

TENDER REF: 6300036635

Date: 23.10.2021

ISSUED TO:	Period of contract:	04 Months
	EMD :	Rs. 10,980

Sub: Renovation of Existing Toilets near Track No:10, Delivery Hangar in BEML Ltd., Bangalore complex, Bangalore-560075.

SCHEDULE 'A' - BILL OF QUANTITIES

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 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 includes 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 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 includes for all lead & lift, tools & tackles etc.	Cum	7.50		
3	Cutting holes in brick walls built in cement mortar and making good the dismantled portion with cement mortar 1:3 or cement concrete 1:2:4 etc., complete all as specified and directed by Engineer in charge.	Nos	8.00		
4	Dismantling the existing M.S Doors with frame in any thickness and handing over the same to civil maintenance dept and stacking at a place all as shown etc., complete all as specified and directed by Engineer in charge.	Kgs	145.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
5	Modification to the existing wooden door shutters by the following: a) Removing the existing door shutter of size approximately (1.20mtrx2.35mtr) carefully without damaging and stacking at a place as shown by BEML. b) Modifying the height of door by cutting the door shutter to the required size c) Refixing back the door in the same location using necessary hardware items viz., screws, nails, hinges, locking arrangement etc.,complete all as specified and directed by engineer in charge.	Each	1.00		
6	Dismantling of Wooden door shutters with frames of size approx (0.65m x 1.95m) carefully by manual means and handing over to Civil maintenance Dept in good condition etc., and stacking at a place as shown etc., complete all as specified and as directed by engineer in charge.	Each	4.00		
7	Providing and laying in Position Plain cement concrete of mix proportion 1:4:8 using 40mm down graded coarse 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.	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		
9	Providing and laying in Position Plain cement concrete of mix proportion 1:2:4, 100 mm avg thickness using 20mm down graded granite aggregate, laid in layers well compacted including curing including finishing fair without using extra cement etc.,complete all as specified and as directed by engineer in charge.	Cum	4.00		
10	Providing & constructing Burnt brick masonry of required thickness in Cement Mortar 1:6 with first class table moulded bricks including necessary curing etc., complete all as specified and directed by Engineer in charge.	Cum	7.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
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 etc., complete all as specified and directed by Engineer in charge.	Sqm	135.00		
12	Supplying and Laying the 20mm dia, 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 fittings such as elbows, collars, Tees, MTA, FTA etc. complete all as specified and directed by Engineer-in-charge.	Rmt	42.00		
13	Supplying and fixing 15 mm dia brass chromium plated angle/ Stop cock of first quality manufactured by M/s.ESS /Parryware/Johnson/ Hindware conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	No	13.00		
14	Supplying and fixing 15mm dia brass chromium plated short body bibcock of first quality approved brand manufactured by M/s.ESS /Parryware/Johnson/ Hindware conforming to relevant IS etc., complete as specified and directed by Engineer in charge.	No	6.00		
15	Supplying & fixing 15mm dia brass chromium 2 in 1 bib cock of first quality approved brand manufactured by M/s.ESS /Parryware/ Johnson/ Hindware etc., complete all as specified & directed by the Engineer in charge.	Nos	2.00		
16	Providing & fixing 150mm dia. PVC class 2 pipes (6kg/cm2) manufactured by M/s.Supreme/ Finolex/ conforming to relevant IS for sanitary, waste water, rain water including all standard fittings like elbows, bends, tees tail pieces & fixtures such as pipe clips, clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in charge.	Rmt	18.00		
17	Providing & fixing 110mm dia. PVC class 2 pipes (6kg/cm2) manufactured by M/s.Supreme/ Finolex/Prince conforming to relevant IS for waste water, rain water including all standard fittings like elbows, bends, tees, tail pieces & fixtures such as pipe clips, clamps wooden plug, screws, washers etc fixed/ secured firmly etc.,complete all as specified and directed by Engineer in charge.	Rmt	8.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
18	Supplying and fixing coloured dado ceramic tiles minimum 350mm x 250mmx7mm thick or approved size laid over a backing coat in Cement Motar 1:4,15mm thick in toilets manufactured by HR Johnson /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: a) The rate is deemed to include for providing a dubbing coat of 10mm thick in CM 1:6 on irregular face of walls. b) The rate is deemed to include for wastages.	Sqm	105.00		
19	Supplying and fixing Coloured Anti skid ceramic floor tiles of minimum 300 mmX300 mmx8mm thick or approved size laid over a bedding layer of Cement Mortar 1:4,15mm thick in toilets manufactured by HR Johnson /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. b) The rate is deemed to include for 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 or equivalent M/s. 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 dia 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 relavent IS, Manufactured by M/s Parryware/Hindware including seat cover, Chromium plated angle cock, 450 mm long PVC Connecting pipe,' P' or 'S' Trap with concealed brackets, drain outlet fittings and necessary fittings, fixtures and hardware etc., complete all as specified and directed by the Engineer in charge.	Each	2.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
22	Supplying and fixing 600mm x 450mm bevelled edge mirror of M/s. Saint Gobain/ Modiguard conforming to relevant IS, mounted on 6mm thick AC building board or commercial plywood and fixed to wooden plugs with chromium plated brass screws and cup washers, hardware etc., complete all as specified and directed by Engineer-in-charge.	Each	2.00		
23	Supplying and fixing PVC heavy duty door shutters with frame of PVC formulated compound of M/s. Sintex make or equivalent approved make with wall thickness not less than 2mm thick and shutter thickness 24 mm (multi chamber hollow section) of approved shade & size conforming to relevant IS as per manufacturer's specification etc including necessary hardware viz., S.S 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/M/s. 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 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 under relevant item.	Nos	2.00		
25	Supplying and fixing 20mm thick polished black Granite slab 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.	Sqm	1.70		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
26	Supplying and fixing 15mm dia brass chromium plated pillar cock of first quality conforming to relevant IS manufactured by M/s.ESS /Parryware/ Johnson/ Hindware/ equivalent approved make etc., complete all as specified and directed by Engineer in charge.	Each	2.00		
27	Supplying & fixing 40mm dia Bottle trap of first quality, approved brand conforming to relevant IS manufactured by M/s.ESS /Parryware/Johnson/ Hindware/ equivalent approved make 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 / Prince /Finolex 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 including jointing with solvent cement of Supreme / Prince /Finolex. etc., complete as specified and directed by Engineer in charge.	Each	2.00		
30	Supplying & fixing 100mm dia chromium plated grating conforming to relevant IS etc., complete all as specified and directed by Engineer in charge.	Each	5.00		
31	Supplying & fixing PVC Air vent cowl 110 mm dia including all bends, 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., 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/ M/s. Hindware/M/s. Cera/M/s. Johnson 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 and with all drain outlet fittings.etc., complete all as specified and directed by the Engineer-in-charge.	Nos	5.00		

Sl. No	Description	Unit	Qty	Rate/ unit in fig. & in words (Rs).	Amount (Rs)
34	Returning & filling under floors layer by layer including consolidation, well ramming etc., complete all as specified and as directed by Engineer in charge.	Cum	2.00		
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