

BILL OF QUANTITY
Name of Work : REPAIR, RENOVATION WORK OF WORKERS COLLEGE AT JAMSHEDPUR

Sl. No.	Item No.	Description of works	Quantity	Unit	Rate (In Rs.)	Amount
A1	JR 5.10.10	Taking down old door and window shutters including stacking serviceable materials within 15M lead and disposal of unserviceable materials with all leads all complete as per direction of E/I.	8.0000	Each	30.34	242.72
		Total				
A2	JR 5.10.12	Taking down chaukhats in windows including stacking serviceable material within 15M lead and disposal of unserviceable material with all leads all complete as per direction of E/I.-	8.0000	Each	92.84	742.72
A3	JR 5.10.4	Dismantling Patent stone flooring including stacking serviceable materials in countable stacks 16M lead and disposal of unserviceable materials with all leads, all complete as per direction of E/I.	869.1830	Sqm	27.40	23815.6142
		Total				
A4	JR 5.10.7	Dismantling old plaster and pointing in cement or lime and raking out joints to 15mm depth watering and disposal of unserviceable materials with all leads all complete as per direction of E/I.	1283.1990	Sqm	14.43	18516.56157
		Total				
A5	JR 5.10.3	Dismantling R.C.C. work flooring including stacking serviceable materials in countable stacks 16M lead and disposal of unserviceable materials with all leads, all complete as per direction of E/I.	13.5580	Cum	1340.20	18170.4316
		Total				
A6	JR 5.2.14	Providing designation 75B Brick work in c.m. (1:6) superstructure and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm thick mortar joints, cost of screening materials, scaffolding raking out joints to 15mm depth, curing taxes and royalty all complete as per builidng specification and direction of E/I.	16.5100	M ³	3910.67	64565.1617
		Total				

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A7	JR 5.2.23	Providing designation 125 mm thick reinforced designation 75A brick work in C.M. (1:4) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including the cost of screening, carriage of materials, scaffolding, raking out joints to 15 mm depth, curing, taxes and royalty (but excluding the cost of reinforcement) all complete as per building specification and direction of E/I.	2.6100	Sq.m	530.21	1383.8481
		Total				
A8	JR 5.3.3	Providing P.C.C. M.100 with nominal mix of (1:3:6) in foundation with approved quality of stone metal grade III (50 mm to 25 mm size) clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing taxes and royalty all complete as per building specification and direction of Engineer-in-charge	3.4400	M'	4188.87	14409.7128
		Total				
A9	JR 5.3.14	Providing R.C.C.M 200 with Nominal mix of (1:1½ :3) in Columns with	13.5580	cum	7647.84	103689.4147
		Total				
A10	JR 5.5.4 + 5.5.5	Providing TMT steel reinforcement 8mm dia rods to 12mm dia as per approved design and drawing excluding carriage of M.S. roads (Straight or in coils) to work site, cutting, bending and binding with annealed wire with cost of wire removal of rust placing the rods in position all complete as per building specification and direction of E/I.	0.1300	MT	53433.91	6946.4083
		8mm dia Bars-10MM	0.6200	MT	53433.91	33129.0242
		12 mm	0.4900	MT	53433.91	26182.6159
		16 mm				
A11	JR 5.5.12	Supplying, fitting and fixing M.S Grill made of 20x6 cm M.S. flat as per approved designe and drawing, properly fabricated with joints continuous fillet welded and finished smooth, carriage of grill to work site, hoisting as per building specification and direction of E/I	980.2360	Kg	57.69	56549.81484
		Total				
A12	JR 5.3.2.1	Providing P.C.C. M.200 in nominal mix of (1:1:5:3) in foundation with approved quality of stone-do-	176.3760	M'	6543.32	1154084.608
		Total				

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A13	JR 5.6.23	Providing and laying 6mm precast white glazed tiles in walls over 12mm cement mortar (1:3) and joint with gry cement slurry flush pointed with white cement including rubbing polishing and cost of curring taxes, and royalty all complete as per building specification and direction of E/I	9.8600	Sqm	1025.83	10114.6838
		Total				
A14	Supply	Supplying the following bathroom fittings all complete V.I.P. bib cock long thread V.I.P	4.0000	Each	818.40	3273.6
A15	D.S.R 18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
		Concealed work, including cutting chases and making good the walls etc.				
A16	18.8.2 DSR 18.58 18.58.1	20 mm nominal outer dia Pipes Providing and fixing PTMT grating of approved quality and colour. C.P. Gratings Circular type - 100mm dia	10.0000	M	296.40	2964
			2.0000	Each	49.25	98.5
A17	JR 5.7.1	Providing 12mm cement plaster (1:3) with clean coarse sand of FM 1.5 including screening , curing with on leads and lifts of waterm scaffolding taxes and royalty all complete as per building specification and direction of E/I	394.9100	Sqm	146.42	57822.7222
		Total				
A18	JR 5.7.3	Providing 12mm thick cement plaster(1:6) with clean coarse sand of F.M1.5 including screening , curing with all leads and lifts of water, scaffolding taxes and royalty with all complete as per building specification and direction of E/I.	670.0000	m2	125.34	83977.8
		Total				

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A27	DSR 11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 , of approved make , in all colors and shades , laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	78.5500	Sqm	1119.40	87928.87
A28	DSR 11.46	Providing and laying vertifites tiles in different sizes (thickness to be specified by manufacturer) , with water absorption less than 0.08% and conforming to IS 15622 , of approved make , in all colors and shades , in skirting , riser in steepes , over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.	10.7000	Sqm	1135.20	12146.64
A29	DSR 13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete .	3606.3200	Sqm	118.70	428070.18
A30	DSR 13.46	Finishing walls with acrylic smooth exterior paint of required shade...	964.1660	Sqm	96.05	92608.14
A31	DSR 13.80	Providing and applying white cement based putty of average thickness 1mm , of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	964.1660	Sqm	87.35	84219.9
A32	DSR 22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm .	492.9300	Sqm	1034.65	502320.3165
A33	(a) (b) (c) (d)	Carriage of materials Brick -8 km (1k+7p) sand-10km Chips-22km Metal-22 km	6241.4500 116.1470 11.6600 169.0260	per 1000 M' M' M'	3153.99 1306.19 1334.87 1783.21	19685.47089 151710.0499 15564.5842 301408.8535
A34	Supply	Supplying the following bathroom fittings all complete				

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	V.I.P.	4.0000	Each	818.40	3273.6
	bib cock long thread V.I.P				
A35	NS				
	Fabricating, supplying, assembling and installing in position "2 track glazed sliding glazed aluminium windows" consisting of outer frames, shutter frames, Mullions transoms etc. (Jindal medium duty) assembled and fitted properly, single glazing made of 5mm thick float glass, saint gobing, including anchoring frames as approved, fixing and other accessories, providing and fixing sub frame in aluminium where called for, all sliding gear, lock and other hardware as required and as approved and all incidental work complete as per drawings and specification. Aluminum members frames & slats to be colour anodized (20 microns) in a proper plant or power coated to approved shade.	17.8500	Sqm	2450.00	43732.5
	Total				
	PHED				
A36	Supply				
	Supplying the following bathroom fittings all complete				
	V.I.P.				
	bib cock long thread V.I.P	4.0000	Each	818.40	3273.6
A37	D.S.R 18.8				
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	Concealed work, including cutting chases and making good the walls etc.				
	20 mm nominal outer dia Pipes	10.0000	M	284.85	2848.5
A38	DSR 18.58 18.58.1				
	Providing and fixing PTMT grating of approved quality and colour.				
	C.P. Gratings				
	Circular type - 100mm dia	3.0000	Each	32.75	98.25

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A39	1.3	Point Wiring in PVC Conduit, with Modular type Switch: Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit, with modular type switch, modular plate, suitable size of GI box etc as required.(Havells/Standard/L&T)	41.0000	Each	622.00	25502
A40	1.3-3	Gr-B				
	1.31	Supply and Fixing Light Plug Point with Modular Type Accessories: Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin, 5/6 amps modular socket outlet and 5/6 amps modular type switch, connection, painting etc as required. (Havells/Crabtree/ Standard)	10.0000	Each	328.00	3280
A41	1.32	Supply and Fixing Light Plug Point with Modular Type Accessories: Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin, 15/16 amps modular socket outlet and 15/16 amps modular type switch, connection, painting etc as required. (Havells/Crabtree/ Standard)	10.0000	Each	428.00	4250
A42	1.7	Circuit / Sub-main wiring in PVC Conduit: Wiring for circuit / sub-main wiring along with earth wire with the following sizes of PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit as required.(Havells/ Standard)				
	1.7.1	2x1.5 Sqmm + 1x1.5 sqmm earth wire	15.0000	Mtrs.	144.00	2160
	1.7.2	2x2.5 Sqmm + 1x2.5 sqmm earth wire	10.0000	Mtrs.	168.00	1680
	1.7.4	2x6 Sqmm + 1x6 sqmm earth wire	15.0000	Mtrs.	265.00	3975
A43	2.8	S/F SP MCB DB: Supplying and fixing of following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (Without MCB/RCCB/ISOLATOR). (Havells/Standard/Crabtree)				
	2.8.9	12 ways double door	2.0000	Set	1565.00	3130

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A44	2.11	S/F 'B' series SP MCB: Supplying and fixing 240 volts, 'B' series, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Havells/Standard/Crabtree)					
	2.11.1	6/32A Single Pole	Each	2.0000	183.00	366	
	2.12.7	50/63A DP MCB	Each	1.0000	740.00	740	
A45	1.33	S/F Ceiling Rose: Supplying and fixing 2 pin 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required. (Havells/Standard/Crabtree)	Each	5.0000	40.00	200	
A46	1.34	S/F Batten Holder: Supplying and fixing batten/angle holder including connection etc. as required.	Each	10.0000	47.00	470	
A47	1.27	S/F Modular Boxes, base & cover plate: Supplying and fixing following size / modules GI box along with modular base & cover plate for modular switches in recess etc as required. (Havells/Crabtree/ Standard)					
	1.27.1	1 or 2 module (78 mm x 78 mm x 45 mm)	Each	2.0000	171.00	342	
A48	1.41	ITC fluorescent fitting directly on surface :- installation testing and commissioning of Pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc, directly on ceiling / wall, including connection with 1.5 Sq. mm. FR PVC insulated, copper cond.	Each	30.0000	86.00	2580	
A49	1.44	ITC Ceiling Fan :- Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (Up to 30 cm) with 1.5 sq. mm. FRPVC insulated,copper conductor,single core cable etc, as required.	Each	20.0000	93.00	1860	
A50	1.25	S/F Modular type electronic fan regulator: Supplying and fixing stepped type fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required.	Each	20.0000	384.00	7680	
A51	1.48	ITC Exhaust Fan upto 450 mm sweep: installation of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to cut the size of the above fan, making good the damage, including connection, testing, commissioning etc as required.	Each	2.0000	454.00	908	

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A52	1.21	S/F PVC Conduit: Supplying and fixing of following sizes of PVC conduit alongwith the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required for Tele, RJ45 Cat 6 data outlet for computer network.					
	1.21.2	25 mm	10.0000	Mtrs.	88.00	880	
	1.21.3	32 mm	10.0000	Mtrs.	110.00	1100	
A53	Market Rate	Endura DL 15 W-4000K LED: Supply erection and commissioning of Endura light luminaire with 15W LED lamp and all accessories as required. (make Havells-LHEBGP6IA2W012 OR EQUIVALENT)	3.0000	Each	2640.00	7920	
A54	Market Rate	Endura DL 15 W-4000K LED: Supply erection and commissioning of Endura light luminaire with 15W LED lamp and all accessories as required. (make Havells-LHEBGP6IA2W012 OR EQUIVALENT)	4.0000	Each	2640.00	10560	
A55	Market Rate	Providing, fitting, fixing & testing of LED SW in existing battan / angle holder. (Make :- Model LHLDAGHEMDSX005 ,Havells)	4.0000	Each	385.00	1540	
A56	Market Rate	Supply of Exhaust Fan: fitting of 9" dia (metal) Turbo LD DLX EXH with metal blades exhaust fan in existing opening and fittings as required.	2.0000	Each	1820.50	3641	
A57	Market Rate	Supply of Ceiling Fan: fitting of 48" (1200mm) Sweep ceiling fan , Technix L BR 5 star with electronic regulator including connection with 1.5 sq mm copper wire, down rod all accessories as required. Make :- Crompton / Havells / GEC.	10.0000	Each	2216.50	22165	
		Total			Total A	4265269.08	
		cess 1%			B	42652.69	
		A+B				4307921.77	

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