top slab and replacing inner filling with jhama bats and repairing the pit as necessary including fitting the slab S&P I-4 P-96	Each	1347.00	2.00	2694.00	-
66	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5-3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5-3) bottom slab including supplying, fitting and fixing all necessary internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS-2470, Part - I. Payment will be made separately on the basis of actual height based on relevant I.S. Code. (ii) For 20 users A) With Pakur variety. (JSW/JSPL/SHYAM/SRMB ...) S&P I-7 P-91	Each	48162.00	1.00	48162.00	-
67	Supplying, fitting and fixing in position R.C.C. Manhole/ pit cover of approved make with rim of approved make (Heavy type) (i) 450 mm dia. S&P I-7 P-91	Each	4.00	276.00	1104.00	-
68	Supplying, fitting and fixing 1Nos water purifier (hi-flow) with storage facility (40 litre) ... All complete		Lum Sum		40000.00	-
69	Construction of waste disposal pit 1no of size 5'x4' depth 6' with b/w (1:4) and necessary pcc/rcc, lid cover ... All complete		Lum Sum		9000.00	-
Total					Rs. 428758.35	
Add. GST @12.0%					Rs. 51451.00	
Total					Rs. 480209.35	
Add. LWF CESS @1.0%					Rs. 4802.09	
Total					Rs. 485011.44	
Add. 3% contingency					Rs. 14550.34	
Grand Total					Rs. 499561.79	
Rounded off					Rs. 4,99,562/-	

Rupees- Four lakh ninety nine thousand five hundred sixty two only.

24.08.20
SAE (Civil), DPMU
NHM, DH & FWS, 24 PGS (N)

Page 5 of 5

24/08/2020
AE, DPMU
NHM, DH & FWS, 24 PGS. (N)

Secretary
District Health & Family Welfare Samiti
& Chief Medical Officer of Health
North 24 Parganas

Name of work: Repair & renovation of Toilet and drain including sanitary & plumbing works of entire hospital, new construction of Bio Medical and General Waste disposal room, waste disposal pit and drinking water facility at Amdanga RH, Amdanga Block, North 24 Parganas.

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. It-1 P-1	Sq.M	10.00	360.00	3600.00	45.0x8.0=360.0
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil ... including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. It-2 P-1	%Cum	11927.00	7.188	857.31	Room foundation 8.0x0.625x0.500=2.5 Drain 30.0x0.625x0.250=4.688
3	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. i) With carried earth arranged by the contractor within a radius exceeding 3 km, but not exceeding 5km. including the cost of carried earth. It-3 P-1	%Cum	41958.00	0.06	2517.48	10.0x2.0x0.300/100=0.06
4	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. It-4 P-2	%Cum	93621.00	0.45	421.29	2.0x1.5x0.15=0.45
5	Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 6m. dia holes All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. It-11(d) P-8	Sq.M.	61.00	12.00	732.00	8x5.0x300=18.00
6	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. A) In ground floor including roof. It-6 P-11	Sq. M	50.00	12.00	600.00	2x2.0x3.0=12.0
7	Dismantling Chunar stone flooring carefully including removing rubbish to anywhere within a lead of 75 m. and stacking the serviceable materials as directed. It-9 P-11	Sq.M.	35.00	6.00	210.00	2x1.5x2.0=6.0
8	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. It-10 P-11	Sq. M	19.00	26.76	508.44	2(1.25+2.0)1.20=7.80 2x1.2x1.5=3.60 8(2.0+1.2)0.60=15.36
9	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. It-1 P-14	Sq. M	361.00	18.75	6768.75	Drain 30.0x0.625=18.75
10	Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure It-8 P-15	Cu.M.	5636.00	3.55	20007.80	Pillar 4x2.5x0.25x0.25=0.625 Wall 2(2.5+2.0)0.300x0.25=0.675 Drain 35.0x0.25x0.25=1.875 10x0.25x0.15=0.375
11	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 1st floor. It-16 P-16	Sq. M	736.00	22.50	16560.00	Drain 30.0x0.25x1=7.5 Bio waste room 5.0x2.5=15.00
12	Ordinary Cement concrete (mix 1:2:4) 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 It-4 P-24	Cu.M.	5515.48	28.520	157301.49	Floor 1.50x2.0x0.100=0.30 Foundation 8.0x0.625x0.100=0.5 Road 88.0x3.15x0.100=27.72

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
13	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels ... all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (iii) 35 mm. thick It-6 P-48	Sq. M	337.00	11.25	3791.25	Drain 45.0x0.25=11.25
14	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 It-15 P-53	Sq. M	643.00	1.35	868.05	1x1.5x0.6=0.9 0.75x0.60=0.45
15	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] It-32 P-62	Sq. M	2323.00	0.90	2090.70	1x1.5x0.6=0.9
16	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with..... surface, if necessary or by synthetic adhesive & grout materials etc. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry slurry @0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (ii) Other than Coloured decorative including white	Sq. M	713.00	4.00	2852.00	Bio waste room 2.0x1.5=3.0 1.2x1.0=1.0
	(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 above 0.09 Sq.m (ii) Other than Coloured decorative including white It-35 P-64	Sq. M	1047.00	19.20	20102.40	2(1.25+2.0)1.2=7.80 6(1.2+2.0)0.5=9.60 Less door 2x1.2x0.75=1.80
18	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. meter (followed by colour coated on both side) steel sheet work minimum side lap. (i) In Roof: a) With 0.5 mm thick sheet It-14 P-82	Sq. M	787.00	10.50	8263.50	Bio waste room 3.5x3.0=10.50
19	M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1957 & IS:1161-1958) connected to one another with bracket, gusset, cleat as per design hoisting and erection all complete. ii) For other Structural works like galleries etc. It-2A P-101	MT.	72316.00	0.06	4338.96	40x40x2.5 mm 4x3.0x2.92/1000=0.04 25x25x2.5 mm 3.5x3x1.74/1000=0.02
20	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 16 Kg./sq.mtr and above It-13 P-104	Qntl	9696.00	0.483	4683.17	1x1.0x2.1x20x1.15/100=0.483
21	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials. It-15 P-105	Sq. M	1304.00	1.08	1408.32	Front gate 1x0.9x1.2=1.08
22	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and IS: 4020 door testing performance criteria. (ii) 66mm x 70mm It-3 P-115	Mtr.	446.00	10.00	4460.00	Toilet Door Frame 2x5.0=10.0

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
23	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic IS:4020 door testing performance criteria. In ground floor. (ii) 25 mm thick It-14 P-125	Sq. M	2581.00	3.0	7743.00	Toilet Door shutter 2x2.0x0.75=3.0
24	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, and bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (c) 40mm X 6mm, 125mm Length It-4 P-140	Each	20.00	12.0	240.00	Door 2x6=12
25	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vi) 50 mm. X 40 mm. X 2.5 mm. It-5 P-140	Each	26.00	6.0	156.00	Door 2x3=6
26	Iron socket bolt/tower bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt. It-8 P-141	Each	40.00	7.0	280.00	Door ... 7
27	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (a) 200mm long. It-10 P-141	Each	134.00	1.0	134.00	Door ... 1
28	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete. (i) 50mm dia. It-24 P-143	Each	17.00	6.0	102.00	Door 6
29	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. (a) Upto area 2.5 Sq.m It-30 P-152	Sq. M	119.00	3.00	357.00	2x2.0x0.75=3.0
30	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints ... 1:4 cement mortar (a) 15 mm. thick plaster It-1 P-189	Sq. M	167.00	20.20	3373.40	Inside wall 4x1.2x1.0=4.8 Bio waste Room 2(2.0+1.5)2.2= 15.4
	(b) 20 mm thick plaster	Sq. M	194.00	25.50	4947.00	Outer wall 2(2.5+2.0)2.5=22.50 3x1.0x1.0=3.0
	(c) 10 mm thick plaster	Sq. M	133.00	3.00	399.00	Ceiling 1.5x2.0=3.0
31	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 thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (a) One Coat ii) Solvent based interior grade Acrylic Primer It-7 P-195	%Sq.M	3370.00	66.00	2224.20	6(2.0+1.25)2.0=39.0 2(2.0+2.5)3.0=27.00
32	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive ... preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coat It-8 P-196	%Sq.M	3140.00	22.50	706.50	2(2.5+2.0)2.5=22.5
33	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer including cleaning and smoothening of surface. Two Coats It-10 P-196	Sq. M	70.00	66.00	4620.00	6(2.0+1.25)2.0=39.0 2(2.0+2.5)3.0=27.00
34	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification all incidental charges but excluding the cost of primer, in Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion It-17 P-197	Sq.M	84.00	22.50	1890.00	2(2.5+2.0)2.5=22.5
35	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. It-4 P-197	%Sq.M	1017.00	66.00	671.22	6(2.0+1.25)2.0=39.0 2(2.0+2.5)3.0=27.00
36	(a) Priming one coat on steel and other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. It-1 P-200	Sq.M	29.00	6.78	196.62	2x2.1x0.9=3.78 10x0.6x0.5=3.0

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
37	(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 : (b) On steel and other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) It-2 P-200	Sq.M	79.00	7.38	583.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
38	Supplying, fitting and fixing in position fibre glass panes of approved quality with resin, nail, clip etc. as per IS-12866-1989. (c) 2.0 mm thick (6.72 Kg/Sq.m) It-7 P-206	Sq.M	937.00	1.80	1686.60	6x0.6x0.5=1.80
39	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary including joining with jointing materials (Spun Yarn, Valamoid/ Bitumen/M-Seal etc) complete. A) UPVC Pipes: (ii) 110 mm. Dia. It-21 P-212	Metre	251.00	7.00	1757.00	2x3.5=7.0
40	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 71 kg per sq. cm. (for water lines only). (vii) 25 mm dia	Each	778.00	3.00	2334.00	-
	(ix) 15 mm dia S&P It-5 P-5	Each	438.00	3.00	1314.00	-
41	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical/Sumthing ESSCO or similar brand). S&P It-7 P-6	Each	539.00	8.00	4312.00	-
42	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I), with all necessary accessories No separate payment will be made for accessories, specials. (a) For Exposed Work PVC Pipes 25 mm dia	Mtr.	177.00	17.00	3009.00	-
	(b) For Concealed Work 15 mm dia pipe S&P It-19(i) P-12	Mtr.	137.00	3.00	411.00	-
43	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make without fittings and brackets. White S&P It-3 P-36	Each	1367.00	2.00	2734.00	-
44	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets ... with two coats of approved paint. (ii) 550 mm X 400 mm size S&P It-2 P-41	Each	2208.00	2.00	4416.00	-
45	Supplying, fitting and fixing White Vitreous China Sink in position on C.I. brackets including two coats of painting of brackets. (b) Laboratory sink with rim and overflow (ii) 500 mm X 300 mm X 150 mm S&P It-6 P-42	Each	3442.00	1.00	3442.00	-
46	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm S&P It-7 P-42	Each	3788.00	1.00	3788.00	-
47	Supplying, fitting and fixing 15 mm swan neck tap with left & right hand operating nob with aerator (Equivalent to Code No. 510, 510(A) and Model - TROPICAL / SUMTHING SPECIAL of ESSCO or similar brand). S&P It-2 P-41	Each	811.00	2.00	1622.00	-
48	Supplying, fitting and fixing pillar cock of approved make. (a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical/Sumthing ESSCO or similar brand). S&P It-19 P-45	Each	555.00	2.00	1110.00	-
49	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. (b) With 'S' trap (with vent) S&P It-3 P-79	Each	3287.00	2.00	6574.00	-
50	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm S&P It-15 P-81	Each	484.00	2.00	968.00	-
51	Supplying, fitting and fixing soap holder. (b) Fibre glass S&P It-18 P-82	Each	58.00	6.00	348.00	-

It. No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
52	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (iii) 25 mm dia. and 750 mm long S&P It-22 P-82	Each	475.00	3.00	1425.00	-
53	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. It-1 P-275	%Mtr	1360.00	33.00	448.80	-
54	Removing scum form the bottom floor of service latrine washing the floor thoroughly and treating the same with ... of bleaching powder (including cost of bleaching powder). It-11 P-279	Sq. M	32.00	28.75	920.00	115.0x0.25=28.75
55	Cleaning and removing conservancy garbage mixed with rubbish & other filthy materials from the road side flank, drain and compound including cutting, loading, unloading to and from truck or cart by Mathor labour & removing ... any distance. It-12 P-279	%Cum	5662.00	0.15	849.30	25.0x4.0x0.150/100=0.15
56	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 ... direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor). a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N It-1 Pa-280	Sq. M	897.00	10.50	9418.50	Toilet floor 3x1.5x1.0=4.50 2x2.0x1.5=6.0
57	Renewing cromium plating of bib cock/ stop cock/ pillar cock/ waste fittings. S&P It-16 P-26	Each	49.00	5.00	245.00	-
58	Supplying, fitting and fixing low-down cistern parts. (i) Internal fittings for cistern complete of approved make. S&P I-1 P-38	Each	284.00	3.00	852.00	-
59	Dismantling sink with brackets with or without waste fittings. (ii) Above 450 mm and upto 600 mm length. S&P I-5 P-46	Each	52.00	1.00	52.00	-
60	Dismantling and re-fixing Swan Neck Piller Cock after necessary repairing, packing, washering complete. S&P I-30 P-48	Each	60.00	2.00	120.00	-
61	Repairing W.C. seat with brass plate and screws. S&P I-23 P-86	Each	82.00	2.00	164.00	-
62	Supplying, fitting and fixing in position R.C.C. Manhole/ pit cover of approved make with rim of approved make (Heavy type) (i) 450 mm dia. S&P I-7 P-91	Each	4.00	276.00	1104.00	-
63	Supplying, fitting and fixing 02 Nos water purifier (hi-flow) with storage facility (40 litre) All complete			Lum Sum	80000.00	-
64	Construction of waste disposal pit 2no of size 5'x4' depth 6' with b/w (1:4) and necessary pcc/rcc, lid cover All complete.			Lum Sum	25000.00	-

Total Rs. 426990.07

Add. GST @12.0% Rs. 51238.81

Total Rs. 478228.88

Add. LWF CESS @1.0% Rs. 4782.29

Total Rs. 483011.17

Add. 3% contingency Rs. 14490.34

Grand Total Rs. 497501.51

Rounded off Rs. 4,97,502/-

Rupees- Four lakh ninety seven thousand five hundred two only.

20.08.20
SAE (Civil), DPMU
NHM, DH & FWS, 24 PGS (N)

AE, DPMU
NHM, DH & FWS, 24 PGS. (N)

Secretary
District Health & Family Welfare Samsat
& Chief Medical Officer of Health
North 24 Parganas

Name of work: Repair & renovation of Toilet and drain including sanitary & plumbing works of entire hospital, new construction of Bio Medical and General Waste disposal room, waste disposal pit and drinking water facility at Rejoani BPHC, Rajarhat Block, North 24 Parganas.

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed. It-1 P-1	Sq.M	10.00	105.00	1050.00	35.0x3.0=105.0
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil ... including removing, spreading or stacking the spoils within a lead of 75 m, as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, piling out water as required complete. (a) Depth of excavation not exceeding 1,500 mm. It-2 P-1	%Cum	11927.00	11.875	1416.33	Room foundation 8.0x0.525x0.500=2.5 Drain 60.0x0.525x0.250=9.375
3	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm, including breaking clods and consolidating the same by ramming and dressing complete. i) With carried earth arranged by the contractor within a radius exceeding 3 km, but not exceeding 5km, including the cost of carried earth. It-3 P-1	%Cum	41958.00	0.36	15104.88	60.0x2.0x0.300/100=0.36
4	(A) Filling in foundation or blinch by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. It-4 P-2	%Cum	93621.00	0.05	471.29	2.0x1.5x0.15=0.45
5	Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (2% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 5m. dia holes ... All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. It-11(d) P-8	Sq. M.	61.00	15.00	915.00	10x5.0x3.00=15.00
6	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiseling without damaging the base and removing rubbish as directed within a lead of 75 m. A) In ground floor including roof. It-6 P-11	Sq. M	50.00	12.00	600.00	4x2.0x1.5=12.0
7	Dismantling Chunar stone flooring carefully including removing rubbish to anywhere within a lead of 75 m. and stacking the serviceable materials as directed It-9 P-11	Sq.M	35.00	12.00	420.00	1x4.0x3.0=12.0
8	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed. It-10 P-11	Sq. M	19.00	43.55	827.64	2x2.0+2.0x0.20=15.36 2x1.0x1.5=9.00 6(2.0+1.2)1.0=19.20
9	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. It-1 P-14	Sq. M	361.00	7.50	2707.50	Drain 10.0x0.75=7.5
10	Brick work with 1st class bricks in cement mortar (1:6) i) In superstructure It-8 P-15	Cu. M.	5536.00	1.30	7326.80	Pillar 4x2.5x0.25x0.25=0.625 Wall 2(2.0+2.0)0.300x0.25=0.675
11	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in 1st floor. It-16 P-16	Sq. M	736.00	19.00	13984.00	Drain 16.0x0.75=4.0 Bio waste room 6.0x2.5=15.00
12	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. (i) Paker Variety It-4 P-24	Cu.M.	5586.58	3.613	20184.31	Floor 1.5.0x2.0x0.100=0.30 Foundation 8.0x0.625x0.100=0.5 Road 7.5x2.5x0.150=2.813
13	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels ... all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (ii) 35 mm. thick It-6 P-48	Sq. M	237.00	35.50	11963.50	Drain 142.0x0.25=35.5

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
14	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 It-15 P-53	Sq. M	643.00	4.20	2700.60	2x2.0x0.6=2.4 4x1.75x0.60=1.8
15	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) complete. Area of each Granite slab > 0.5 upto 1.0 square metre [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] It-32 P-62	Sq. M	2323.00	2.40	5575.20	2x2.0x0.6=2.4
15	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with..... surface, if necessary or by synthetic adhesive & grout materials etc. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry slurry @ 0.20kg/Sq.m (a) Area of each tile upto 0.09 Sq.m (ii) Other than Coloured decorative including white	Sq. M	713.00	4.00	2852.00	Bio waste room 2.0x1.5=3.0 1.2x1.0=1.0
	(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 above 0.09 Sq.m (ii) Other than Coloured decorative including white It-35 P-64	Sq. M	1047.00	26.04	27763.88	2(1.50+2.0)1.2=8.4 6(1.2+1.5)1.2=18.44 less door 2x1.2x0.75=1.80
18	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. meter (followed by colour coated on both side) steel sheet work minimum side lap. (i) In Roof: (a) With 0.5 mm thick sheet It-14 P-82	Sq.M	787.00	10.50	8263.50	Bio waste room 3.5x3.0=10.50
19	M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1957 & IS:1161-1958) connected to one another with bracket, gusset, cleat as per design Hoisting and erection all complete. ii) For other Structural works like galleries etc. It-2A P-101	MT.	22816.00	0.06	4338.96	40x60x2.5 mm 4x3.0x2.02/1000=0.04 25x25x2.5 mm 3.5x3x1.74/1000=0.02
20	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 16 Kg./sq.mtr and above It-13 P-104	Qntl	9696.00	0.483	4683.17	1x1.0x2.1x20x1.15/100=0.483
21	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials. It-15 P-105	Sq. M	1304.00	1.62	2112.48	Front gate 2x0.9x0.9=1.62
22	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and IS: 4020 door testing performance criteria. (ii) 66mm x 70mm It-3 P-115	Mtr.	446.00	15.00	6690.00	Toilet Door-Frame 3x5.0=15.0
23	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic IS: 4020 door testing performance criteria. in ground floor, (ii) 25 mm thick It-14 P-125	Sq. M	2581.00	4.5	11614.50	Toilet Door shutter 3x2.0x0.75=4.5
24	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. (c) 40mm X 6mm, 125mm Length It-4 P-140	Each	20.00	18.0	360.00	Door ... 3x6=18
25	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark (v) 50 mm X 40 mm X 2.5 mm It-5 P-140	Each	26.00	9.0	234.00	Door ... 3x3=9

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
26	Iron socket bolt/tower bolt of approved quality fitted and fixed complete. (b) 100mm long x 10mm dia bolt. It-8 P-141	Each	40.00	15.0	520.00	Door ... 15
27	(i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 15mm dia rod with centre bolt and round fitting. (a) 200mm long It-10 P-141	Each	134.00	2.0	268.00	Door ... 2
28	(A) Iron door ring of approved quality fitted and fixed with nut and washer complete. (i) 50mm dia. It-24 P-143	Each	17.00	8.0	136.00	Door ... 8
29	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damages complete. (a) Upto area 2.5 Sq.m It-30 P-152	Sq. M	119.00	4.50	535.50	3x2.0x0.75=4.5
30	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raising out joints 1:4 cement mortar (a) 15 mm, thick plaster It-1 P-189	Sq. M	167.00	19.50	3256.50	Inside wall 2x3.0x1.50=9.00 2(2.0+1.5)1.5=10.50
	(b) 20 mm thick plaster	Sq. M	194.00	53.85	10446.90	Outer wall 2(2.5+2.0)2.65=23.85 60.0x0.50=30.00
	(c) 10 mm thick plaster	Sq. M	131.00	6.00	798.00	Ceiling 2x1.5x2.0=6.0
31	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 thoroughly, complete as per manufacturer's specification and as per direction of the FIC. (a) One Coat (i) Solvent based interior grade Acrylic Primer It-7 P-195	%Sq.M	3370.00	132.08	4451.10	6(2.0+1.2)2.4=46.08 2(2.0+2.5)3.0=27.00 2x4.25x3.5=28.0 2x(4.25+3.5)1.0=31.0
32	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive ... preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the FIC. In Ground Floor (a) One Coat It-8 P-196	%Sq.M	3140.00	23.85	748.80	2(2.5+2.0)2.65=23.85
33	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer including cleaning and smoothing of surface. Two Coats It-10 P-196	Sq.M	70.00	132.08	9245.60	6(2.0+1.2)2.4=46.08 2(2.0+2.5)3.0=27.00 2x4.25x3.5=28.0 2x(4.25+3.5)1.0=31.0
34	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) b) Premium 100% Acrylic Emulsion It-17 P-197	Sq.M	84.00	23.85	2003.40	2(2.5+2.0)2.65=23.85
35	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. It-4 P-197	%Sq.M	1017.00	132.08	1343.25	6(2.0+1.2)2.4=46.08 2(2.0+2.5)3.0=27.00 2x4.25x3.5=28.0 2x(4.25+3.5)1.0=31.0
36	(a) Priming one coat on steel and other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. It-1 P-200	Sq.M	29.00	7.38	214.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
37	(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 ; (b) On steel and other metal surface : With super gloss (hi-gloss) - (v) Two coats (with any shade except white) It-2 P-200	Sq.M	79.00	7.38	583.02	2x2.1x0.9=3.78 12x0.6x0.5=3.6
38	Supplying, fitting and fixing in position fibre glass panes of approved quality with resin, nail, clip etc. as per S:12866-1989. (c) 2.0 mm thick (5.72 Kg/Sq. m) It-7 P-206	Sq. M	937.00	3.00	2811.00	10x0.6x0.5=3.0
39	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to S:13592-1992 with all necessary including joining with jointing materials (Spun Yarn, Valamoid/ Bitumen/M-Seal etc) complete. A) UPVC Pipes: (ii) 110 mm. Dia. It-21 P-212	Metre	251.00	12.00	3012.00	4x3.0=12.0

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
40	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (vii) 25 mm dia	Each	778.00	5.00	3894.00	-
	(ix) 15 mm dia S&P It-5 P-5	Each	438.00	5.00	2190.00	-
41	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical/Sumthing LSSCO or similar brand). S&P It-7 P-6	Each	539.00	13.00	7007.00	-
42	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I), with all necessary accessories No separate payment will be made for accessories, specials. (a) For Exposed Work PVC Pipes 25 mm dia	Mtr.	177.00	45.00	7965.00	-
	(b) For Concealed Work 15 mm dia pipe S&P It-19(i) P-12	Mtr.	137.00	8.00	1096.00	-
43	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make without fittings and brackets. White S&P It-3 P-36	Each	1367.00	3.00	4101.00	-
44	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets with two coats of approved paint. (i) 550 mm X 400 mm size S&P It-2 P-41	Each	2208.00	3.00	6624.00	-
45	Supplying, fitting and fixing White Vitreous China Sink in position on C.I. brackets including two coats of painting of brackets. (b) Laboratory sink with rim and overflow (ii) 500 mm X 300 mm X 150 mm S&P It-6 P-42	Each	3442.00	2.00	6884.00	-
46	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets: (a) Sink only (ii) 630 mm X 550 mm X 180 mm S&P It-7 P-42	Each	3788.00	2.00	7576.00	-
47	Supplying, fitting and fixing 15 mm swan neck tap with left & right hand operating nob with aerator (Equivalent to Code No. 510, 510(A) and Model - TROPICAL / SUMTHING SPECIAL of ESSCO or similar brand). S&P It-2 P-41	Each	811.00	4.00	3244.00	-
48	Supplying, fitting and fixing pillar cock of approved make. (a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507& Model - Tropical/Sumthing LSSCO or similar brand). S&P It-19 P-45	Each	555.00	5.00	2775.00	-
49	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. (b) With 'S' Trap (with vent) S&P It-3 P-79	Each	3287.00	2.00	6574.00	-
50	Supplying, fitting and fixing bevelled edged mirror 5/8 mm thick silvered as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm S&P It-15 P-81	Each	484.00	3.00	1452.00	-
51	Supplying, fitting and fixing soap holder. (b) Fibre glass S&P It-18 P-82	Each	58.00	9.00	522.00	-
52	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (ii) 25 mm dia. and 750 mm long S&P It-22 P-82	Each	475.00	6.00	2850.00	-
53	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. It-1 P-275	Sq.Mtr.	1350.00	57.00	775.20	-
54	Removing scum from the bottom floor of service latrine washing the floor thoroughly and treating the same with ... of bleaching powder (including cost of bleaching powder). It-11 P-279	Sq. M	32.00	50.00	1600.00	200.0x0.25-50.0
55	Cleaning and removing conservancy garbage mixed with rubbish & other filthy materials from the road side flank, drain and compound including cutting, loading, unloading to and from truck or cart by Mather labour & removing ... any distance. It-12 P-279	%Cum	5667.00	0.20	1104.09	26.0x5.0x0.150/100-0.20

Item No.	Description of Items	Unit	Rate (Rs.)	Quantity	Amount (Rs.)	Measurement
55	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS-15622-2006 & IS-4457-2007 and testing shall be made in accordance with IS-13650 ... direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor). a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength >1200 N. It-1 Pa-280	Sq.M	897.00	17.00	15249.00	Toilet floor 2x1.75x7.0=5.00 1x2.0x3.0=12.0
57	Renewing chromium plating of bib cock/ stop cock/ pillar cock/ waste fittings. S&P It-16 P-26	Each	49.00	12.00	588.00	-
58	Supplying, fitting and fixing low down cistern parts. (i) Internal fittings for cistern complete of approved make. S&P I-1 P-38	Each	284.00	4.00	1136.00	-
59	Dismantling sink with brackets with or without waste fittings. (ii) Above 450 mm and upto 600 mm length. S&P I-5 P-46	Each	52.00	3.00	156.00	-
60	Dismantling and re-fixing Swan Neck Pillar Cock after necessary repairing, packing, washering complete. S&P I-30 P-48	Each	60.00	3.00	180.00	-
61	Repairing W.C. seat with brass plate and screws. S&P I-23 P-86	Each	82.00	4.00	328.00	-
57	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. With JSW/JSPL/SHYAM/ SRMB/SSL. S&P I-4 P-89	Each	1.00	16621.00	16621.00	-
58	Supplying, fitting and fixing in position R.C.C. Manhole/ pit-cover of approved make with rim of approved make (Heavy type) (i) 450 mm dia. S&P I-7 P-91	Each	3.00	276.00	828.00	-
59	Supplying, fitting and fixing 2Nos water purifier (Hi-flow) with storage facility (40 litres) All complete			Lump Sum	80000.00	-
60	Construction of waste disposal pit 1no of size 5'x4' depth 5' with 6"/w (1:4) and necessary pcc/icc, lid cover.... All complete.			Lump Sum	15000.00	-
					Total	Rs. 375742.02
					Add. GST @12.0%	Rs. 45089.04
					Total	Rs. 420831.06
					Add. LWF CESS @1.0%	Rs. 4208.31
					Total	Rs. 425039.37
					Add. 3% contingency	Rs. 12751.18
					Grand Total	Rs. 437790.55
					Rounded off	Rs. 4,37,791/-
Rupees: Four lakh thirty seven thousand seven hundred ninety one only.						

18.08.20
SAE (Civil), DPMU
NHM, DH & FWS, 24 PGS (M)

19/08/2020
AE, DPMU
NHM, DH & FWS, 24 PGS. (M)

Secretary
District Health & Family Welfare Society
& Chief Medical Officer of Health
North 24 Parganas