

BEML LIMITED, BANGALORE		
Tender Number: 6300040023	Period of contract:	Eight Months (08 Months)
	EMD Amount :	Rs. 2,98,200

Sub:Repair & Renovation of various offices viz., offices in admin building at Ground Floor & First Floor at Bangalore Complex, BEML Ltd, Bangalore.

SCHEDULE 'A' - BILL OF QUANTITIES

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
A	CIVIL WORKS				
1	Preparing and complete removal of the existing surface of ceiling 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	1000.00		
2	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	2500.00		
3	UPVC SLIDING WINDOWS: Removing the existing old MS Windows and handing over the same to M/s BEML Ltd & providing patch plastering for jambs in Cement Mortar 1:4 and Supplying and fixing factory made uPVC 3-track glazed sliding windows with SS flymesh shutter, ventilators colour, manufactured by M/s. Prominace / NCL VEKA/FENESTA with profile made out uPVC sections (profile colour-white) fitted with 6.00 mm thick clear toughened glass including arrangements like weather sealed beading, gaskets, suitable coupling parts, sliding pop up handle, locking system and all standard hardware like screws, nails, protected section etc complete to suit the overall size of openings as specified and directed by manufacturers instruction. Note:-Rate quoted for the item deemed to include for providing and removal of scaffolding wherever necessary	Sqm	125.00		
4	Supplying and fixing new roller blinds manufactured by M/s. Vista/Mark/window wagon approved brand 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	200.00		
5	Removing the Wooden door shutter of size approximately 1.05m x 2.10m carefully by manual means carefully without breaking, stacking at a place all as shown & refixing back the shutter in the same location with necessary modifications including altering the height of shutter if required including providing & fixing all necessary hardware items viz 125mm size MS door hinges, 150mm size aluminum aldrop, 150mm size aluminum powder coated tower bolts, 150mm size aluminum powder coated handles, door stopper etc., complete all as specified and as directed by Engineer in Charge. Note: The rate quoted is deemed to include for making good the adjacent portion of wall/plastering if damaged during dismantling.	Each	40.00		
6	Dismantling the existing old mosaic skirting tiles including cement mortar bedding but not backing coat and removing debris from the premises exceeding 1.5km but not exceeding 5km not objected by local civil authorities etc., complete all as specified and directed by Engineer-in-charge. Note: The dismantled materials should be removed immediately from the premises without disturbing the regular office atmosphere.	Sqm	115.00		
7	VITRIFIED TILES FLOORING OVER EXISTING MOSAIC FLOOR INCLUDING SKIRTING & BOARDER TILE : Hacking the existing flooring and Providing and laying premium quality glazed Vitrified tiles over existing mosaic flooring with roff adhesive of size approximately (2'x4') (thickness to be specified by manufacturer), manufactured by M/s NITCO/RAK/Johnson/Kajaria tile adhesive to be made up of M/s BAL ENDURA/ROFF/FOSROC/PIDILITE/LATICRETE with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.as per instructions of architect. (Basic price of tiles shall not be less than Rs.130/Sft). The clear dimension of floor and skirting in Sq. m will be taken for measurement. (Thickness of tiles to be 10 mm as per the instructions of Engineer in charge). The tiles laid after placing electrical conduit over the existing floor etc., complete all as specified & as per instructions of Engineer - in charge.	Sqm	1200.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
8	Removing the existing old wash basin/SS Sink & handing over the same to M/s BEML and Supplying and fixing 1.0mm thick Stainless steel Kitchen Sink of size 915mmx460mm with bowl size 410mm x 330mm x 160mm approximately or approved size manufactured by M/s. Jaguar/Parryware/ Hindware/Cera make conforming to relevant IS, fixed in 20mm thick Granite slab & jointed neatly finished with cement mortar and pointed in cement slurry/jointing powder with coloured matching pigment including all accessories such as plug, waste pipe, cantilever cast iron brackets, connecting unions, waste coupling, waste pipe, angle cock / stop cock etc., all lead, lift, tools, labour etc., complete all as specified and directed by the engineer-in-charge. Note: The rate quoted for this item should be excluding 20mm thick granite slab which will be measured and paid separately under relevant item.	Nos	6.00		
9	Hacking the existing wall surfaces and supplying and fixing coloured ceramic dado tiles for dado minimum size 600mm x 300mmx7mm thick or bigger size of approved colour/pattern laid over a backing coat of Cement Mortar 1:4,15mm thick manufactured by M/s Nitco/Kajaria/Somany/RAK approved make and joints neatly finished and pointed with jointing powder of matching colour pigment etc., complete all as specified and directed by Engineer-in- Note: 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 dismantling the existing old mosaic wall tiles in any thickness, including existing old washbasin, hacking out old plastering & disposal of unserviceable materials from the premises.	Sqm	35.00		
10	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	3.00		
11	Supplying and fixing 20mm thick polished black Granite slab on brick support walls for fixing of Stainless steel Sink and jointed neatly with cement mortar and pointed with black oxide or coloured cement compound to match the colour of granite including template cutting to required size to fix the sink including providing the bull nosing to the edges around the slab etc complete all as specified and directed by Engineer in charge. Note: The quoted rate is inclusive of a) cutting the granite to template for fixing of the SS Sink. b) wastages. c) Brick wall supports will be measured & paid separately under relevant item.	Sqm	18.00		
12	Hacking the existing old plastered surface and providing Rendering 15 mm thick in Cement Mortar 1:4 on brick or concrete surfaces including finishing the surface even & smooth, curing, tools & tackles etc., complete all as specified and directed by Engineer-in-charge. Note: The rate quoted for the item deemed to include for a) Providing & removal of scaffolding wherever necessary b) Wastages	Sqm	200.00		
13	Supplying and fixing 15mm diameter quarter turn brass chromium plated pillar cock of first quality conforming to relevant IS manufactured by M/s.Parryware/ Hindware/ Jaquar/Johnson make including necessary accessories etc., complete all as specified and directed by Engineer in charge.	Each	6.00		
14	Supplying and fixing 15 mm diameter brass chromium plated angle/ Stop cock of first quality manufactured by M/sParryware/Johnson/ Hindware/Jaquar make including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	No	6.00		
15	Supplying & fixing 40mm diameter Bottle trap of first quality, approved brand conforming to relevant IS manufactured by M/s.ESS /Parryware /Johnson/ Hindware of model no: (G3403A1/G5103A1) including necessary accessories etc., complete all as specified and directed by Engineer-in-charge.	No	6.00		
16	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. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	RMT	100.00		
17	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	40.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
18	Providing & fixing 110mm diameter 6kg/cm ² PVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, rain 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. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	RMT	100.00		
19	Supplying & fixing in position M/s. Jaquar (ARI-39347S/SOL-6347/FLR-5347N) make swan neck brass chromium plated wall mounted sink cock with swinging spout with wall flange with necessary hardware/accessories etc., complete all as specified and directed by Engineer in charge. (Note: The warranty certificate from the manufacturer shall be submitted to BEML)	No	6.00		
20	Supplying and fixing brass chromium plated towel rail 600mm long of M/s. Jaguar/parryware/Hindware with all fittings, accessories etc., complete all as specified and directed by the Engineer in charge.	No	6.00		
21	Supplying and fixing/installing new powder coated aluminium partitions of approximate height 3.0 m using standard aluminium sections manufactured by M/s. Jindal/ Hindalco/ Indal/ equivalent make, conforming to relevant IS, comprising of rectangular hollow tubes measuring not less than 63.5mm x 38.10mm x 2.50mm for outer frame, verticals and horizontals. The minimum thickness of the powder coating shall be 50 microns. The centre to centre distance between the vertical members shall not be more than 1.2 m approximately. The bottom and top panels of the partition shall have a height of 0.95 m approximately and shall be fixed with 12mm thick both sides decorative prelaminated particle board of approved colour and shade conforming to relevant IS manufactured by M/s.Archid/ Kitply/ National/Greenply. The middle panel of the partition for an approximate height of 1.10 m shall be fixed with 5mm thick plain / frosted glass conforming to relevant IS manufactured by M/s. Modiguard / SaintGobain, including necessary hardware and accessories viz., EPDM rubber / neoprene gaskets, snap beading, aluminium glazing clips, screws, etc., complete as per site conditions and all as specified and directed by Engineer in charge.	Sqm	70.00		
22	Modification of doors, Windows by removing the existing glass and putting the composite panel with all round teakwood beading, BWP Plywood for shutter and hardware if any require to replace to achieve good condition including repolishing the door / window with wood guard, including replacing all the hardware fittings of doors with new fittings viz., tower bolts, hinges, aldrop, doorstopper, mortice lock, door closure etc., complete all as specified & directed by Engineer-in-charge . Note: 1) Removing the old glasses of door & window approx 4 nos of glass per door & 4 nos of glass per window of different sizes is considered as complete one (01) Number. 2) The Contractor's quoted rate is deemed to include for all wastages etc.,3) Contractor to make a sample and take approval from Engineer in charge.4) Approx. size of door panels..a) 0.3x0.2, 0.32*0.32,0.32*0.68.. b) window panels..0.45*0.53, 0.45*0.32	Nos	200		
23	Supplying and Fixing 3mm thick high glossy (4x8) size PVC Marble sheet of first quality approved brand for wooden doors including all necessary accessories & fixing with adhesives, tape/stickers etc., complete all as specified and directed by Engineer In Charge.	Sqm	400		
24	Supplying and fixing new powder coated aluminium single leaf openable /sliding door of approximate height 2.10 m using standard sections manufactured by M/s. Jindal/ Hindalco/ Indal/ equivalent make, conforming to relevant IS. The top, middle and side members of openable door shall comprise of sections measuring not less than 50mm x 44.50mm x 2.50mm. The bottom panel shall comprise of sections measuring not less than 101.60mm x 44.45mm x 2.50mm. In case of sliding door, heavy duty sliding channel of standard section along with roller wheels, gear box etc., shall be fixed for smooth sliding of the door panel. The minimum thickness of the powder coating shall be 50 microns. The bottom panel of the door for a height of 0.95 m approximately shall be fixed with 12mm thick both sides decorative prelaminated particle board of approved colour and shade conforming to relevant IS manufactured by M/s.Archid/Kitply/ National/Greenply. The top panel of the door for an approximate height of 1.10 m shall be fixed with 5mm thick plain / frosted glass conforming to relevant IS manufactured by M/s. Modiguard/ Saint Gobain, including necessary hardware and accessories viz., EPDM rubber / neoprene gaskets, snap beading, aluminium glazing clips, screws, handles, locking arrangement, floor spring of approved brand manufactured by M/s. Dorma/Everite/Hardwyn etc., complete as per site conditions and all as specified and directed by Engineer in charge.	Sqm	4.00		
B	ELECTRICAL WORKS				
25	Supply and installation of 50sqmmx4core armoured cable with clamping at every 2' distance and where ever necessary wall hole has to be drilled to run the cable. Make: polycab, KEI, Havells etc., complete all as specified and directed by Engineer In Charge.	RMT	60.00		

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
26	Supply and installation of 6 sqmm copper wire 4 runs which has to be fixed on ceiling and tapping to the individual room with pvc pipe/trough. make: havells, v-guard, finolax etc., complete all as specified and directed by Engineer In Charge.	RMT	500.00		
27	Supply and installation of 24Ways distribution box mcb 63a 4pole 01no 10a mcb single pole 20nos, make: schinder, seimens, havells, Abb etc., complete all as specified and directed by Engineer In Charge.	NO	2.00		
28	Supply and installation of 50 sqmm 4 core cable end termination etc., complete all as specified and directed by Engineer In Charge.	NO	2.00		
29	Supply and installation of 4x4 pvc box with 32a connector and suitable pg gland and lug etc., complete all as specified and directed by Engineer In Charge.	NO	40.00		
30	Supply and installation of 2.5sqmm copper wire 2runs and 1.5 sqmm 1run for light control circuit with pvc casing and capping make: polycab,v-guard, finolax etc., complete all as specified and directed by Engineer In Charge.	RMT	2500.00		
31	Supply and installation of 4 sqmm 2 run, 1 sqmm 1 run from main distribution box to air condition point with fixing on the wall pvc casing and capping. make: havells, v-guard, finolax etc., complete all as specified and directed by Engineer In Charge.	RMT	450.00		
32	Grounding making a hole and inserting a gi pipe 6 feet length, copper plate 13'x12', tightening bolt and nuts with 6 swg from bottom of the gi pipe to distribution box charcoal and salt of about 6 inches depth, 3 layers with fiber base and lead to indicate grounding point and also civil work etc., complete all as specified and directed by Engineer In Charge.	NO	2.00		
33	Supply and installation of Open type modular plastic box 6 way/8 way with 5 amps switch 2/3 numbers, 5 amps socket 02 nos. make: havells, anchor etc., complete all as specified and directed by Engineer In Charge.	NO	250.00		
34	Supply and installation of Open type combined box 15a mcb 01 no, 15a socket 01 no with indicator for power supply to ac circuit, printer, induction 250 nos with fixing pvc pipe casing and capping. make-Anchor, Havells etc., complete all as specified and directed by Engineer In Charge.	NO	350.00		
35	Supply and installation of modular type switch etc., complete all as specified and directed by Engineer In Charge. 5A	NO	250.00		
34	Supply and installation of modular type Socket etc., complete all as specified and directed by Engineer In Charge.	NO	250.00		
36	Supply and installation of modular type Electronics fan regulator 350 watts 5 speed control etc., complete all as specified and directed by Engineer In Charge.	NO	250.00		
36	Replacing with new switch and fan fixing plate of necessary size removing existing one at locations etc., complete all as specified and directed by Engineer In Charge.	NO	100.00		
<p>Note:-</p> <p>1) The rate quoted for the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary.</p> <p>2) The contractors/ prospective bidders shall visit the site and acquaint themselves with the site conditions before submission of bid/ quote.</p> <p>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.</p>					
Total value of work excluding GST (Rs).					
GST (Rs).					
Total value of work inclusive of GST (Rs)					

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

Signature of the Contractor with seal