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ABSTRACT ESTIMATE

Work ID : 201920035014 Name of the Work : Furniture for Students and Staff
U-DISE Code : 28145200401 School Name : MPPS BANTUMILLI
Estimate Amount (in Rs.) : 2,74,220/-

Sl.No.	Description of Item	Quantity	Rate (in Rs.)	Unit	Amount (in Rs.)
1	Providing supplying and placing dual desk in class. The overall dimensions of desk will be W 1066mm x D 930mm x H 760/452mm having the following specifications. Side frame structure: Made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25mm x 50mm x 1.2mm thick CRCA tube 890mm length. Seat and back side frame structure also made of prime quality CRCA pressed also made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25.4mm diameter x 1.2mm thick all 8 nos. horizontal supports are 25mm x 25mm x 1.2mm thick shall be of CRCA tube 4 nos CRC tube size 20 x 20 x 1 mm thick insert for full height in Big pillar. Ractangular tube 50 x 25 x 1.2mm thick should be closed with PPCP cap both sides and pipe dia. 25.4 x 1.2mm thick should be closed with metal (Back Side) and other side (Under the seat) PPCP cap. Front panel cum tray shall be made of prime quality 0.8mm thick CRCA sheet of H 150mm x W 1012mm x D 300mm with middle partition and side stiffers of MS CRCA tube size 19mm x 19mm x 1mm thick. One vertical support (partition) of square tube size 25mm square x 1.2 mm thick must be provided at center of tray and front face must be embossed as per drawing. Additional front panel prime quality 0.8mm thick CRCA sheet size H 150mm x W 1012mm x D 21mm with square perforation. CRCA tube size 19 x 19 x 1mm thick to be inserted for full length at bottom of jali. Desktop, seat and back shall be made of IS:303, 18mm thick plywood of MR grade OSL (one side laminated and one side balancing) and three edges must be sealed with 2mm thick PVC edge banding tape with hot melt glue standard D4499 jowatherm -280 on through feed edge banding machine. Edge band must be trimmed on edges and corner. Sizes are below : 1. seat W 1066 mm x D 300mm 2. Desktop W 1008mm x D 380mm 3. Back 1066mm x D150 mm 4. One long edge of Desk top, seat and back shall be post formed with round edge. Hook made of MS wire dia. 5mm and size W 23mm, D 32mm and H80mm must be provided on inner side of vertical pressed formaed steel section on both sides All MS, CRCA parts must be MIG, TIG or spot welded as per technical requirement All stell components must be powder coated in satin finish with pretreatment process.	20	6930.00	Nos	1,38,600
2	Head Master Table for Upper Primary/ High Schools (With computer provision) Three layer prelaminated particle board (Wood Product) of grade II type II of IS 12823 of Teak wood.	1	8800.00	Nos	8,800

3	Head Master Chair for Upper Primary/ High Schools Pedestal Base is with Chrome finish with 5 wheels and arm material with Propylene and seat material is PU Foam covered with Fabric Material.	1	13701.00	Nos	13,701
4	Staff Room Tables Assembled and Ready to Use and one side Triple storage is provided The overall dimensions should be of size 1200mm X 600mm X 750mm. Table Top material is made of 25mm thickness Flat single layer MDF board of Grade SBG II and thickness ± 3 mm of IS 12406 Latest	2	8650.00	Nos	17,300
5	Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR- 1, Grade 340 of IS 513:2008 (revised 2013)(Fifth Revision) Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum)	2	7850.00	Nos	15,700
6	MS Racks for HM Room, Staff room, Library room, Laboratory room Material is with 0.8 mm Thick MS Sheet Conforming to Commercial Quality CR-1, Grade 340 of IS 513. size Rolled steel angle posts of 40 X 40 X 3 mm	1	3748.00	Nos	3,748
7	Stools (Stainless steel) for HM room, Staff room, Laboratory room, Library room, Without cushion and stool top is Round Material of Stainless Steel.	10	854.00	Nos	8,540
8	Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS 8126) Thickness (± 2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm	2	3304.00	Nos	6,608
9	Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane.	4	1050.00	Nos	4,200
10	Reading Table in Library room Table Top Material is 20 mm thick MDF Board of grade SBG II conforming to IS 12406 laminated with minimum 0.6 mm thick on Top side of type S, P or F having index 3.2.3 conforming to IS 2046 and minimum 0.5 mm thick balancing laminate on the other side and one side single storage is provided and under structure is with Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm.	2	2600.00	Nos	5,200
11	Plastic Dust Bin large Royal - Drum 80 ltr. (Dust bin or Garbage Bin or Household Bin) (ROYAL WORLD) (From PLASTIC DUSTBIN ROYAL)	2	780.00	Nos	1,560
12	Plastic dust bin (NA) (waste paper basket) small	5	70.00	Nos	350

13	Provision for SEIGNIORAGE CHARGES @ 1.00%	1	0.00	Percentage	0
14	Provision for PS Charges @ 3.00%	1	7948.41	Percentage	7,948
15	Provision for Quality Control Charges @ 0.50%	1	1324.73	Percentage	1,325
16	Provision for NAC Charges @ 0.1%	1	224.31	Percentage	224
17	Provision for GST @ 12.00%	1	40415.64	Percentage	40,416
	Total	-	-		2,74,220

DETAILED ESTIMATE

Work ID : 201920035014 Name of the Work : Furniture for Students and Staff
 U-DISE Code : 28145200401 School Name : MPPS BANTUMILLI
 Estimate Amount (in Rs.) : 2,74,220/-

Description of Item	Number	Length	Width	Thickness	Total Quantity	Units	Rate in Rs.	Amount in Rs.
Providing supplying and placing dual desk in class. The overall dimensions of desk will be W 1066mm x D 930mm x H 760/452mm having the following specifications. Side frame structure: Made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25mm x 50mm x 1.2mm thick CRCA tube 890mm length. Seat and back side frame structure also made of prime quality CRCA pressed also made of prime quality CRCA pressed from section 165mm x 25mm x 1mm thick welded to 25.4mm diameter x 1.2mm thick all 8 nos. horizontal supports are 25mm x 25mm x 1.2mm thick shall be of CRCA tube 4 nos CRC tube size 20 x 20 x 1 mm thick insert for full height in Big pillar. Ractangular tube 50 x 25 x 1.2mm thick should be closed with PPCP cap both sides and pipe dia. 25.4 x 1.2mm thick should be closed with metal (Back Side) and other side (Under the seat) PPCP cap. Front panel cum tray shall be made of prime quality 0.8mm thick CRCA sheet of H 150mm x W 1012mm x D 300mm with middle partition and side stiffers of MS CRCA tube size 19mm x 19mm x 1mm thick. One vertical support (partition) of square tube size 25mm square x 1.2 mm thick must be provided at center of tray and front face must be embossed as per drawing. Additional front panel prime quality 0.8mm thick CRCA sheet size H 150mm x W 1012mm x D 21mm with square perforation. CRCA tube size 19 x 19 x 1mm thick to be inserted for full length at bottom of jali. Desktop, seat and back shall be made of IS:303, 18mm thick plywood of MR grade OSL (one side laminated and one side balancing) and three edges must be sealed with 2mm thick PVC edge banding tape with hot melt glue standard D4499 jowatherm -280 on through feed edge banding machine. Edge band must be trimmed on edges and corner. Sizes are below : 1. seat W 1066 mm x D 300mm 2. Desktop W 1008mm x D 380mm 3. Back 1066mm x D150 mm 4. One long edge of Desk top, seat and back shall be post formed with round edge. Hook made of MS wire dia. 5mm and size W 23mm, D 32mm and H80mm must be provided on inner side of vertical pressed formaed steel section on both sides All MS, CRCA parts must be MIG, TIG or spot welded as per technical requirement All stell components must be powder coated in satin finish with pretreatment process.								
Dual desks for students	20	0	0	0	20			
Total					20	Nos	6930	1,38,600
Head Master Table for Upper Primary/ High Schools (With computer provision) Three layer prelaminated particle board (Wood Product) of grade II type II of IS 12823 of Teak wood.								
Head Master table	1	0	0	0	1			
Total					1	Nos	8800	8,800
Head Master Chair for Upper Primary/ High Schools Pedestal Base is with Chrome fnish with 5 wheels and arm material withProppylene and seat material is PU Foam covered with Fabric Material.								
Head Master Chair	1	0	0	0	1			

Total					1	Nos	13701	13,701
Staff Room Tables Assembled and Ready to Use and one side Triple storage is provided The overall dimensions should be of size 1200mm X 600mm X 750mm. Table Top material is made of 25mm thickness Flat single layer MDF board of Grade SBG II and thickness ±3mm of IS 12406 Latest								
Staff Room Table	2	0	0	0	2			
Total					2	Nos	8650	17,300
Almairahs (Steel) for HM Room, Staff room, Library room, Laboratory room, M.S sheet conforming to commercial quality CR- 1, Grade 340 of IS 513:2008 (revised 2013) (Fifth Revision) Amdt. no.1 Sheet thickness of door in 0.8 mm (minimum)								
Almairahs	2	0	0	0	2			
Total					2	Nos	7850	15,700
MS Racks for HM Room, Staff room, Library room, Laboratory room Material is with 0.8 mm Thick MS Sheet Conforming to Commercial Quality CR-1, Grade 340 of IS 513. size Rolled steel angle posts of 40 X 40 X 3 mm								
MS Racks for HM Room	1	0	0	0	1			
Total					1	Nos	3748	3,748
Stools (Stainless steel) for HM room, Staff room, Laboratory room, Library room, Without cushion and stool top is Round Material of Stainless Steel.								
Stools (Stainless steel)	10	0	0	0	10			
Total					10	Nos	854	8,540
Teacher Table in classroom, Table Top Material is 18 mm thick prelaminated Particle Board (Not as per IS 8126) Thickness (±2 mm). One side double storage is provided and pedestals (under structure) Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm								
Teacher Table	2	0	0	0	2			
Total					2	Nos	3304	6,608
Teacher Chair in classroom, Library room, Laboratory room Seat and Backrest is Made of Polythene cane.								
Teacher Chair	4	0	0	0	4			
Total					4	Nos	1050	4,200
Reading Table in Library room Table Top Material is 20 mm thick MDF Board of grade SBG II conforming to IS 12406 laminated with minimum 0.6 mm thick on Top side of type S, P or F having index 3.2.3 conforming to IS 2046 and minimum 0.5 mm thick balancing laminate on the other side and one side single storage is provided and under structure is with Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm.								
Reading Table in Library room	2	0	0	0	2			
Total					2	Nos	2600	5,200
Plastic Dust Bin large Royal - Drum 80 ltr. (Dust bin or Garbage Bin or Household Bin) (ROYAL WORLD) (From PLASTIC DUSTBIN ROYAL)								
Plastic Dust Bin large	2	0	0	0	2			
Total					2	Nos	780	1,560
Plastic dust bin (NA) (waste paper basket) small								

plastic dust bin small	5	0	0	0	5			
Total					5	Nos	70	350
Provision for SEIGNIORAGE CHARGES @ 1.00%								
Total					1	Perce ntage	0	0
Provision for PS Charges @ 3.00%								
Total					1	Perce ntage	7948.41	7,948
Provision for Quality Control Charges @ 0.50%								
Total					1	Perce ntage	1324.73	1,325
Provision for NAC Charges @ 0.1%								
Total					1	Perce ntage	224.31	224
Provision for GST @ 12.00%								
Total					1	Perce ntage	40415.64	40,416

Signature of FE/AE/AEE

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Signature of Deputy Executive Engineer

GBV Ramesh