

TENDER REF: 6300037856		Date: 12.08.2022	
ISSUED TO:	Period of contract:	04 Months	
	EMD :	Rs. 14,100/-	

Sub: Renovation of Existing Toilets adjacent to Track No:10, Delivery Hangar at Bangalore complex, BEML Ltd., , Bangalore-560075.

<u>SCHEDULE 'A' - BILL OF QUANTITIES</u>					
Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
1	Dismantling the existing old Mosaic floor/wall tiles including cement mortar bedding layer of any thickness and disposal of unserviceable materials from the premises with a lead up to 50Mts etc., complete all as specified and directed by Engineer in charge. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities and the quoted rate shall include for all lead & lift etc.	Sqm	86.00		
2	Dismantling the existing Brick masonry wall in any thickness and disposal of unserviceable materials from the premises with a lead up to 50Mts etc., complete all as specified and directed by Engineer in charge. Note: The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities and the quoted rate shall include for all lead & lift etc.	Cum	7.50		
3	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	8.00		
4	Dismantling the existing M.S Doors with frames carefully without damaging the adjacent area of any description and handing over the same to Civil Maintenance Department and stacking at a place all as shown etc., complete all as specified and 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.	Kgs	145.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
5	Removing the Wooden door shutter of size approximately 1.20m x 2.35m 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 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	1.00		
6	Dismantling of Wooden door shutters with frames of size approximately 0.65m x 1.95m carefully without damaging the adjacent surfaces and handing over to Civil Maintenance Department in good condition etc., and stacking at a place as shown 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	4.00		
7	Providing and laying in Position Plain Cement Concrete of mix proportion 1:4:8 using 40mm down graded granite aggregate, laid in layers not exceeding 15cms 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. Note: The rate quoted is deemed to include for providing and removal of centering/shuttering wherever necessary.	Cum	1.00		
8	Earthwork excavation by mechanical/manual means not exceeding 1.50m in width and not exceeding 1.50m in depth and not exceeding area 10 sqm on plan in all kinds of soil but excluding hard rock for foundation/ pits including getting out the excavated earth, with a lead upto 50 mts, disposal of surplus excavated soil as directed including dressing of sides, dewatering ground water/rain water, compaction etc., complete all as specified and directed by Engineer in charge.	Cum	5.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
9	Providing and laying in Position Plain Cement Concrete of mix proportion 1:2:4, 100 mm average thickness using 20mm down graded granite aggregate, laid in layers well compacted including formwork, curing including finishing fair without using extra cement etc., complete all as specified and as directed by Engineer in charge. Note: The rate quoted is deemed to include for providing and removal of centering/shuttering wherever necessary.	Cum	4.00		
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	7.00		
11	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	135.00		
12	Supplying and Laying the 20mm diameter, heavy grade CPVC water tubing manufactured by M/s. Supreme/Astral/Ashirwad/equivalent approved make, 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	42.00		
13	Supplying and fixing 15 mm diameter brass chromium plated angle/ Stop cock of first quality manufactured by M/s. ESS ESS /Parryware/Johnson/ Hindware or equivalent make including all accessories conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	No	13.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
14	Supplying and fixing 15mm diameter brass chromium plated short body bibcock of first quality approved brand manufactured by M/s.ESS ESS /Parryware/Hindware/Johnson or equivalent make including all accessories conforming to relevant IS etc., complete as specified and directed by Engineer in charge.	No	6.00		
15	Supplying & fixing 15mm diameter brass chromium 2 in 1 bib cock of first quality approved brand manufactured by M/s.ESS ESS /Parryware/Hindware/Johnson or equivalent make including all accessories conforming to relevant IS etc., complete all as specified & directed by the Engineer in charge.	Nos	2.00		
16	Providing & fixing 150mm diameter 6kg/cm <sup>2</sup> 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. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	18.00		
17	Providing & fixing 110mm diameter 6kg/cm <sup>2</sup> PVC pipes manufactured by M/s.Supreme/ Astral or equivalent conforming to relevant IS for 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. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary.	Rmt	8.00		
18	Supplying and fixing coloured ceramic dado 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 Naveen/Kajaria/Somany or equivalent 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-Charge. 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.	Sqm	105.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
19	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 Naveen/Kajaria/Somany or equivalent approved 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. Note: The rate quoted is deemed to include for all wastages.	Sqm	38.00		
20	Providing and fixing new vitreous china ware Orrisa type pan water closet squatting pan of approximate size 580 mm (Indian type W.C. pan) manufactured by M/s. Parryware/Hindware make with 110 mm bore P or S trap, 10/12 litre capacity P.V.C. low level flushing tank with manually controlled device conforming to relevant IS, manufactured by M/s. Parry Ware / M/s.Hindware including foot rests, 32mm diameter PVC flush pipe, 450mm length PVC connection pipe, cutting and making good the walls and floors wherever required including all lead, lift, tools, labour etc., complete all as specified and directed by the Engineer-in-charge.	Each	6.00		
21	Supplying and fixing new coloured vitreous chinaware floor mounted European type water closet with low level PVC flushing cistren of 12 litres capacity of first quality, conforming to relevant IS, Manufactured by M/s Parryware/Hindware/equivalent make 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, 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.	Each	2.00		
22	Supplying and fixing 600mm x 450mm or approved size bevelled edge mirror of M/s. Saint Gobain/ Modiguard conforming to relevant IS, mounted on 6mm thick BWP Plywood and fixed to wooden plugs with chromium plated brass screws all necessary hardware etc.,complete all as specified and directed by Engineer-in-charge.	Each	2.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
23	Supplying and fixing PVC heavy duty door shutters with frames manufactured by M/s.Sintex make or equivalent approved make with wall thickness not less than 2mm thick and shutter thickness not less than 24 mm (multi chamber hollow section) of approved shade & size conforming to relevant IS as per manufacturer's specification etc including necessary hardware viz., Stainless steel hinges, tower bolts, handles, hardware items etc.,complete all as specified and directed by Engineer in charge.	Sqm	14.50		
24	Supplying and fixing white vitreous chinaware countertop wash hand basin oval shape of 600mm diameter approximately or approved size manufactured by M/s. Parryware/ Hindware/Cera/equivalent approved 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 waste coupling, PVC connection pipe of length 450mm, 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 seperately under relevant item.	Nos	2.00		
25	Supplying and fixing 20mm thick polished black Granite slab on brick support walls for wash basin and jointed neatly with cement mortar and pointed with black oxide or coloured cement compound to match the colour of granite including oval shape cutting charges and grinding the edges (Nosing) half round around the slab as per the template to fix wash basin 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	1.70		
26	Supplying and fixing 15mm diameter brass chromium plated pillar cock of first quality conforming to relevant IS manufactured by M/s.ESS /Parryware/ Hindware/ equilvalent approved make including necessary accessories etc., complete all as specified and directed by Engineer in charge.	Each	2.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
27	Supplying & fixing 40mm diameter Bottle trap of first quality, approved brand conforming to relevant IS manufactured by M/s.ESS /Parryware/Johnson/Hindware/equivalent approved make including necessary accessories etc., complete all as specified and directed by Engineer-in-charge.	Each	2.00		
28	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.	Each	2.00		
29	Supplying & fixing PVC Nahani trap 75/100mm of M/s.Supreme / Astral make including jointing with solvent cement etc., complete all as specified and directed by Engineer in charge.	Each	2.00		
30	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	5.00		
31	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	2.00		
32	Supplying and fixing Urinal Spreader of first quality approved brand conforming to relevant IS etc., manufactured by M/s Viking/Equivalent make etc.,complete all as specified and directed by Engineer-in-charge.	Nos	5.00		
33	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	5.00		
34	Returning & filling under floors layer in layers including consolidation, well ramming etc., complete all as specified and as directed by Engineer in charge.	Cum	2.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
35	Carting away unwanted and unusable excavated soil, debris outside the site premises to a distance not exceeding 5.00KM, dumping at a place not objected by any civil authorities, including all lead and lift etc., complete all as specified and directed by Engineer in charge in charge.	Cum	16.00		
NOTE: (1) The bidders to visit the site and acquaint with the site conditions before submission of quotations.					
(2)The rate quoted for all the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary as per site conditions.					
	Total Value of work excluding GST (Rs)			Rs.	
	GST			Rs.	
	Total Value of work inclusive of GST			Rs.	

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

Signature of the Contractor  
with seal