

BOQ FOR CONSTRUCTION OF GUEST/FACILITY ROOM (3 NOS) AND BOUNDARY WALL ALONG WITH ALLIED CIVIL REPAIR WORK OF RSETI BUILDING AT FATEHGARH SAHIB

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	203.21	CUM		
	In cement mortar				
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.	282.14	CUM		
	All kinds of soil				
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	141	CUM		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :	28.21	CUM		
	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)				
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	175	CUM		
6	Centering and shuttering including strutting, propping etc. and removal of form for :	1114	SQM		
	Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc.				

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7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	19300	KG		
8	RCC PRECAST PRESTRESSED BOUNDARY WALL WITH COLUMN SIZE 175X175 MM AND PANEL SIZE 2100X300X50MM	444.42	SQM		
9	CREDIT OF OLD BRICK	180	CUM		
10	Repair of Existing Paver Bloch				
	<p>The work include removal of existing uneven paving blocks and stacking the same on another side.The uneven surface shall be be poured with the grit sand into the low spot and run a level over your screed pipe to remove any excess sand. This will act as your new laying course. You can use a trowel to level off the bedding sand; make sure that the new sand is level with the existing bed. With the area now level, make sure that the blocks to be re-laid are clean, dry and free of any excess sand. Use a soft hand brush to remove any debris and lay the new blocks tight to the remaining paving bricks. Following the original pattern of your driveway, make sure that the relaid blocks are spaced out evenly between the joints and use a rubber mallet to tap the pavers into place gently; just be careful not to damage the blocks. When re-sanding block paving, always use kiln dried sand and only work when the area is completely dry.</p> <p>Clear the area of small stones and organic material and apply dry sand to the joints in your paving. Make sure that all the areas that need re-sanding are covered, then use a stiff broom to work the fresh sand into each joint of your block paving. Take the time to ensure that the sand is adequately compacted into the joints, and sweep any remaining sand away., complete as per the direction of the Engineer-inCharge.</p>	100	Sq.mt		
11	Plint protection in CC	60	CUM		
12	Construction of Guest/facility room (2nos) along with toilets complete in all respect including fixtures & finishes				

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
13	230mm thick brick masonry : Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes (Old bricks from dismantled wall shall be used along with new bricks as/availability)	29	Cumt		
14	115mm thick brick masonry : Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level., including providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of brick masonry.	80	Sq.mt		
	Cement mortar 1:4(1 cement :4 coarse sand)				
15	Cement mortar Plaster				
	12 mm cement plaster of mix :				
	1:6 (1 cement: 6 fine sand)	516.5	Sq.mt		
	15 mm cement plaster of mix :				
	1:4 (1 cement:4 fine sand)	74	Sq.mt		
16	FLUSH DOOR				
	Providing and Fixing Factory manufactured flush doors along with 2-1/2" x 5" teak wood door frames t fixed in position iron hinges,tower bolts (2 no),Stopper,8"SS Handle (2 No),etc (excluding the cost of any fitting other than specified above but including labour for fixing the same in position.Commercial with elm or gurjan facing on both sides with 1mm approved shade laminate on both sides and lipped edges 35mm thick.	12.19	Sq.mt		
17	Door Closer - Providing and fixing silver colour (or matching with colour scheme as per site) hydraulic door closer Godrej / Hyper / Everrite make, to Doors complete in all respects.	6.00	Nos		
18	Mortice Lock -Providing and fixing silver colour (or matching with colour scheme as per site) Godrej make to Doors complete in all respects.	3.00	Nos		
19	Base course of floor consisting of 100 mm thick cement concrete 1:8:16 and 100 mm sand or stone filling	135	Sq.mt		

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
20	VITRIFIED TILE FLOORING				
	Providing & fixing vitrified tiles of size 800x800 mm or 1m x 1m of approved make in flooring laid in any pattern as specified over base of 20 mm thick cement coarse sand mortar 1:3, and jointed with white cement slurry mixed with pigment to match the shade to tiles. The tiles shall be of premium quality double charged (first quality) of reputed manufacture i.e. JOHNSON/NITCO/KAJARIA/SUNHEART The work also includes dismantling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site.	135	Sq.mt		
	Cost of Tile Rs. 70/ sq.ft inclusive of delivery, Octroi, loading- Unloading at site and all taxes thereon excluding GST.				
21	VITRIFIED TILE DADO & FLOORING in TOILETS				
	Providing and laying 1st quality Vitrified glazed/matt finish tiles 600mmx 600mm (as specified in Dado (thickness to be specified by the manufacturer approx 9mm) Water absorption of tiles shall be less than 0.5% and flexural strength (Modulus of Rupture) shall be more than 35 N/Sqmm. on 20 mm thick cement mortar 1:4(1 cement: 4 coarse) sand), including grouting the joints with white cement and matching pigments etc., complete. Approved makes(Nitco, Johnson, AGL, Kajaria) Basic rate of tile: Rs 60/-per Sq.ft	50.25	Sq.mt		
22	Providing and fixing Polyethelene-Aluminium-Polyethelene PE-ALPE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge.				
	Concealed work, including cutting chases and making good the wall etc.				
	1216 (16 mm OD) pipe	50	Rmt		

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	1620 (20 mm OD) pipe	35	Rmt		
	2025 (25 mm OD) pipe	25	Rmt		
23	Providing & Fixing in position European type water-closet suite (as approved by the Architect/Engineer-In-Charge), syphonic type consisting of:				
	HINDWARE : OLIVIA S-220 One Piece Closet or JAQUAR/CERA Rimless Single Piece WC with UF Soft Close Slim Seat Cover, Hinges, Dual Flush Cistern Fitting, Fixing Accessories And Accessories .				
	Complete in all respects including connecting with existing CI pipe with CI/PVC pipes , removing existing fixtures including cutting & making good the walls & floors.				
	Including Providing & fixing of stainlen steel JET set to be provided along European seat, fixed complete in all respects to the satisfaction of Architect/Engineer -In-Charge. Make:(VIKING/JAL)	3	NO'S		
24	Providing and fixing in position approved make C.P.Brass liquid soap dispenser fixed into wall with C.P. brass screws complete in all respects including cutting and making good the wall etc. Make: Jaquar ACN-1135N Soap Dispenser with Glass Bottle (Hindware/Cera)	3	NO'S		
25	Providing and fixing in position best indian make bevelled edge 5.5mm thick mirror mounted on asbestos sheet ground fixed in position by means of 4.no Chromium plated brass screws & washers over rubber washers & rawl plug embedded in the wall or Chromium plated brass clamps with c.p. brass screws (as required by the Architect/Engineer-In-Charge) complete including cutting & making good walls ect.Size(600x910mm)	4	Sq.mt		
26	Providing and fixing CP Brass towel ring complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and color. Make: Jaquar ACN-1121N Towel Ring Square with Round Flange (Hindware/Cera)	3	NO'S		

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27	Providing & fixing in position Lavatry suites cousistry of :-				
	PEDESTAL WB "ELEGANCE" – SW				
	C.I.Brackfast for building into wall including painting.				
	32mm C.P.Brass waste of standard pattern.				
	Including C.P Bottle Trap " Jaquar make" Code : ALD 769				
	All brass wok chromium plasted and complete in all respects including cutting & making good the walls,floors & paintry of fittings ect.	3	NO'S		
28	Providing & fixing CP Jali, complete in all respects.	9	each		
29	Providing & fixing G.I. reducer (Snw/ Unique) for floor drain, complete 75 x 50mm size.	2	each		
30	Providing & fixing C.P brass bib cock of approved make conforming to isi 8931 ORP-10037PM Bib Cock with Wall Flange(15mm nominal bore) Make : Jaquar/ Hindware	3	NO'S		
31	Providing & fixing C.P. brass stop cock conforming to isi:8931(15 mm nominal bore.) ORP-10053PM Angular Stop Cock with Wall Flange Make : Jaquar/ Hindware	15	NO'S		
32	PROVIDING & FIXING HAND SHOWER (HEALTH FAUCET) WITH 8mm DIA 1.2 METER LONG FLEXIBLE TUBE AND WALL HOOK ALD-CHR-573 (Make: Jaquar) equivalent of HINDWARE/KOHLAR	3	NO'S		
33	PROVIDING & FIXING EXPOSED PART KIT SINGLE LEVER DIVERTOR (VGP-81065NK- Jaquar) Consisting of Operating Lever, Wall Flange (with seals) & Button Only.,(Compatible with ALD 065N) Make Jaquar or Kholar/hindware	3	NO'S		

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34	PROVIDING & FIXING Concealed Body for single leveer Divertor 40mm Cartirdge with Buttom Assembly Cartridge Sleeve ALD 065N) Make Jaquar or Kholar/hindware	3	NO'S		
35	PROVIDING & FIXING Bathtub Spout with Wall Flange Stainless Steel SPJ-5429S- Jaquar or Kholar/hindware	3	NO'S		
36	PROVIDING & FIXING Concealed Body for single leveer Divertor 40mm Cartirdge with Buttom Assembly Cartridge Sleeve ALD 065N) Make Jaquar or Kholar/hindware	3	NO'S		
37	PROVIDING & FIXING EXPOSEDSingle Lever Basin Mixer without popup with 450mm long Braided Hoses VGP-81011B Make Jaquar or Kholar/hindware	3	NO'S		
38	COBA TERRACING				
	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:				
	Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
	After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin-charge.				
	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep.				
	The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.“All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	135.00	Sqmt		
39	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
	In 75x75 mm deep chase	49.00	Rmt		

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	4.00	No		
41	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	3000.00	Ltr		
42	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	110 mm diameter	25	Rmt		
43	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams	4	No's		
44	Providing and fixing to PVC Pipe class 3 6kg pressure 200mm dia for sewerage outlet, including all accessiores i.e. bend ,tee, unioin and all jointing material, complete in all respects with making necessary connections. The work also includes coencting the pipeline to existing sewer line. Make : Supreme/Astral/Ashirwad/Finolex	35	Rmt		

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45	Providing and fixing two track powder coated aluminum windows in 20 gauge standard tubular sections of approved make having two glazed panels of appropriate size running on two separate tracks in the channel conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. All the panels shall be of appropriate size having overlaps as required and including all required beadings, clips, rollers, rubber gaskets, cleats, etc. complete and powder coating in approved shade and colour.				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket as required.				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)				

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	The work shall be true in all respects like plumb and level having proper right angles and properly supported and fixed in the walls/columns/adjoining supports. The cost shall include 4-5mm thick reflective glass of approved shade and colour and having ultra violet light protection. Glass shall be of reputed brands like saint gobain, modiguard, etc. and colour and shade of both the glass and powder coating shall be as per approval. The tasks shall include filling of gaps, etc. between the aluminum sections and supports with appropriate means and materials.	12.00	Sqmt		
46	Paint & repair work				
	(a) internal OBD paint (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	1290	Sq.Mt		
	(b) external paint (Finishing walls with Acrylic Smooth exterior paint of required shade., New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	1935	Sq.Mt		
	(c) repair of plaster work	150	Sq.Mt		
47	Providing and Laying in position Rain water pipes (RCC pipes 300mm to 450mm dia as per drawing) disposal along with chambers made with Brick and RCC as per design & backfilling. The work also includes excavation as desired along with PCC below as per structural advise.	130	RMT		
	Total value of work				
	GST will be paid as applicable.				