

BEML LIMITED, BANGALORE					
Period of contract: Period of contract: Seven Months (07 Months)					
TENDER NO: 6300039906				EMD : RS 231900	
Sub:Renovation of existing Toilet (10 No.s) in BEML Factory at Bangalore complex, BEML Ltd., , Bangalore-560075.					
SCHEDULE 'A' - BILL OF QUANTITIES					
Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
A	CIVIL WORKS				
1	Providing and laying in position Plain Cement Concrete of mix proportion 1:2:4 average 100mm thick using 20mm graded granite aggregates over roof slab/chajja/ flooring works, laid to a proper slope & gradient, well compacted,mechanical/manual mixing including finishing the top surface neat & even by using extra cement by plastering, & necessary curing etc., complete all as specified and directed by the Engineer in charge. <b>Note:</b> The rate quoted for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary.	Cum	20.00		
2	Supplying & fixing of new 32 mm thick FRP Door shutter & frames with both side laminate finish for toilets with 1 No of brass aldop, 3 No's of brass hinges of 5 inches size, 2 No's of brass tower bolts, 2 No's of brass handles, 1 No of Door stopper, 1No of door closure, door knob, door stopper for each toilet with all necessary hardware items, fittings, fixtures etc., complete all as specified and directed by the Engineer in charge.	Nos	20.00		
3	Earthwork excavation by mechanical/ manual means in foundation trenches, pits not exceeding 1.50m in depth in all kinds of soil including getting out the excavated earth, dressing of sides, dewatering ground water/ rain water if any, compaction including disposal of debris/unserviceable surplus earth outside the site premises to a distance not exceeding 5.0KM not objected by local civic authorities including lead, lift etc.,complete all as specified and directed by Engineer in Charge.	Cum	30.00		
4	Providing and laying in Position Plain Cement Concrete M7.5 grade 1:4:8 using 40mm graded down size granite aggregate, machine mixed, well compacted for foundation bed, under floors and other similar works including curing etc.,complete all as specified and as directed by Engineer in Charge. <b>Note:</b> The rate quoted for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary.	Cum	10.00		
5	Dismantling the existing old mosaic floor/wall tiles including cement mortar bedding layer and disposal of unusable materials /debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead, lift etc.,complete all as specified and directed by Engineer in Charge. <b>Note:</b> 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular office atmosphere/ production activities. 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary."	Sqm	250.00		
6	Preparing the existing surface by cleaning, hacking etc., & Supplying and fixing Anti skid ceramic coloured floor tiles of minimum 300 mmX300 mmx8mm thick or bigger size of approved colour/pattern laid over a bedding layer of CM 1:4,15mm thick manufactured by M/s Nitco/Kajaria/Somany make to proper slope and joints neatly finished and pointed with jointing powder of matching colour pigment etc., complete all as specified and directed by Engineer-in-Charge. <b>Note:</b> 1)The rate quoted is deemed to include for all wastages. 2) The rate is deemed to include for hacking out old plastering & disposal of unserviceable materials from the premises.	Sqm	100.00		
7	Supplying and fixing coloured ceramic tiles for dado minimum size 450mm x 350mmx7mm thick or bigger size of approved colour/pattern laid over a backing coat of Cement Mortar 1:4,15mm thick manufactured by M/s RAK/Kajaria/Johnson/ Nitco and joints neatly finished and pointed with jointing powder of matching color pigment etc., complete all as specified and directed by Engineer-in-Charge. <b>Note:</b> 1) The rate is deemed to include for providing a dubbing coat of 15mm thick in Cement Mortar 1:6 on irregular face of walls. 2) Wastages. 3) The rate is deemed to include for hacking out old plastering & disposal of unserviceable materials from the premises to a distance not exceeding 5.0KM not objected by local civic authorities including lead, lift etc., complete all as specified and directed by Engineer in charge. 3) The basic cost of tiles shall not be less than Rs 65/sft.	Sqm	350.00		
8	Supplying and Laying the 20mm diameter, heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary etc., complete all as specified and directed by Engineer-in-charge. <b>Note:</b> The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	150.00		
9	Supplying and fixing Brass chromium plated Angular Stop cock (CON-CHR-053KN) of first quality, confirming to relevant IS, manufactured by M/s Jaquar all as specified & directed by Engineer-in-charge.	Nos	25.00		
10	Supplying and fixing 15mm diameter brass chromium plated Long body bibcock of first quality approved brand manufactured by M/s.Jaquar /Kohler/Equivalent make including all hardware accessories conforming to relevant IS etc., complete as specified and directed by Engineer in charge.	Nos	10		
11	Providing & fixing 160mm diameter 6kg/cm2 PVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees, & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in charge. <b>Note:</b> The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	120.00		
12	Providing & fixing 75mm diameter 6kg/cm2 PVC pipes manufactured by M/s.Supreme/ Astral or equivalent conforming to relevant IS for sanitary, waste water, laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees, tail pieces & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in charge. <b>Note:</b> The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	100.00		

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13	<b>LED MIRROR:</b> Supplying & fixing of new rectangular wall mounted Smart LED touch screen Mirror with beveled edge for toilets of Size : 4'X2' approximately , battery operated sensors for lighting as per the requirement etc, mirrors to be of first quality of M/s Venetian image/Philips/Equivalent including all necessary accessories and hard ware items etc.,all as specified and as directed by Engineer In Charge.	Sqm	10.00		
14	Supplying and fixing new table top hand wash basin (round/oval) of size 425x340x175mm (approx) of first quality, conforming to relevant IS, Manufactured by M/s Jaquar (Model-CNS-WHT-903) /equivalent model & shape in Jaquar including 32 mm diameter brass Chromium plated waste coupling (mode-ALD-CHR-705L130), stop cock/angle cock, bottle trap, waste pipe, with all hardware fittings & fixtures etc., complete all as specified and directed by Engineer-in-Charge.	Nos	10.00		
15	Supplying and fixing 25mm thick polished black Granite slab on brick support walls for wash basin. Granite to be polished on one side for laying on brick support walls jointed neatly with cement mortar and pointed with black oxide or coloured cement compound to match the colour of granite including cutting to template and grinding the edges nosing half round to the slab to fix wash basin & urinal partitions etc., complete all as specified and directed by Engineer in charge. Note: The quoted rate is inclusive of a) cutting the granite to template to fix the wash basin b) wastages. c) Brick wall supports will be measured & paid seperately under relevant item.	Sqm	6.00		
16	<b>C.I. NAHANI TRAP:</b> Providing and fixing 110mm diameter uPVC floor trap of self-cleansing design with 50mm water seal and with grated SS jali of required size with all necessary fixtures and fittings etc., complete all as specified and directed by Engineer in Charge.	Each	45.00		
17	Supplying & fixing 100mm diameter chromium plated grating of reputed manufacturer conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	Each	45.00		
18	Supplying & fixing 110 mm diameter PVC Air vent cowl Manufactured by M/s Supreme conforming to relevant IS etc including all fittings & fixtures etc., complete all as specified and as directed by Engineer in charge.	Each	10.00		
19	Supplying and fixing vitreous chinaware white wall hung flat back ceramic urinal basin Model: C0583/C0575 (Combo set) of size minimum 380mmx405mmx590mm or bigger the size manufactured by M/s. Parryware/ Hindware/Cera/ including, flush pipe, waste coupling, waste pipe, accessories etc., of reputed manufacturer conforming to relevant IS etc complete set and fixing / bedding urinal against wall in cement mortar 1:2, securing urinal with bolts including brass screws, pointing around urinal back in cement mortar and with all drain outlet fittings.etc., complete all as specified and directed by the Engineer-in-charge.	Nos	15.00		
20	Supplying & fixing soap dish/tray manufactured by M/s Parryware/ Hindware/CERA /Johnson including all fittings & fixtures etc., complete all as specified and directed by Engineer-in-charge.	Nos	25.00		
21	Returning & Filling the available earth in plinth, trenches & foundations, the earth of non swelling type, free from organic materials, consolidating in layers of not more than 200mm including watering compaction, etc., complete all as specified and as directed by Engineer in Charge. <b>Note:-</b> Net consolidated volume shall be measured for payment purpose.	Cum	20.00		
22	<b>UPVC SLIDING WINDOWS:</b> Removing the existing old MS Windows and handing over the same to M/s BEML Ltd & providing patch plastering for jambs in CM 1:4 and Providing and fixing new factory made uPVC white colour sliding glazed window upto 1.95 m in height dimension, manufactured by M/s NCL VEKA, Promonce , Encraft comprising of UPVC multi chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc complete to suite the overall size of openings all as directed and specified by the Engineer in charge. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Three track three panels sliding window with fly proof SS wire mesh(Two nos. glazed of tinted type / sunlight control film to be provided & one no. wire mesh panels)made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm). and for providing heavy sheet float glass panes in glazed doors, windows and clerestory window shutters with 6mm thick glass panel etc., complete all as specified & as per instructions of Engineer - in charge.	Sqm	40.00		
23	Providing and fixing 100mm wide venetian blinds of window fashion fabric of M/s Vista Levalor/Mac/NR industries / Window fashion make, with 50mm thick powder coated channel with balance, imported crylic self alignable mechanism and equally placed spacers a, imported tilting of approved shade/colour and design etc.,complete including all necessary accessories and hard ware items all as specified and as directed by Engineer In Charge."	Sqm	20.00		
24	Supplying and fixing Brass chromium plated long body Pillar Cock with sensor control battery operated of first quality, confirming to relevant IS, manufactured by M/s Jaquar (Model-FLR-CHR-5021M)/ Kohler/Equivalent in Jaquar etc., complete all as specified & directed by Engineer-in-charge.	Each	10.00		
25	Preparing the surfaces of ceiling by scrapping, sand papering, cleaning dust, dirt etc, and applying 2 coats of premium plastic emulsion paint of approved colour, manufactured by M/s Asian/Berger Paints, conforming to relevant IS over a coat of primer etc., complete all as specified & directed by Engineer in charge. <b>Note:</b> The rate quoted is include for a) providing and removal of scaffolding wherever necessary. b) covering doors windows, floors, fittings etc., to protect from splashes.c) Washing floors, cleaning glass, joinery, electric fittings etc., and leaving the premise clean and tidy.	Sqm	100.00		

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26	"Providing & applying Bitumat Synroof High Build elastomeric premium quality liquid waterproofing system as detailed below: a) Supplying and applying premium quality acrylic waterproofing primer @ 250 grams per square meter after diluting as per the manufacturer's recommendations by allowing 3 to 4 hours for the primer to dry completely. b) Applying 2nd coat of premium quality acrylic waterproofing coating @ 350 grams per square meter using roller /brush after diluting as per the manufacturer's recommendations and simultaneously over this install 60 GSM thermally stabilized polyester reinforcement with 100mm side Laps and 150mm end laps and applying additional coat of premium quality acrylic waterproofing coating @ 350 grams per square meter using roller / brush. To Ensure there are no wrinkles or folds on the reinforcement membrane and allow it to dry for 24 hours. Applying final coat of premium quality acrylic waterproofing system @ 350 grams per square meter using roller / brush after diluting as per the manufacturer's recommendations after 24 hours of drying.	Sq.M	100.00		
27	Complete removal of the existing top loose surkhi, brick bat coba / lime concrete carefully without damaging the RCC slab, over the roof slab including disposal of debris outside the site premises which is not objected by any civic authorities etc., including tools, tackles etc, complete all as specified and directed by Engineer in charge.	Cum	20.00		
28	Cleaning the Roof slab using wire brushes, water washing and removal of rank vegetation, all foreign materials and applying a coat of cement slurry with cement at the rate of 3kg/Sqm over the thoroughly cleaned roof slab as a preparatory course including tools, tackles etc., complete all as specified and directed by the Engineer in charge.	Sq.M	100.00		
29	Supplying and mixing M/s. Fosroc make CONPLAST X42 IC/WL while rendering for the roof slab and parapet wall surfaces as per Manufacturers instructions (200ml/bag of cement) etc., complete all as specified and directed by the Engineer in charge.	Litres	30.00		
30	Supplying and fixing SS 450mm long Towel Rod of first quality, confirming to relevant IS, manufactured by M/s Jaquar (ACN-CHR-111BSM) all as specified & directed by Engineer-in-charge.	Nos	15.00		
31	Supplying and fixing new coloured vitreous chinaware Rimless, Wall hung European type water closet complete set with concealed flush tank of approximate size (530mmx380mmx400mm) size with flushing cistren of 12 litres capacity of first quality, conforming to relevant IS, Manufactured by M/s /Jaquar/Kohler/Equivalent in Jaquar including white PVC seat cover, brass Chromium plated angle cock, 450 mm long PVC Connecting pipe,' P' or 'S' Trap with rack bolt , health faucet complete set.concealed type angular stop cock/angle cock, waste pipe with all hardware accessories etc., complete all as specified and directed by the Engineer-in-charge.	Nos	10.00		
32	Supplying & fixing 15mm diameter brass chromium plated quarter turn 2 in 1 Bib cock of first quality approved brand manufactured by M/s.Jaquar/Kohler/Equivalent in jaquar including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in Charge	Nos	12.00		
33	Supplying & fixing PVC SWR Gully trap 125/110mm of M/s.Supreme / Astral make including jointing with solvent cement.etc., complete all as specified and directed by Engineer in charge.	Nos	10.00		
34	Supplying and Laying the 25mm diameter, heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary etc., complete all as specified and directed by Engineer-in-charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary	Rmt	150.00		
35	Supplying and Laying the 25mm diameter Ball Valve of first quality, reputed manufacturer etc.,complete all as specified and directed by Engineer-in-charge. <b>Note:</b> The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Nos	25.00		
36	CINDER FILLING: Removing of existing cinder/filler material and providing and filling new cinder to the common toilet area and WC including removing existing cinder, and disposal of unusable materials /debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead, lift etc, complete all as specified and directed by Engineer in Charge."	Cum	20.00		
37	WATERPROOFING OF SUNKEN AREA: Providing water proofing treatment over sunken slabs of toilets using admixtures of CERA/FOSROC/SIKA/DR.FIXIT/ASIAN or other approved equivalent make with standard procedures specified by manufacturer and approved by the Engineer in Charge. The treatment to be carried out by authorised applicator of the approved manufacturer." The brief methodology to be followed are as below: Cleaning the surface with wire brush on the slab to remove all deleterious matters. Cutting of 'V' grooves along the cracks and wall-slab joints and filled with cement sand mortar admixed with anti-shrink additives, (modified styrene butadiene rubber (SBR) based) at dosages as specified by the manufacturer.	Sqm	100.00		
38	Supplying and fixing new Health faucet with 8mm dia, 1mtr long Flexible PVC tube with wall Hook of first quality, confirming to relevant IS, manufactured by M/s Jaquar (Model-ALD-CHR-563)/ equivalent in M/s. Jaquar etc., complete all as specified & directed by Engineer-in-charge.	Nos	12.00		
39	Supplying and fixing Brass chromium plated Soap Dispenser with glass bottle of first quality, confirming to relevant IS, manufactured by M/s Jaquar (ACN-CHR-1135N) all as specified & directed by Engineer-in-charge.	Nos	10.00		
40	Supplying and fixing Fancy type bathroom corner glass shelf with bracket of first quality, confirming to relevant IS, manufactured by M/s Jaquar (Model-ACN-CHR-1173)/ equivalent in M/s. Jaquar etc., complete all as specified & directed by Engineer-in-charge.	Nos	10.00		
41	Supplying and fixing 200mm antique Brass Mortise lock set with Handle of first quality, conforming to relevant IS, Manufactured by M/s Godrej/Everite/Dorma/Ozone etc of reputed manufacturer etc complete all as specified and directed by Engineer in charge.	Nos	20.00		
42	Supplying and fixing Door closer of first quality, conforming to relevant IS, Manufactured by M/s Godrej/Everite/Dorma/Ozone etc., complete all as specified and directed by Engineer in charge.	Nos	20.00		

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43	<b>FALSE CEILING</b> - Supplying and fixing gypsum board false ceiling (L shape with true line ) in G.I. frame in 24 to 26 guage main frame bottom to bottom distance at 600mm, with cross patties at 450mm centre to centre with 24 to 26 guage angle cleats size 25mm X 25mm supported at 750 mm centre to center with 12 mm gypsum ceiling board of first quality, conforming relevant IS, manufactured by M/s Knauf / India Gypsum with sheet metal screws. The rate shall be inclusive of cutouts for lights. The ceiling shall be in perfect level and smooth in finish etc. all complete and as specified and directed by Engineer in charge. Note : Rate quoted for the item deemed to include all wastages Note: The rate is deemed to include for Providing & removal of scaffolding wherever necessary b) Wastages. 3) Removing all splashes, dirt, etc. and leaving premises in a clean state. The cost to include scaffolding at site .	Sqm	50.00		
44	Construction of soak pits of size 4'x10' depth by doing earth work excavation in all kinds of soil, concrete and installation of pit chambers/pre cast cement rings with covered top including all plumbing works, installation of PVC Pipes, and making provisions for connecting of pvc pipes including refilling back the excavated earth in sides of trench, including transportation all lead lift & disposal of debris outside the site premises etc., complete all as specified and directed by Engineer-in-Charge.	JOB	12.00		
45	Hacking the existing old mosaic flooring tiles by mechanical means, & providing & laying over the existing mosaic flooring 10mm thick premium quality glazed/matt vitrified tiles of approved size, shade, pattern, manufactured by M/s. Naveen/ Johnson/ Kajaria/Somany/RAK in flooring & skirting (150 mm height approximately), & fixed with epoxy based tile adhesive of M/s FOSROC/ROFF/equivalent for flooring and Cement mortar 1:4 15 mm thick backing coat for skirting. The tiles shall be provided with 3mm spacers with epoxy tile grout of approved colour of M/s. Roff/Fosroc for the joints etc., complete all as specified & directed by the Engineer in Charge. <b>Note:</b> (1) Skirting tiles will be measured and paid on area basis. (2) The quoted rate is deemed to include for all wastages.(3) The basic cost of tiles shall range between Rs 90/sft to Rs.100/Sft inclusive of GST. manufactured by M/s.RAK/Johnson/Kajaria.	Sq.M	15.00		
46	Hacking out the existing plastering from existing brick/concrete surfaces to receive new plaster including disposal of debris outside the site premises which is not objected by any civic authorities etc.,	Sqm	250.00		
47	Providing & fixing 110mm diameter 6kg/cm2 PVC pipes manufactured by M/s.Supreme/ Astral or equivalent conforming to relevant IS for sanitary, waste water, laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees, tail pieces & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in charge. <b>Note:</b> The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	150.00		
48	Dismantling the existing Brick masonry wall in any thickness including disposal of debris outside the site premises which is not objected by any civic authorities and the quoted rate shall include for all lead & lift etc., complete all as specified and directed by Engineer in charge.	Cum	20.00		
49	Providing & constructing Burnt brick masonry of required thickness in Cement Mortar 1:6 using first class table moulded bricks including necessary curing etc., complete all as specified and directed by Engineer in charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Cum	20.00		
50	Rendering/Plastering 15mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surfaces even & smooth, curing,tools & tackles etc., complete all as specified and directed by Engineer in charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Sqm	350.00		
51	Supplying and fixing new coloured vitreous chinaware floor mounted European type water closet of Model No: Elite EWC C0297/C0278 of approximate size (530mmx380mmx400mm)/ bigger size with low level PVC flushing cistern of 12 litres capacity of first quality, conforming to relevant IS, Manufactured by M/s Parryware/M/s Hindware/M/s Cera including white PVC seat cover, brass Chromium plated angle cock, 450 mm long PVC Connecting pipe, 'P' or 'S' Trap with concealed brackets, flush pipe, health faucet with gun & flexible connection pipe, drain outlet fittings and necessary fittings, fixtures and hardware including making good the walls/floor wherever required etc., complete all as specified and directed by the Engineer in Charge.	Nos	5.00		
52	Supplying and fixing white vitreous chinaware countertop hand wash basin of 600mm diameter approximately or approved size manufactured by M/s. Parryware/ Hindware /M/s.Cera/ conforming to relevant IS, fixed in 20mm thick Granite slab & jointed neatly finished with cement mortar and pointed in cement slurry/jointing powder with matching pigment including all accessories such as 32mm diameter brass chromium plated waste coupling of M/s Parryware/Hindware, PVC connection pipe of length 450mm, angle cock / stop cock etc., all lead, lift, tools, labor etc., complete all as specified and directed by the engineer-in-charge. Note: The rate quoted for this item shall be excluding 20mm thick granite slab which will be measured and paid under relevant item.	Nos	5.00		
53	Supplying and fixing Urinal Spreader of first quality approved brand conforming to relevant IS etc., manufactured by M/s paryware/Hindware make etc.,complete all as specified and directed by Engineer-in-charge.	Nos	10.00		
54	Removing the existing urinal basin and stacking at a place all as shown & Supplying and fixing vitreous chinaware white urinal basin manufactured by M/s. Parryware/ Hindware/Cera/equivalent approved make including flush pipe, waste coupling, waste pipe etc., of reputed manufacturer conforming to relevant IS complete set and fixing / bedding urinal against wall in cement mortar 1:2, securing urinal with bolts including brass screws, pointing around urinal back in cement mortar and with all drain outlet fittings.etc., complete all as specified and directed by the Engineer-in-charge.	Nos	10.00		
55	Supplying and fixing brass chromium plated Push cock of first quality approved brand conforming to relevant IS etc., manufactured by M/s Parryware/Hindware/Equivalent make etc.,complete all as specified and directed by Engineer-in-charge.	Nos	10.00		
56	Preparing the existing old Painted external walls by scrapping, sand papering, including providing necessary repairs to cracks, scratches and cleaning the surface from dust, dirt and applying two coats of Exterior emulsion paint (ACE) with touch up putty wherever necessary of first quality approved colour manufactured by M/s.Asian Paints/Berger etc., complete all as specified and as directed by Engineer in charge.	Sq.M	650.00		

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57	Supplying and fixing 15mm diameter brass chromium plated pillar cock of first quality conforming to relevant IS manufactured by M/s.Jaquar /Parryware/ Hindware/ equivalent approved make including necessary accessories etc., complete all as specified and directed by Engineer in charge.	Each	5.00		
58	Removing the Wooden door shutter of size approximately 1.20m x 2.10m carefully by manual means carefully without breaking, stacking at a place all as shown & providing patch plastering for jambs in CM 1:4; complete all as specified and as directed by Engineer in Charge. <b>Note:</b> The rate quoted is deemed to include for making good the adjacent portion of wall/plastering if damaged during dismantling.	Each	20.00		
59	Preparing and complete removal of the existing surface of internal walls by scrapping, sandpapering, removing dust & including providing necessary repairs to cracks and filling the cracks with suitable crack filling compound and applying 2 or more coats of Premium Plastic emulsion paint of approved colour/shade manufactured by M/s. Asian Paints-(Royal Shyne)/Berger Paints-(Silk Glamour Matt or Sheen) over a coat of royal primer and 3mm thick full putty etc., complete all as specified and as directed by Engineer in Charge. Note: The rate is deemed to include for Providing & removal of scaffolding wherever necessary b) Wastages. 3) Removing all splashes, dirt, etc. and leaving premises in a clean state.	Sqm	600.00		
60	Providing & laying bedding layer of 20mm thickness in Cement Mortar 1:6 in floor & skirtings, finished smooth & even to required gradient etc., complete all as specified and directed by Engineer in charge.	Sqm	20.00		
61	Dismantling the existing wall panelling consisting of wooden framework, plywood, laminate/veneer sheets of any description including beading, nails, screws etc., complete carefully without damaging the adjacent walls / panelling / surfaces including segregating and stacking separately the serviceable materials and unserviceable materials. The serviceable materials shall be handed over to M/s BEML Ltd in good condition and the unserviceable materials shall be disposed away from the site upto a distance not exceeding 5.0KM and not objected by local civic/ BEML authorities etc., complete all as specified and as directed by Engineer in Charge. <b>Note:</b> The rate quoted is deemed to include for making good for any damaged adjacent surfaces during dismantling.	Sqm	10.00		
62	Supplying & fixing Wall Acoustic By using 50 x25 x 0.8mm thick aluminium hollow section frame grid of Jindal or equivalent on existing wall with infill polyester wool and 12 mm exterior grade MDF of approved brand Archid ply or equivalent on frame work to create proper 1st level level by using screws , adhesive to receive 12 mm thick KARIKA PET panel of Moisture and fire resistance of approved color to form a combination of design pattern to be select by BEML limited . The designed KARIKA PET panel to be surrounded by 1 mm thick Archid laminate with backing of 10 mm thick exterior grade MDF to match the overall design level of KARIKA PET panel . The design pattern to have approximate 30 to 40 % laminate panel and 70 to 60% KARIKA PET panel . Quoted rate to include with all wastage , labour , transportation etc Entire wall panelling to be measured under this item	Sqm	50.00		
63	Supplying and fixing of Aluminium Column Corner guard with 3M tape and silicon , Labour and power tools etc., complete all as specified and as directed by Engineer in Charge.	Rmt	40.00		
64	Supplying and fixing of Eassy stick bent profile aluminium Skirting -of 60mm ht by using Slilcon , Tape and labour & power tools etc., complete all as specified and as directed by Engineer in Charge.	Rmt	20.00		
65	Demolition/ dismantling the existing cement concrete flooring/hard standing concrete of any description and in any position not otherwise specifically provided etc. and stacking of serviceable materials if any and disposal of unusable materials/debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead, lift etc., complete all as specified and directed by Engineer in Charge. <b>Note:</b> The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities.	Cum	20.00		
66	Providing Factory made Mirror polish on granite by applying chemical with due process to have both side same polish with laser finish bull nosing on granite divider complete all as specified and directed by Engineer in Charge.	Nos	40.00		
67	Complete chipping and removal of existing old cement plaster of any thickness provided over RCC roof slab/ parapet /chajja top including removal of old water proofing APP Membrane wherever present carefully without damaging the existing structure and disposal of debris out side the site premises exceeding 1.5KM but not exceeding 5.0KM which is not objected by any civic authorities including tools & tackles etc., complete all as specified and as directed by Engineer in charge. Note: The rate is deemed to include for providing & removal of scaffolding/staging wherever necessary.	Sqm	100.00		
68	Providing plastering 20mm thick in cement mortar of mix proportion 1:4 over roof slab/concrete surface and admixed with M/s. Fosroc make CONPLAST X42 IC/WL (200ML/Bag of cement) and the surface finished smooth and even etc., complete all as specified and directed by the Engineer-in-charge. Note: M/s. Fosroc Conplast X42 IC/WL water proofing chemical shall be measured & paid separately under relevant item.	Sqm	100.00		
69	Supplying and fixing 15mm diameter brass chromium plated quarter turn short body Bibcock of first quality approved brand manufactured by M/s.Jaquar/Kohler/ equivalent including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in Charge.	Nos	15.00		
70	Supplying, fixing and installation of wall fixed Vanity counter with SS 304 grade , 4 no of 100mm base for rest room by using 19 mm BWP plywood for Caracas confirming to IS:303 of M/s Archid Ply/ Kit Ply/ Century Ply/ Samrat/ Green Ply and inside / outside finished with selected 1 mm laminate on both sides with approved colour of laminates confirming to IS : 2046-1995 - sunmica,Greenlam, Archid, Adhesives- Fevicol, Vamicol, Jeevancore with necessary hardware Items of M/s Hettich,Ebco,Godrej. The storage has a shutter with 2 no SS handles. The counter to have 18 mm black granite with edge polished . Selected wash basin to be of table mounted on granite with sensor control battery operated long body jaguar faucet size of the storage is 600mm(L) x 600mm (W) x 700mm (H ). All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections.	Nos	15.00		
71	Cutting holes in brick walls built in cement mortar without damaging the adjacent walls etc, and making good the dismantled portion with cement mortar 1:3 including curing etc., complete all as specified and directed by Engineer in charge.	Nos	10.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
<b>B</b>	<b>ELECTRICAL WORKS</b>				
71	Supply & fixing of 12 Way SPN DB with accessories MCB / MCCB Distribution Boards, wall-mounted (either surface or recessed type). Space provision shall be made for mounting ELCB in the incomer MCB. The rate shall be same for any combination of outgoing.	Each	2.00		
72	<b>POWER &amp; CONTROL CABLES;</b> Supply, laying & testing of 3 Core x 6 Sq. mm copper unarmoured PVC Cable for ac unit of 1.1 KV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying.	Meters	100.00		
73	<b>Cable End Termination:</b> Supply and providing & installation of the 2x4sqm+2.5x1copper wire end terminations with copper cable lugs, single compression brass cable glands, taping, crimping, gland and earthing etc. complete as required.	Metres	100.00		
74	<b>SWITCHES AND SOCKET OUTLETS; Industrial type</b> Supply, erection, testing and commissioning of factory-made metal clad totally enclosed with cast aluminium housing with industrial socket/interlocked combined rotary switch and socket with scrapping earth connection and plug top (all switches & sockets shall be housed in painted MS boxes). The erection rate shall include supply of angle iron frame work and fixing accessories such as grip bolts / grouting etc. 32 Amps, 2 pole MCB isolator with plug and socket polycarbonate enclosure for UPS incomer and outgoing with IP 44 protection	Each	6.00		
77	<b>SWITCHES AND SOCKET OUTLETS; Commercial type</b> Supply, erection, testing and commissioning of power points by providing following switches/sockets mounted flush on to the furniture partition wall or fixed to surface or recessed boxes with all fixing and wiring accessories. SITC with following items suitable for green building energy efficient standard.1 x 20 Amps, 3-pin (250Volts) single phase universal socket with 20 Amps single pole MCB mounted plug and socket board with IP40 accordance with IS 13033, IS8123, IEC/EN 60439-3 configuration shall be round type. From the scope of supply (for AC power).	Each	4.00		
78	SITC with following items suitable for green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 1 x 16 amps 3 pin shuttered modular socket with 16 amps switch mounted on modular plate and box for raw power supply	Each	12.00		
79	<b>SUB MAINS / CIRCUIT MAINS / POWER WIRING;</b> Supply and running of 1100 V grade <b>PVC</b> insulated copper conductor (FRLS) wires in 2 mm thick PVC conduits (FRLS). The rate shall include supply and installation of all materials like conduits, wires, fixing accessories etc. 32 mm, dia (FRLS) PVC conduit with all accessories.	Meters	25.00		
80	25 mm, dia (FRLS) PVC conduit with all accessories.	Meters	50.00		
81	19 mm, dia (FRLS) PVC conduit with all accessories.	Meters	50.00		
82	<b>POINT WIRING;</b> NOTE: Light point controlled directly by switch in switch board shall be measured under the heading SUB-MAINS / CIRCUIT MAINS / POWER WIRING only. Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit. Single light point not more than 7M length controlled by 6 Amps switch.	Each	10.00		
83	Two light point of not more than 13M length controlled by 6 Amps switch.	Each	10.00		
84	Two Way switch controlled by one light point	Each	4.00		
85	Three/4 light points of not more than 15M length controlled by 6 Amps switch.	Each	5.00		
86	5/6 light points of not more than 20M length controlled by 6 Amps switch.	Each	5.00		
87	8/10 light points of not more than 25M length controlled by 6 Amps switch.	Each	4.00		
88	Exhaust fan point with wall-mounted 5A 3-pin socket near fan location and 10 Amps single pole controlling switch located independently. The rate shall also include supply of 5 Amps 3 pin plug top.	Each	2.00		
89	<b>LIGHT FIXTURE / CEILING / EXHAUST FANS;</b> Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. SITC 16 W LED tube light batten type 4 ft fitting with IP 20 protection steel body with 6500 k light fixture of PHILIPS, BAJAJ, HAVELLS, WIPRO, any reputed make/brands	Each	15.00		
90	SITC 9 W LED round light recess mount suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures of (PHILIPS, BAJAJ, HAVELLS, WIPRO, any reputed make / brands	Each	10.00		
91	SITC 36 W LED SQUARE /round light recess mount suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures of (PHILIPS, BAJAJ, HAVELLS, WIPRO, any reputed make/ brands)	Each	10.00		
92	SITC 1 X 18 W LED round/square light recess mount suitable for false ceiling Aluminum diecast polycarbonate body 230 v i/p white fixtures of M/s (PHILIPS, BAJAJ, HAVELLS, WIPRO, any reputed make/brands)	Each	4.00		
93	SITC OF LED STRIP LIGHT WITH WATER PROOF COVERING Technical data • Rated voltage: 12V DC • Power consumption: 20W/m • Luminous efficiency: 6-7lm/LED • Number of LEDs: 2X120pcs/m • LED type: SMD3528 20 MTR STRIP WITH SUTABLE DRIVE FOR THE SAME	Each	8.00		
94	SITC OF 300 mm impeller dia, 1400 rpm exhaust fan (1- phase) 5 blades, whose aerodynamic design ensures a greater amount of air circulation and are attached in a balanced structure. The sweep size is 300mm for this aesthetically appealing product. (HAVELLS/ BAJAJ/ USHA/ ALMONARD)	Each	1.00		
95	Supply and installation of 9 " Exhust fan with accessories	Each	8		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
96	Supply and installation of 12 W 2 Feet Slim LED Tube Light with accessories to be fixed above the mirror Make Bajaj	Each	8		
97	Supply and installation of 4 + 1 Switch plate with Box contain 4 nos switch and 1 nos socket of 5 Amp with accessories Make Anchor	Each	8		
98	Supply and installation of 5 + 1 Switch plate with Box contain 5 nos switch and 1 nos socket of 5 Amp with accessories Make Anchor, Lisha	Each	2		
99	Supply and installation of Switch 5 Amp with accessories Make Lisha, Anchor	Each	50		
100	Supply and installation of socket of 5 Amp with accessories Make Lisha, Anchor	Each	8		
101	Supply and Installation of 1" pipe by doing civil work is required to fix the switch box, power point and for pipe laying where ever necessary	RMT	30		
102	Supply and installation of 1R x 2.5 sqmm multistand copper wire(Red colour)+1R x 2.5 sqmm multistand copper wire(Black colour)+1R x 1.5 sqmm multistand copper wire(Green colour for earthing ) Make Finolex, Havell's	RMT	250		
<p><b>Note:-1. The rate quoted for the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary.</b>  <b>2) The contractors/ prospective bidders shall visit the site and acquaint themselves with the site conditions before submission of bid/ quote.</b>  <b>3) The contractor to note that the dismantled materials should be removed and shifted immediately from the site premises without disturbing the regular office atmosphere in the area and the rate is deemed to include for the same.</b>  <b>4) The firm shall make own arrangement for transporting/shifting of old dismantled items to salvage stores/ debris outside the site premises.</b></p>					
<b>Total Value of Work Excluding GST (Rs)</b>					
<b>GST Rs.</b>					
<b>Total Value of all work including GST (Rs)</b>					

(Total Amount in words Rupees.....  
.....)

Signature of the Contractor with seal