

STATE BANK OF INDIA

RENOVATION OF HOSTEL BLOCK (RIGHT WING) AT SBILD MASULIPATNAM - CIVIL WORKS

BILL OF QUANTITIES

S.No.	Description	Qty	Unit	Rate	Amount
1	Buy Back - Removing Existing steel windows (Excluding Grill) & ventilator (22rooms - windows 2nos and ventilator-2nos and in Toilet Ventilator-1nos in each room) with Grill, Mosquitos net, False ceiling, Curtain rod, blinds, storages, Doors with frame and clear the debris away from the site. Quantities are approximatly. Contractors are advised to visit the site before quote. Rate should not be less than 66,000 (Sixty -Six Thousand only)	-1.00	Ls		
2	Dismantling Existing Toilet flooring, Brick jelly filling, chipping wall dado, pipe lines, sanitary fittings, virtified tile floor (Rooms, Lobby, Staircase) and removing the debris clear away from the premises upto municipal ground as directed by the Client / Architect.	22.00	Nos		
3	Dismantling 230mm Brick Work Dismantling existing 230mm thick brick walls in CM including the plaster finish and lintels.and removing the debris clear away from the premises upto municipal ground as directed by the Client / Architect.	17.00	Cum		
4	Dismantling 115mm Brick Work Dismantling existing 115mm thick brick walls in CM including the plaster finish and lintels and removing the debris clear away from the premises upto municipal ground as directed by the Client / Architect.	475.00	Sqm		
5	Chipping Existing Plastering and clear the debris away from the premises upto municipal ground as directed by the Client / Architect.	815.00	Sqm		
6	Anti-termite treatment Supplying the chemicals & carrying out pre-construction Anti-termite treatment with chlорpyrifos or Chlordane E.C 20% with 1% concentration at the various stages of construction as per IS 6313 (Part II 1981 and as recommended by the chemical manufacturer to safeguard the building against termite including execution and submission of guarantee for a period of 5 years against any subterranean pests infestation. This work is to be got executed through Pest Control (India) Ltd as per their specifications or an approved equivalent specialized agency.				
	Drilling to the Executed along the the external & Internal length of the wall at every 450mm (approx.) interval. Mode of Measurement consider for length of the wall one side only for all the walls.	635.00	Rm		

S.No.	Description	Qty	Unit	Rate	Amount
7	Earthwork in Excavation				
	Earthwork in Excavation, manually or by mechanical means, for foundation in soft rock, old cement / lime mortar Brick/RCC/Stone masonry foundation including removing the excavated material from foundation, stacking serviceable material beyond building area as directed at site. The Rate to include dewatering subsoil/ rain water, preparing the bed for the foundation, shoring sides wherever required and back filling foundation trenches with available approved quality surplus excavated material in layers in exceeding 20 CM,ramming, watering complete. Rate should also include disposal of surplus excavated material/debris to approved munuciple dumping yard with all lead and lift, including cost of transportation etc. complete as directed by Engineer-in-Charge.	6.00	Cum		
8	PCC 1:4:8				
	PCC 1:4:8 (1 part cement:4 parts Sand:8 parts stone aggregates of size 40 mm and down graded including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.	1.00	Cum		
9	PCC 1:3:6				
	PCC 1:3:6 (1 part cement:3 parts of Sand:6 parts stone aggregates of size 6 mm and down graded including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.	2.00	Cum		
10	Damproof injection to floor and wall junction				
	Supply and Application of Silicone Dampproof Injection at 1m c/c interval along the length of wall in a staggered position on both sides of the wall at the junction between the Floor and the vertical wall junction. Injection pressure: 350 to 700 kpa using nozzles with pressure tight seals- injection should be continued until saturation is complete. For very porous substrate inject at 150-350 kpa. it is most important to ensure a continous saturation along the substrates. Allow treated walls to stabilize for atleast 14 days to allow solvent vapur to disperse or water based DPC to reach equilibrium. Then render internally with renovation plaster. Rates to include opening of cracks, fixing the nozzles & making all other provisions as per the manufacturer specification / instructions to make the water tight structure only the affected area including necessary scaffolding, staging, formwork etc. for execution of work at any height and locations, complete	300.00	Nos		
11	RCC M25				
	Providing & laying in position Manual Mix Concrete machine vibrated plain cement concrete of controlled grades for reinforced cement concrete structural elements, as per structural design and as directed in specified compressive strength compressed in N/mm2 at 28 days as per IS 456-2000 using 20 mm or as specified size of black granite aggregates including design of concrete mixes, weigh batched proportioning, necessary lift and lead as specified finishing concrete surfaces, curing etc. complete Including centering / shuttering and Excluding reinforcement.				

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	The conversion of weigh volumetric one, if desired by the contractor, should be got approved from Engineer before execution. For concrete grade M 25 for Columns at all levels below and up to highest plinth level. M25 reinforced cement concrete in with a minimum cement content of 340 kg/cum	13.00	Cum		
12	Steel Reinforcement				
	Providing, fabricating and fixing in position reinforcement steel confirming to IS 1786 , CTD bars of grade Fe 500 / TMT bars produced by original manufacturer like SAIL / TISCO / Vizac including binding with 16 gauge GI wires (to be supplied by the contractor at his own cost). Welding if necessary etc. complete as directed. Payment will be made on the length basis and converted into weight by using standard. IS Co-efficients (rolling margins and wastage will not be paid).	1,690.00	Kg		
13	M.S.Grill				
	Removing and Refixing existing MS Grill with necessary MS Rod/Flat after the existing design and pattern to be embedded all around the Granite cladding.Rate should be inclusive of 2 Coat of Enamel paint over a coat of Anti-Corrosive primer.	92.00	Sqm		
14	230mm Brick Work				
	Providing and constructing brick masonry in C.M1:6(1 Cement, 6 Sand) with First class country burnt bricks of 22.9x11.2x7 cm size and approved quality(average compressive strength not less than 50kg/cm2) including scaffolding,curing and conveyance of all materials,labour, lead, lift, etc. complete for all types of masonry works as directed by Engineer-in-charge .				
	Super Structure	26.00	Cum		
15	115mm thick Brick Work				
	Half brick masonry 115mm thick partition walls in CM 1:4(1 Cement, 4 Sand) using bricks of strength 35 Kg/Sq.cm, reinforced with hoop iron 25mm by 15 gauge at every 4th course or 2 nos of 6 mm dia MS round rods at every 4th course embedded in CM including scaffolding, staging, curing, etc.,complete.	475.00	Sqm		
16	UPVC Framed openable Window / louver ventilator				
	Providing & fixing in position factory made uPVC white colour sliding window up to 1.50 M to 2.4M in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 15. to 2.52 mm thick depending upon the window galvanised mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimensions of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gaskets, wool pile, touch locks with hooks, with single nylon rollers (weight bearing capacity to be 80/ 150 Kg), SS fasteners 100 x 8 mm size for fixing frame to finished wall and 5 degree gradient slope in track (drainage track) comes with threshold, low threshold without threshold option & necessary stainless steel screws etc 8 mm thick toughened glass panes (ST 136), fixed in shutters, flush handle, C handle, D handle with locking arrangements as per manufacturers specifications etc. complete. 2 Side Hung Panels	92.00	Sqm		

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17	Inner wall Plastering				
	Providing and applying 12 mm thick plain cement plaster at all heights and below plinth in C:M 1:4 (1 part cement: 4 parts Sand)cement mortar to the inner walls over surface as specified including scaffolding, curing and finishing smooth. The plaster surface shall be rubbed with Iron Plate, till the surface shows cement paste in line and level complete as directed	685.00	Sqm		
18	Outer wall Plastering				
	Providing and applying average 12 mm thick Sand faced cement plaster at all heights cement mortar 1:4 (1part cement : 4 parts of Sand) using sponge to give uniform finish, on outer wall surfaces as per detail, including scaffolding, curing etc., complete as directed.	190.00	Sqm		
19	Ceiling Plastering				
	Providing and applying sand faced cement plaster average 10mm thk in two coats at all level with cement mortar 1:3 (1part cement : 3 parts of Sand) and using sponge to give uniform finish in ceiling at all types of concrete block surfaces. Rate should be including scaffolding, curing etc., complete as directed.	30.00	Sqm		
20	Water Proofing Plastering				
a	Providing and Applying Two part solvent free resin based Bonding Agent, Dr. Fixit Epoxy Bonding Agent or Equivalent over the entire surface at a coverage of 0.5 kg/ Sqm. When the surface is still tacky, Broadcasting of Zone 3 Graded fine sand to create a mechanical key for plaster. Rate should be including scaffolding, curing etc., complete as directed.	1,375.00	Sqm		
b	Supplying and applying of three coats of Food grade epoxy coating, Dr. Fixit Dampguard Classic or Equivalent @ 0.6 kg/Sqm in two - three coats. Rate should be including scaffolding, curing etc., complete as directed.	1,375.00	Sqm		
21	Interior Emulsion Paint with putty				
	Prepare surface and paint two coats of emulsion paint of approved colour and shade over a coat of primer including Alteck putty after thoroughly scrapping the Existing surface.Rate including scaffolding at all levels.	2,050.00	sqm		
22	Inner Ceiling emulsion paint - without Putty				
	Prepare surface and paint two coats of emulsion paint of approved colour and shade over a coat of primer after thoroughly scrapping the existing surface.Rate including scaffolding at all levels	95.00	sqm		
23	Enamel Paint				
	Prepare surface and applying two coats of Synthetic Enamel paint of approved colour and shade over a coat of anti corresive primer after thoroughly scrapping the Existing surface. Rate including scaffolding at all levels	50.00	sqm		
24	Vitrified tiles flooring				

S.No.	Description	Qty	Unit	Rate	Amount
	Providing and fixing 1st quality Vitrified tiles (600 x 600mm) of approved make and shade, and finished neatly to the manufacturers specifications. (Basic cost of Tile should not be less than Rs.700/Sqm). Single Batch tile only accepted. If any other hallow sound, scratches found the same shall be replaced at own risk and cost.				
	Cement Mortar (1:5) - 25mm avg thick cement mortar 1:5. rate should be inclusive of dismantelling the existing flooring.	649.00	Sqm		
25	Vitrified tile skirting				
	Providing and fixing 10mm thick vitrified tile for skirting of 100/300mm height with 12mm thick base mortar of CM 1:3 (1 cement : 3 sand) and filled neatly etc. complete.(Basic rate should not be less than - Rs.700 / Sq.m). Rate should be inclusive of cutting the existing wall and flush with existing wall.				
a	100mm high	540.00	RM		
b	300mm high	125.00	RM		
26	Granite cladding				
	Providing and Fixing 18mm thick Granite Cladding for all around the windows jambs with edge nosing , of approved Colour, shade and size in facing of walls with base mortar 1:4 (1 Cement : 4 Sand) Basic Material cost for granite not less than Rs.2500/- per sqm)	80.00	Sqm		
27	Ceramic tiles flooring				
	Providing and fixing approved make & shade of tile flooring of size 300mm x 300mm over and including a 20mm thick base of CM (1:3) (1 cement: 3 Sand) finished neatly to manufacturer's specifications. (Basic cost of Tile should not be less than Rs.550/sqm)	76.00	Sqm		
28	Wall Dado				
	Dado on walls with approved make and design of tile of size 300 x 450 mm of minimum thickness 7mm set with paper thin joints, over and including a 12mm thick base of CM 1:3 (1 cement : 3 Sand) with white cement slurry, to specification in:(Basic cost of tile should not be less than Rs.600/sqm). The corners to be finished with Dural Nosing. Additional cost not paid for Highlighter tiles.Highlighter as per Architect Pattern.	358.00	Sqm		
29	Brick Jelly concrete filling				
	Providing and filling brick jelly concrete / cinder in Toilet sunken area .	30.00	Cum		
30	Sunken slab - Water Proofing				
	20 mm cement plaster 1:3 (1 cement : 3 sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. Rate should be inclusive of water testing at adequate period, three year warrenty letter to be submitted by the contractor	70.00	Sqm		
31	European Water Closet - Floor Mount				
	Supplying and fixing approved make floor mounted European Water Closet (EWC) with flush tank fixing in wall dado using suitable fixing materials like brass screws T.W. plugs etc. (Hindware-Eureka 680 x 345 x 765mm/ 20112/CIST - 24061), or equivalent make.	21.00	Nos		

S.No.	Description	Qty	Unit	Rate	Amount
32	European Water Closet - Wall hung				
	Supplying and fixing approved make wall hung cascade European Water Closet (EWC) with flush tank fixing in wall dado using suitable fixing materials like brass screws T.W. plugs etc. (Hindware - Studio - 660 x 460 x 775mm / 20058 / cist- 21028)or equivalent make.	1.00	Nos		

S.No.	Description	Qty	Unit	Rate	Amount
33	Wash Basin Wall Mounded				
	Supplying and fixing approved make wash basin of size 550x400mm with 32mm CP waste fittings and CP bottle trap and with extension piece fitted with a pair of CI brackets complete with all fixing materials such as brass screws and T.W. plugs etc. Hindware - 10114 - 550 x 421 x 165mm or equivalent make	22.00	Nos		
34	SS Grab Bar with Hinges				
	Supplying and fixing SS Grab Bar with hinges and necessary fixing arrangements	4.00	Nos		
35	SS Grab bar				
	Supplying and fixing Grab Bari including fittings etc. Complete				
a	in Jaquar make WAC WHT BA1090 or equivalent model in approved make	4.00	Nos		
b	to a with in Jaquar make WAC WHT BR0600 or equivalent model in approved make	4.00	Nos		
36	Mirror with SS Stud				
	Supplying and fixing 6mm thick approved make clear mirror made out of 12mm thick BWR plywood back and finished neatly with necessary SS Stud. Rate should be inclusive of all necessary fixtures and fittings.	17.00	Sqm		
37	Towel Rack				
	Supplying and fixing S S Towel Rack of approved make 20mm dia, 600mm long with concealed brackets fixing to wall dado using suitable size non-corrosive screws, teak wood plugs etc. complete. Hindware AMZ-EXL-567 (600 x 240 x 220mm) or equivalent make	22.00	Nos		
38	Coat Hooks				
	Supplying and fixing approved make coat hooks with twin arms, heavy quality fixing to rear of wooden shutter of toilet doors with CP screws etc, complete. Hindware F880004 or equivalent make	22.00	Nos		
39	PVC Pipe for waste Lines				
	Supplying and fixing approved make PVC pipes and specials equivalent make including cutting pipes, fixing to walls or brackets using MS clamps, making joints using solvent cement solution, using ring seal couplers on size of pipes of fully sizes cutting walls or concrete surface, making grooves in masonry to conceal the pipes, restoring damaged portions with CM 1:4 and jelly, to their original condition, conducting leak test, fixing and removing temporary scaffolding, MS frame work & clamp for pipe laying, conveying dismantled debris and disposal of debris away from the site etc. complete.				
a	40mm dia. 6kg class pipes.	15.00	Rmt		
b.	63mm dia. 6kg class pipes.	45.00	Rmt		
c.	75mm dia. 6kg class pipes.	110.00	Rmt		
d.	110mm dia. 6kg class pipes.	275.00	Rmt		

S.No.	Description	Qty	Unit	Rate	Amount
40	Floor Traps				
	Supplying and laying custom built (prefabricated) CPVC floor sumps / floor traps fabricated out of 110mm dia 6kg Class CPVC pipes with inlet and outlets from 40mm upto 75mm, including providing water seal, fixing to a perfect level, laying cement concrete in 1:3:6 mix using 20mm size coarse graded aggregate, providing 150x150mm size C.P / CPVC Symet colour grating with frame around, at 4mm below finished floor level making holes in masonry or concrete cutting surfaces, conveying all dismantled portions and clearing the site, making leak proof joints and testing etc., complete and as directed.	46.00	Nos		
41	CPVC Pipe lines for Water Supply				
	Supplying and fixing approved make CPVC pipe with ISI brand fittings such as tees, elbows, unions, nipples, flanges, etc. including cutting, threading, cutting chassing in walls and concealing the pipes in wall wherever laid inside the toilet complete with making holes in walls, floors, slabs, etc. earthwork excavation, back filling to consolidation, redoing the distrubed portions,MS frame work & clamp for pipe laying, MS/brick in CM supports testing and commissioing complete as directed.				
a.	20mm dia CPVC pipe	500.00	Rmt		
b	25mm dia CPVC pipe	400.00	Rmt		
c	40mm dia CPVC pipe	350.00	Rmt		
42	Pillar Cock				
	Supplying and fixing 15mm CP pillar cock for wash basin. Hindware F280001 or equivalent make	22.00	Nos		
43	Angle Valve				
	Supplying and fixing 15mm CP inlet valve with CP connection Hindware - F280004 or equivalent make	44.00	Nos		
44	Wall Mixture				
	Providing & fixing 15 mm C.P. Brass Wall Mixer System of approved quality with 115mm long bend pipe on upper side of the mixer for overhead shower connection, aerator, wall flange, installation kit, fittings and fixtures as per the manufacturer's specification etc. complete as per the directions of Engineer-in-charge. Hindware - 280018CP or equivalent make	22.00	Nos		
45	Shower				
	Providing and fixing Wall mounted 150mm dia. S S Ultra thin Over Head Rain shower with 225mm arm- Square and other accessories, installed as per manufacturer's instructions with necessary fittings etc. complete as per the directions of the Engineer-in-Charge. Hindware - F160142CP or equivalent make	22.00	Nos		

S.No.	Description	Qty	Unit	Rate	Amount
46	Stop cock				
	Providing & fixing C.P. Brass Stop Cock consisting of stop cock, including C.P. exposed part kit having sleeve, handle and wall flange with all fittings and fixtures, complete as per the manufacturer's specifications and as per the directions of the Engineer-in-Charge.	22.00	Nos		
47	Ball valve				
	Providing & fixing ISI marked Brass Ball valve of approved quality with all necessary fittings and hardware etc. complete as per the manufacturer's specifications and per the directions of the Engineer-in-Charge.				
a	20mm dia.	45.00	Nos		
b	25mm dia.	20.00	Nos		
c	40mm dia.	10.00	Nos		
48	Two Way Bib Cock				
	Supplying and fixing 15mm CP two way bib cock. Hindware F520005CP or equivalent make	22.00	Nos		
49	Health faucet				
	Supplying and fixing ABS Double dock Health faucet with 1.2m S S Flexible hose and wall hook (chrome) Hindware F160001CP or equivalent make	22.00	Nos		
50	Providing and fixing injection port using 12mm dia aluminium pipe, injecting polymer modified cement grout using specially desifned grouting pump of the pressure of 2 to 3 kg/cm ² including necessary consumables, hire charges for pump etc, complete.	491.00	Nos		
51	Soap tray				
	Providing and fixing Soap tray of approved quality with all necessary accessories and hardware like screws, rawl plug including drilling holes in walls and making it good etc.	4.00	0.00		
	Total (Ex.GST)				