



Sub: Repairing & Painting of Dormitory, Canteen, Office block etc at DSC, Digha.

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
1.0	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 150m & upto at any level.	1	Cum	447.00	447.00
2.0	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed with a lead of 150m & at any level (upto 150mm thick).	1	Cum	939.00	939.00
3.0	Repairing of crack in wall/ roof 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. (Cement-69 Kg/100 m)	300	Mtr.	13.29	3,987.00
4.0	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 150m as directed.	300	Sqm.	19.00	5,700.00
5.0	Providing and laying in position Ordinary Cement concrete of specified grade with graded stone chips (20 mm nominal size) of Pakur variety excluding the cost of centering, shuttering and reinforcement, if any, in ground floor as per relevant IS codes.				
5.1	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	1	Cum	6,880.90	6,880.90
5.2	1:2:4 (1 Cement: 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	1	Cum	6,510.90	6,510.90
6.0	Cement concrete (1:1½:3) with graded stone chips 5.6 mm size with hexagonal/ square mesh wire netting, I.R.C. fabric mesh or X.P.M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge. Avg 40mm thick. <i>(This item will be done only after specific instruction of EIC.)</i>	50	Sqm.	577.00	28,850.00
7.0	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels, curved or straight including fitting, fixing and striking out after completion of works. 25mm to 30mm thick wooden shuttering as per decision and direction of Engineer-in-charge.	5	Sqm.	324.00	1,620.00
8.0	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/ upto 4 m using Tor/HYSD steel.	0.10	MT	68,053.00	6,805.30

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
9.0	Brick work with 1st class bricks (Class designation 75) in cement mortar (1:6) in superstructure at any floor.	1	Cum.	5,420.00	5,420.00
10.0	125mm thick brick work with 1st class bricks in cement mortar (1:4) in any floor.	5	Sqm.	712.00	3,560.00
11.0	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 at any height. With 1:6 cement mortar, 15mm thick plaster.	300	Sqm.	139.00	41,700.00
12.0	Neat cement punning about 1.5mm thick in wall, dado, window, sill, floor etc. NOTE: Cement 0.152 cu.m per100 sq.m.	20	Sqm.	34.00	680.00
13.0	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification				
13.1	Providing & applying rust removing compound (Sika Rustoff 100 or equivalent)	2	Kg	345.00	690.00
13.2	Providing & applying polymer modified anti corrosive protective coating (Sika Rustop or equivalent)	5	Kg	271.00	1,355.00
14.0	Providing & mixing polymer based water resistant bonding agent like Dr. Fixit 101 LW+ or equivalent in cement plaster as per manufacture's specification and direction of EIC.	10	Lit.	375.00	3,750.00
15.0	Grinding & Polishing of old marble or terrazo work or mosaic floor with oxalic acid powder using 33 gms/ sq.m. by manual labour / machine cutting whatever necessary.	500	Sqm.	80.00	40,000.00
16.0	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. (Make: Supreme, Oriplast or equivalent)				
16.1	UPVC Pipe: 110mm dia.	15	Meter	251.00	3,765.00
	UPVC Fittings				
16.2	i) Plain Tee: 110 mm dia.	1	Each	172.00	172.00
16.3	ii) Bend 87.5 degree: 110 mm dia.	4	Each	160.00	640.00
16.4	iii) Door Bend 87.5 degree: 110 mm dia.	4	Each	200.00	800.00
16.5	iv) Shoe: 110 mm dia.	4	Each	111.00	444.00
17.0	Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5mm thick) and prepare the surface even and smooth all complete.	100	Sqm.	110.00	11,000.00
18.0	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface in old or new work 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 at any floor. Water based interior grade Acrylic Primer One coat. Physical consumption of primer will be verified with the actual area of painted surface and penalty @Rs.130/lit will be imposed if any deviation is found with respect to the consumption of primer according to the manufacturer's specifications.	1500	Sqm.	30.80	46,200.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
19.0	Applying Acrylic Emulsion Paint of approved make and brand (Asian Paints Apcolite/ ICI Dulux Super Clean 3 in 1/ Berger Easy clean) on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : Two or more coats with Luxury Quality Acrylic Emulsion Paint. (Rate is inclusive of applying additional coats wherever required to achieve even shade and colour.) Physical consumption of paint will be verified with the actual area of painted surface and penalty @Rs.440/lit will be imposed if any deviation is found with respect to the consumption of paint according to the manufacturer's specifications.	1500	Sqm.	70.00	1,05,000.00
20.0	Applying pre treatment coat of approved quality and brand (ICI Aqatech Exterior Pre Treatment Coat or equivalent) over the exterior surface of slope roof, parapet walls etc. after thorough cleaning & scraping of moss, blisters etc. by means of scraper, wire brush & water jet all complete as per manufacturer's specification and direction of the EIC. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge)	1000	Sqm.	11.00	11,000.00
21.0	Applying Exterior grade Acrylic primer of approved quality and brand (ICI Dulux Weathershield Alkalibloc or equivalent) 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 thoroughly, complete as per manufacturer's specification and as per direction of the EIC at any floor. One Coat applied @ 0.9 ltr/ 10 sqm. (Make: ICI/ Asian Paints/ Berger/ Nerolac) Physical consumption of primer will be verified with the actual area of painted surface and penalty @Rs.220/lit will be imposed if any deviation is found with respect to the consumption of primer according to the manufacturer's specifications.	2200	Sqm.	31.40	69,080.00
22.0	Protective and Decorative Acrylic exterior emulsion paint of approved quality and brand (ICI Dulux Weathershield Max, Apex ultima of Asian paint, Barger Weather coat long life Flexo or equivalent), as per manufacturer's specification and as per direction of Engineer-In-Charge 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. Two or more coats applied @ 1.67 ltr/ 10 sqm with Super protective 100% Acrylic Emulsion paint. Rate is inclusive of applying additional coats wherever required to achieve even shade and colour. Physical consumption of paint will be verified with the actual area of painted surface and penalty @Rs.550/lit will be imposed if any deviation is found with respect to the consumption of paint according to the manufacturer's specifications.	2200	Sqm.	97.00	2,13,400.00
23.0	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. (This item is applicable to new work or old work when the original surface has been exposed by removal of old paint)	110	Sqm.	29.00	3,190.00
24.0	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. (This item is applicable to new work or old work when the original surface has been exposed by removal of old paint)	290	Sqm.	38.00	11,020.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
25.0	Painting with best quality synthetic enamel paint of approved make and brand (ICI Dulux 5 in 1 or Equivalent) including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.				
25.1	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on timber or plastered surface.	290	Sqm.	81.00	23,490.00
25.2	Two coats (with any shade except white) with super gloss (hi-gloss) of approved quality on steel or other metal surface.	110	Sqm.	79.00	8,690.00
26.0	Supplying & fixing 5mm thick bubble free float glass (coloured / tinted / smoke) of approved make and brand conforming to IS: 2835-1987.	10	Sqm	900.00	9,000.00
27.0	Renewing of worn out putty of glass panes of MS window, ventilators etc. including racking out the old putty and fixing of nails/ clip etc. wherever necessary.	50	Each	51.00	2,550.00
28.0	Renewing one point steel (oxidized) handle of steel door and windows as directed including painting complete.	10	Each	61.00	610.00
29.0	Renewing steel plated or oxidized casement stay or peg stay of steel window including painting two coats of approved paint all complete.	10	Each	70.00	700.00
30.0	Renewing hinge of steel shutter including taking out old one by cutting and fixing new hinges by welding and mending good damages complete.	10	Each	190.00	1,900.00
31.0	Removal of rubbish, earth, scrap material etc. from the working site and disposal of the same beyond the compound in truck loads in conformity with Municipal/ Corporation rules and as per instruction of Engineer – in – Charge.	1	L.S.	5,000.00	5,000.00

Cost of Civil works ::: 686546.10

GST, as applicable over cost of Civil work @ 18% ::: 123578.30

Cost of Civil works excluding labour welfare cess ::: 810124.40

Labour welfare cess @ 1% ::: 8101.24

Total amount of Civil Work ::: 818225.64

Say Rs. 818226.00

NOTE :

- 1 Tenderers should visit the site before quoting the rate to understand the nature of work and condition of the site.
- 2 Rates shall be quoted inclusive of all materials, **wastage**, labour, shifting charges, **taxes & duties** etc. required for this job. No additional payment shall be done by the BITM for this purpose.
- 3 The work shall be required to carry out without obstructing the visitors' movements and may also be required to carry out beyond office hours (if required) for which no additional payment shall be made.
- 4 Rates shall be inclusive of staging, scaffolding, tools & plants etc required for the job and at any height/ level.
- 5 Regarding the work, directives of the Engineer-in-Charge shall be final and binding.
- 6 **Required quantity of Primer and paint must be brought and stack at site at a time in sealed condition, before executing the work. The sealed containers must be got signed from the authorised person of DSC, Digha and the same empty containers (duly signed) shall be deposited to the office of DSC, Digha. The same empty container will be returned back to the contractor after certification of final bill.**
- 7 **Manufacturer's specifications for application of paint & primer with respect to the consumption and mode of application to be strictly followed. Physical consumption of primer & paint will be verified with the actual area of painted surface and appropriate penalty will be imposed if any deviation is found with respect to the consumption of primer/ paint according to the manufacturer's specifications.**

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
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- 8 All the materials must be approved by the Engineer-in- Charge before supplying at site.
List of Approved materials:
i) Cement: ACC/ Ultratech/ Lafarge/ Konark/ Ambuja.
ii) Interior Acrylic Emulsion: Asian Paints Apcolite/ ICI Dulux Super Clean / Berger Easy clean.
iii) Synthetic Enamel: Asian paints/ ICI Dulux/ Berger.
iv) Exterior Primer: Dulux Weathershield Alkali Bloc Primer or Equivalent.
v) Exterior Acrylic Emulsion: ICI Weathershild Max/ Asian paint Apex Ultima/ Berger Long life Flexo.
vi) Float Glass: Saint Gobain/ Modiguard/ AIS.
vii) Wall Putty: Birla white, JK, Asinpaints.

Signature with seal of the Contractor