

Indian Red Cross Society
Schedule of Quantities

Name of work: Repairing of toilets of IRCS, Class-1V Staff Quarters at 1-Red Cross Road, New Delhi.

Estimated Cost- Rs.9,81,164.00

Time Period- 90 days

S. No.	Description of item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	300 sqm	sqm		
2.	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge. a)Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	5 cum	cum		
3.	12 mm cement plaster of mix: 1: 4 (1 cement: 4 fine sand)	150 sqm	sqm		
4.	15 mm cement plaster on the rough side of single or half brick wall of mix: 1: 4 (1 cement: 4 fine sand)	150 sqm	sqm		
5.	Disposal of malba by mechanical transport with capacity of 300 cft approximately including loading and unloading.	5 trucks	cum		
6.	Providing and fixing 1 st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	150 sqm	sqm		
7.	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturers), of 1 st quality conforming to IS: 15622, of approved make, in colours White, Ivory, Grey, Fume Red				

	Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigment etc. complete.	30 sqm	sqm		
8.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering –All work up to plinth level: a)1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	5 cum	cum		
9.	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (I) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junctions of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junctions of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm)	40 sqm	sqm		
10.	Providing and fixing soil, waste and vent pipes: a)100 mm dia i)Centrifugally cast (spun) iron socket & spigot (S&S)pipe as per IS: 3989. b)75mm diameter i) Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	20 metres 30 metres	metre metre		
11.	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: a)100 mm inlet and 75 mm outlet i) Sand cast iron S & S as per IS: 3989	10 nos.	each		
12.	Providing and fixing plain bend of required degree. a)100 mm dia i)Sand cast iron S&S as per IS: 3989	6 nos.	each		

	b) 75 mm dia i) Sand cast iron S&S as per IS:3989	6 nos.	each		
13.	Providing and fixing single equal plain junction of required degree: a)100x100x100 mm i) Sand cast iron as per IS:3989 b) 75x75x75 mm i) Sand cast iron as per IS:3989	8 nos.	each		
		12 nos.	each		
14.	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern of size 580x440 mm with integral foot rests	10 nos.	each		
15.	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back Wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	6 nos.	each		
16.	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C waste fittings complete. Flexible pipe 32 mm dia	6 nos.	each		
17.	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia 125 mm nominal dia with 25 mm waste hole	20 nos.	each		
		8 nos.	each		
18.	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. Brass screws and washers compete.	16 nos.	each		
19.	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 100 mm 75 mm	20 nos.	each		
		20 nos.	each		

20.	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps i/c making good the walls etc. Internal work- Exposed on wall a)15 mm nominal bore b) 20 mm nominal bore	44 metres 132 metres	metre metre		
21.	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. a)15 mm nominal bore	10 nos.	each		
22.	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: a)15 mm nominal bore	10 nos.	each		
23.	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931: a)15 mm nominal bore	10 nos.	each		
24.	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) a)25 mm nominal bore	4 nos.	each		
25.	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length 15 mm nominal bore	36 nos.	each		
26.	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 25 mm nominal bore	8 nos.	each		
27.	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	8 nos.	each		
28.	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement :3 Coarse sand : 6 graded stone aggregate 20 mm nominal size)	582 kg	Kg		
29.	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction				

	with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: a) 35 mm thick including ISI marked Stainless Steel hinges with necessary screws	15 sqm	sqm		
30.	Providing and fixing aluminium sheet 1 mm thick on the flush door shutters.	10.00 sqm	sqm		
31.	Providing and fixing aluminium sliding door bolts, ISI marked anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade, with nuts and screws etc. complete: b)250x16 mm	10 nos.	each		
32.	Providing and fixing aluminium tower bolts, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: a)250x10 mm	24 nos.	each		
33.	Providing and fixing aluminium handles, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: a)125 mm	24 nos.	each		
34.	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	210 sqm	sqm		
35.	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade: New work (two or more coats) over and including water thinnable priming coat with cement primer.	210 sqm	sqm		
36.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over and under coat of suitable shade with ordinary paint of approved brand and manufacture	53 sqm	sqm		
37.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	173 sqm	sqm		

38.	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	10 nos.	each		
39.	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area 3 sq. metres and below	10 nos.	each		
40.	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: Old work (Two or more coats applied @ 1.43 ltr/10sqm) over existing cement paint surface.	4000 sqm	sqm		
41.	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven storey height made with 40mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes jointing with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with braces, runners, connection with the building etc. wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of the Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	300 sqm	sqm		
42.	Providing and fixing cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1;3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits. 40 mm thick	10 sqm	sqm		

43.	Centering and shuttering including strutting, propping etc. and removal of form for: Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	5 sqm	sqm		
44.	Steel reinforcement for R.C.C. work including straightening, cutting bending, placing in position and binding all complete above plinth level. Cold twisted bars	40 Kg	Kg		
45.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases up to floor five level , excluding the cost of centering, shuttering, finishing and reinforced with 1:2: 4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1 cum	cum		
				Total =	

Deputy Secretary
Indian Red Cross Society
National Headquarters
New Delhi

Encl: Special Conditions of contract

I/We have read the schedule of quantities and conditions and I/We agree to do the above work at the rates quoted above as shown in the schedule of quantities.

Contractor