

BEML LIMITED, BANGALORE

TENDER REF:6300039284

Date: 07.01.2025

ISSUED TO:	Period of contract:	03 Months
	EMD : (Rs)	85,000/-

SUB: Upgradation of existing purchase halls 1,2,3&4 in Purchase section with new modern cubicles and cabins for section heads, Bangalore complex,BEML LIMITED

SCHEDULE 'A' - BILL OF QUANTITIES

Sl. No	Description	Unit	Qty	Rate/unit in fig. & in words Rs.	Amount (Rs)
1	<p>Hacking the existing old mosaic flooring tiles & Providing & laying 10mm to 12 mm thick vitrified tiles (square / rectangular shape) manufactured by M/s. Naveen/ Johnson/ Kajaria/Somany/RAK in floor & skirtings (6" ht), set and jointed & fixed with tile adhesive of M/s FOSROC/ROFF/Epoxy base adhesive and pointed with white cement & matching coloured pigment to match with the existing shade of selected tiles etc., complete all as specified & directed.</p> <p>Note: (1) Skirting tiles will be measured and paid in this item on area basis only and no separate measurement (in RFT/RMT) will be allowed (2) The quoted rate is deemed to include for all wastages.(3) The basic cost of tiles shall not be less than Rs.90/Sqft inclusive of GST & contractor has to produce documentary evidence/invoice for the same for settlement of bills</p>	Sqm	600.00		
2	<p>Dismantling existing SS window and :Providing and fixing factory made UPVC SLIDING WINDOWS / TWO SHUTTERS OPENABLE TYPE- uPVC white colour sliding glazed window upto 1.95 m in height dimension, manufactured by M/s VEKA/Fenesta/LG Hausys/AIS), 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.</p> <p>After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant 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 6 mm thick glass panel etc., complete all as specified & as per instructions of Engineer - in charge.</p>	Sqm	65.00		
3	<p>Preparing the existing old wooden doors and windows surface by scrapping, cleaning & applying two or more coats of Melamine polish with wood filler of matching color pigment/powder, manufactured by M/s.Asian paints / M/s. Berger Paints etc., to achieve matt finish complete all as specified and directed by Engineer in Charge.</p>	Sq.M	120.00		
4	<p>Preparing the existing surface of walls by scrapping, sandpapering removing dust & applying 2 coats of Premium Plastic emulsion of approved colour/shade over a coat of primer & 3mm thick full putty of M/s Asian Paints-Royal shyne Emulsion/Berger paints-Silk emulsion etc.,complete all as specified and Engineer in charge. Note: The rate is deemed to include for 1) Wastages. 2) Cleaning the surfaces. 3) Scaffolding.</p>	Sqm	800.00		

5	Preparing the existing surface of ceiling by scrapping, sandpapering removing dust & applying 2 coats of Premium Plastic emulsion of approved colour/shade over a coat of primer & 3mm thick full putty of M/s Asian Paints-Royal shyne Emulsion/Berger paints-Silk emulsion etc.,complete all as specified and Engineer in charge. Note: The rate is deemed to include for 1) Wastages. 2) Cleaning the surfaces. 3) Scaffolding.	Sqm	650.00		
6	VERTICAL BLINDS : Providing and fixing 100mm wide venetian blinds of window fashion fabric of M/s Taiwan/Window wagon /vesta make, with 50mm thick powder coated channel with balance, imported crylic self alignable mechanism and equally placed spacers , 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	100.00		
7	<p>Medium height partition for Executive Room : Providing and fixing metal stud dry wall partition with following specifications: Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal GI studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings. 12mm Exterior Grade MDF (EG-MDF) Board fixed on both sides with 25mm dry wall with star screws for the entire height of the partition.</p> <p>Partition fixed with 1.0mm approved colour and make laminate sheet on both sides with approved colour of laminates. For a height of 1200mm from finished floor level to have 8mm clear float glass fixed with with 85mm x 15mm around jamb and 12mm x 12mm button beading on both sides of the glass, to a neat finish as per drawings and directions etc., complete.The glass sizes subject to design drawing etc. The edges of the partition wall finished with beech wood beading and finished with minimum two coats of LOW VOC or NO VOC white duco paint finish / wood polish .</p> <p>PLYWOOD CONFIRMING TO IS: 303. – BWR GREEN PLY/ SAMRAT/ CENTURY/ ARCHID) (Laminate CONFIRMING TO IS : 2046-1995 - sunmica,Greenlam, Archid)</p> <p>(MDF/ HDF- CENTURY/ ARCHIDPLY/ GREENPLY) (ADHESIVES-FEVICOL SH / VAMICOL/ JEEVANJORE) .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(SCREWS GKW NETTLEFOLD/ TEKNIC FASTNERS)</p>	Sqm	40.00		
8	<p>32MM DOORS IN PARTITIONS -:Providing and fixing 32mm thick solid core flush shutter with 85mm x 35mm beech wood frame with rebate around the jamb and shutter fixed with 1mm Laminate as specified on both sides with glass panel of 8mm clear float glass fixed with 19 x 19mm beading on both sides and glass pasted with 3M privacy film as per design. The rate to include necessary hardware viz., door stopper, door buffer, pair of "H" type handles, Mortise Dead Lock and Euro Profile Cylinder - Key and Knob 70mm SS, SS 2 ball-bearing hinges - (127mm x 76mm x 2.5mm), door closer (all of approved make and quality), ZERO VOC or NO VOC white duco paint finish for all beech wood members, etc., complete all as specified and directed by Engineer in Charge. (Laminate - sunmica,Greenlam, Archid).</p> <p>The glass size aproximately 2'0"wide and 3'0" depth as per design. (FLUSH DOOR – CONFIRMING TO IS : 2202(Part – 1) – 1991- GREENPLY / CENTURY PLY/ UNIPLY) (Glass -SAINT GOBAIN / GUJRAT GUARDIAN / MODIFLOAT) (HARD WARE -HETTICH/ EBCO/ GODREJ) (ADHESIVES- FEVICOL SH / VAMICOL/ JEEVANJORE)(Laminate CONFIRMING TO IS : 2046-1995 - sunmica,Greenlam, Archid)(SCREWS-GKW NETTLEFOLD/ TEKNIC FASTNERS)(FLOOR SPRING / DOOR CLOSER-DOORSET / OZONE/ HARDWYN)</p>	Sqm	8.00		

9	<p>Work station tables(size 4 ftx2 ft) : Supplying & fixing Tile Based System (75mm Thick) Frame work: made up of 02mm thick CRCA sheets with necessary slotting for wiring through out the vertical and the horizontal side of the frame. The punching for the wiring purpose will be done in a CNC punching machine. This slotting will also act as a slot where the tiles can be fixed.</p> <p>Raceways: 2 level cable raceways below tabletop with slots for networking and electrical terminals. One race way will be provided at the floor level which will be of 6” height. The other race way will be provided below the worktop which will measure 4” in height. These raceways will be suitable to fix any sort of electrical and networking sockets of standard size. Tiles: Made up of 09 mm thk MDF boards. This will be either up holsted with the fabric / laminated with 01 mm laminate sheets.</p> <p>These tiles will be fixed to the frame work using the spring clips at top and 'H' clips at the bottom. Each workstation will have a pin-up board & a writing board Top Trim: partition will be covered by an elegant aluminium trim which shall be fixed by means of hidden connections.</p> <p>Powder Coating: Seven Tank treatment process with hot Phospating which will be coated to a thickness of 50 microns Levelers: Sturdy levelers are provided for insulation and to counter uneven floor surface.</p> <p>Work Top: Work Top: Work top will be made up of 25mm thick Pre-laminated boards which will be cut to the customized sizes and routing will be done for the curvilinear tops. 02mm PVC edge-banding will be done at the exposed edges in the through feed machine.</p> <p>Mobile pedestal Made up of 18mm Thick pre- laminate boards with 2 mm PVC edgebanding at the edges. The unit consists of 3 drawers. The first and second are 100mm height approximately and the bottom drawer is suitable for lateral filing. The width and depth of drawer assembly are 450mm. The unit is made mobile using castor. The overall height is 675mm from floor level.M.S fabricated CPU trolley which will made up of 1.6 mm thk CRCA sheets which will be powder coated and it will be provided with castors. Used for mounting CPU. Width adjustment can be done. ABS keyboard tray provided with heavy duty sliding channels (Make : V2 modular furnitue, Nuline furniture,Neospace,creative office systems)</p>	No	32.00		
10	<p>MEDIUM HEIGHT STORAGE 1200mm height : Supplying & fixing 18mm thick pre-laminated boards with 2 mm thick PVC edge- banding. The shutters will be swing door type. The storage units will be provided with shelves considering the height. The handles will be stainless steel powder or chromium finish. Levelers will be provided for countering the uneven floor surface and including all necessary fittings. (Make : V2 modular furnitue, Nuline furniture,Neospace,creative office systems etc., complete all as specified and directed by Engineer in charge.</p>	Sqm	16.00		
11	<p>Executive tables : Supplying & fixing tables of Size : 1500mm x 750mm x 750mm ht With a side credenza Size : 1050mm x 450mm x 750mm ht. Work Top: Work Top: Work top will be made up of 25mm thick Pre-laminated boards which will be cut to the customized sizes. 02mm PVC edge-banding will be done at the exposed edges in the through feed machine. The vertical legs will be made up of Metal which will be powder coated and the modesty panel will be made up of 25mm thick PLB etc.complete.(Make : V2 modular furnitue, Nuline furniture,creative office systems)</p>	No	2.00		
12	<p>Providing and supplying of High back Chairs of approved brand (Trans steel,feather lite,zodiac, bosq, Eurotech) for executives as per approved make and as per instructions of architect.</p>	No	2.00		
13	<p>Providing and supplying of Medium back Chairs of approved brand (Trans steel,feather lite,zodiac , bosq, Eurotech) for working space officers as per approved make and as per instructions of architect.</p>	No	32.00		

14	Providing and supplying of Medium back Chairs of approved brand (Trans steel, feather lite, zodiac, bosq, Eurotech) for visitors but without casters as per approved make and as per instructions of architect.	No	7.00		
15	Rendering 15mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surface even & smooth, curing, tools & tackles etc., complete all as specified and directed by Engineer-in-charge.	Sqm	30		
16	Granite Supplying and fixing in position 20 mm thick polished black granite slab for window sill with front edge bull nosed over a bedding layer of 15 mm thick in cement mortar 1:6 complete all as specified & directed by Engineer in charge. Note: The rate quoted for the item deemed to include for wastages.	Sqm	15		
ELECTRICAL ITEMS					
17	Supply and fixing 2 x 20 Watts, LED twin tubelight fixtures. Required accessories such as ceiling rose, down rods etc... are in contractor's scope.	No's	16.00		
18	Supply and fixing 1phase, 230V, AC, energy efficient BLDC ceiling fans. Required accessories such as ceiling rose, down rods etc... are in contractor's scope.	No's	12.00		
19	Supply, fixing modular type switch, socket box comprising of 6Amps switches, sockets, fan regulators for LED tube lights, ceiling fans .	No's	5.00		
20	Supply, fixing 1 phase, 16/6 Amps, switch combined multi pin socket in a modular type enclosure box.	No's	5.00		
21	Supply, fixing of modular type switch socket box comprising 04 no's 6A 3 pin sockets controlled by 01 no. 6A switch in enclosure box for computer points.	No's	32.00		
22	Supplying of required materials and wiring using 2Rx2.5 sqmm +1Rx1.5 sqmm PVC insulated multistrand copper wires in cap on casing / PVC conduits for LED lights, fans, 1phase 6 Amps computer power points/sockets.	Mtrs	1200.00		
23	Supplying of required materials and wiring using 2Rx4.0 sqmm + 1Rx1.5 sqmm PVC insulated multistrand copper wires in cap on casing / PVC conduits for 16/6 Amps power points/sockets.	Mtrs	500.00		
24	Supply, fixing of MCB TPN METAL DISTRIBUTION BOARD (DB), comprising INCOMING: 40A TPN MCB -01 No., OUTGOING: 16 AMPS SP MCB - 10 No's, 25Amps DP MCB - 05 No's, Neutral and earthing terminal links, internally wired.	No.	1.00		
25	Supply of earthing materials and making earth pit by excavating hard concrete, soft soil to a depth-3mtrs, inserting 50 mm dia GI Pipe, funnel, filling with layers of salt and charcoal, connecting to 25x3mm GI flat, making suitable size brick wall chamber, plastering and covering with heavy guage chequered plate.	No.	1.00		
26	Supply and providing CAT6 points with circuit wiring/cablings for networking, computer points.	No's	36.00		
Total value of work excluding GST (Rs).					
GST (Rs).					
Total value of work inclusive of GST (Rs)					

<p>Note:- 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 activities in the area and the rate is deemed to include for the same.</p> <p>4) The work has to be carried out on a day to day basis by the contractor under the supervision of the contractor himself or under the supervision of a qualified technical personnel employed by the contractor till the completion of the days work.</p>					
---	--	--	--	--	--

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

Signature of the Contractor with seal