

TS Register No: 2095/2019-2020

AS Register No:2195/2019-2020

**UP GRADATION OF GOVT ITI ETTUMANOOR ON PAR WITH INTERNATIONAL  
STANDARDS-PHASE 1 -REV 2, ANNEXURE 1 : FURNITURE FOR MAIN  
BUILDING AND EXISTING CLASS ROOMS**

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 37.93%)

Sl No	Description	No	L	B	D	CF	Quantity	Remark	
<b>1 FURNITURE FOR EXISTING CLASS ROOM CONVERTED TO SMART CLASS ROOMS</b>									
1	od252184/2019_2020 Supply, deliver and place trademark registered branded (JALARAM Make-JEC 325 (C)) or approved equivalent Executive Low Back Revolving Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMAX 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement, advanced synchro til mechanism, back rest height adjustment, 3-D wrap around design, tilt lock mechanism, self regulating tilt tension adjustment, seat depth adjustment, high quality moulded foam, pneumatic height adjustment. Overall Size (approx): H:87-104 x W:70 x D:70(cm) Seat height : 44 to 54 (cm) Frame structure: Seat & back from hot mould plywood of minimum 12 mm thickness of ergonomic design . Seat Height adjustment and ergonomics: With Pneumatic gas lift with 300 N force Stroke length of 12.5 cm. Seat height will be adjustable and optimum Height is 44-54 cm . Under structure facility: Revolving, Tilting and Lateral smooth movement on twin wheel castors fixed on five pronged wide base of 65 cm to 75 cm D. 'Tapestry Minimum average weight required 400 to 490 gms per sq. mtr. Tapestry : Tapestry should be tested quality such as stain test, ultra violet test, glue test and color fastening with average weight of 450 grams per square meter. (All the stitches of seat and back boarder should be covered by plastic beading of black cover for elegant look. Cushioning: PU foam having density of 40 kg for back and 50 kgs/m3 for seat. Average thickness of foam not less than 50 mm + 10 mm Polly foam. Base: Tested High quality virgin material. Arm rest material: single piece round soft virgin quality PU handle reinforced within built steel rib.	1	9.000					9.000	
	Total Quantity						9.000 each		
	Total Deducted Quantity						0.000 each		
	Net Total Quantity						9.000 each		
	Say 9.000 each @ Rs 15741.11 / each						<b>Rs 141669.99</b>		
2	od252186/2019_2020 Supply deliver and place Trademark registered branded (JALARAM Make-JSD 601(D))/equivalent Two Seater Desk Cum Bench fitted on tubular frame with perforated seat and back for Senior Students. Overall size : H-760 x W-1040 x D-1000 (mm)  Seat Height: 460 mm Desk Top (Curvica) of 25 mm thick wood based high quality branded (TESA) post formed Pre-laminated Particle Board (PLB )with 0.6mm laminated with 2mm PVC beading by hot melt glue process all over 4 edges.  Bench Main frame tube & Support tube of 32mm, 16swg ERW round tube.  Seat & Back frame tube of 19mm, 16swg ERW round tube.  Seat & Back support of 25x25x1.6mm (16swg) thick. square ERW tube.  Seat & Back of 18swg. Perforated CRCA sheet IS 513.  Storage Bucket of 18swg. Perforated CRCA sheet IS 513.  Good quality PVC shoes & cap. All steel parts will be epoxy								

	polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.							
		1	135.000				135.000	
	Total Quantity						135.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						135.000 each	
	Say 135.000 each @ Rs 8936.58 / each						<b>Rs 1206438.30</b>	
3	<p>od252188/2019_2020</p> <p>Supply, deliver and place of Trademark registered branded (JALARAM make- JMPT 4A) or approved equivalent Table for with 25 mm top, square tubular frame. Overall size: W-151 x D-90 x H-75(cm)</p> <p>Material Description: Main top 25mm thick wood based high quality Pre-laminated Particle Board(PLB) of TESA with 2mm PVC edge band by hot melt glue process for beading all over edge. Top frame of 1.21mm thick. (18swg) CRAC sheet IS 513. Table frame structure made up of prime quality MS ERW square tube 25x25mm of 18swg. Good quality PVC Shoes. All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.</p>							
		9					9.000	
	Total Quantity						9.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						9.000 each	
	Say 9.000 each @ Rs 7837.80 / each						<b>Rs 70540.20</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>2 FURNITURE FOR MAIN BUILDING</b>								
1	<p>od252185/2019_2020</p> <p>Supply, deliver and place trademark registered branded (JALARAM make JED 1512) or approved equivalent Executive Desk with side unit and credenza. Desktop mounted on SS tubular legs and specially designed pedestal storage with utility spaces inspired by your needs. Size: (A) Main Desk : W-2000 x D-900 x H-750 mm (B) Side Unit : W-1050 x D-500 x H-750mm (C) Credenza : W-2000 x D-400 x H-1190mm</p>							
	PRINCIPAL ROOM	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 181867.67 / each						<b>Rs 181867.67</b>	
2	<p>od252189/2019_2020</p> <p>Supply, deliver and place registered branded (JALARAM Make-JEC 2017(D)) or approved equivalent Executive High Back Revolving Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement. Leatherette Finish, High</p>							

	<p>quality mould foam cushion, Die-Cast Aluminium with buffing pedestal, 5 Position locking system with swivel mechanism, Chrome Finished Armrest, Anti-Shock and Synchro Tilt Mechanism , Adjustable cozy armrest , Overall Size (approx) :-H: 117.0 - 126.5 x W:75 x D:75 (cm) ,Seat Height:- 44-54 (cm) Front Pivot Synchro Mechanism: This mechanism helps you experience the effect of your body angle opening out, for maximum relaxation, while your feet remain firmly on the ground. 5-Position Locking: The backrest can be locked in 5 different positions, giving you firm support for concentrated work. Its anti-shock mechanism prevents the backrest from impacting the user when the lock is released. Moulded Foam: The seat and the backrest are made up of moulded polyurethane foam of the right density and thickness, which not only gives you a soft feeling on first contact but also provides a firm support to ensure hours of comfortable seating, Swivel Mechanism: The swivel mechanism allows for a complete 3600 lateral movement. This prevents you from straining over your shoulders and back to reach out for papers and phones kept on either side of your table, ensuring mobility while working. Twin Wheel Castors: The twin wheel castors facilitates ease of movement.</p>							
	PRINCIPAL ROOM	1					0.000	
	VP ROOM	1					1.000	
	SUPERINTEDENT ROOM	1					1.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 23988.46 / each						<b>Rs 47976.92</b>	
3	<p>od252191/2019_2020            Supply, deliver and place registered branded (JALARAM Make-JEC 2017(F)) or approved equivalent Executive Visitor Chair, Tested by approved BIFMA standard laboratories confirming to ANSI/BIFMA X 5.1- 2002 Cl. No. 5,7,8,12,13,17 on functional requirement. With Leatherette Finish Moulded Foam: The seat and the backrest are made up of moulded polyurethane foam of the right density and thickness.</p>							
	PRINCIPAL ROOM	4					4.000	
	VP ROOM	2					2.000	
	SUPERINTENDENT ROOM	2					2.000	
	Total Quantity						8.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						8.000 each	
	Say 8.000 each @ Rs 17498.69 / each						<b>Rs 139989.52</b>	
4	<p>od252197/2019_2020            Supply, deliver and place trademark registered branded (JALARAM make- JSF 102 A) or approved equivalent JALARAM Multipurpose storage cabinet with 2 adjustable shelves and 1 full locker. Overall size: H-1980 x W-915 x D-485(mm) (H-78"xW-36"x D-19") Material Specifications: The raw material used in cupboard will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. The cupboard should have welded</p>							

	<p>construction with MIG welding process. The material used for constructing the cupboard should be prime quality Cold Rolled Close Annealed (CRCA) Steel (for doors and shelves 1.0 mm &amp; other parts as per functional requirements) The doors provided will be full height steel hinged doors The handle provided will be matching, easy to grip, sleek and elegant. The Cupboard will have a 3 way locking Mechanism Minimum 6 levers (With duplicate keys) mechanism with shooting bolt arrangement. Shelving: The shelving will be Height wise Adjustable and Shelf Mounting. The Uniformly Distributed Load (UDL) Capacity per each full shelf will be 40 Kg at least. The cupboard will have 2 numbers of adjustable and 1 fixed full shelves with 1 full locker. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust.</p>							
	PRINCIPAL ROOM	2					2.000	
	VP ROOM	1					1.000	
	SUPERINTENDENT ROOM	1					1.000	
	OFFICE ROOM	2					2.000	
	STAFF ROOM	2					2.000	
	Total Quantity						8.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						8.000 each	
	Say 8.000 each @ Rs 17439.92 / each						<b>Rs 139519.36</b>	
5	<p>od252202/2019_2020            Supply, deliver and place Trademark registered branded (JALARAM make-JED 200) or approved equivalent Chief Executive Suite with PU coated 36 mm post formed top, Executive Return Unit &amp; 3 Drawer Pedestal Unit, Size of the main Table: W-250 x D-110 x H-75 cm, Size of the Pedestal for Main Table: W-42.5 x D-80 cm, Size of Return Unit: W-127.5 x D-58 cm, Size of the Pedestal for Return Unit: W-42.5x D-58 cm</p>							
	VP ROOM	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 144888.99 / each						<b>Rs 144888.99</b>	
6	<p>od252205/2019_2020            Supply, deliver and place registered branded (JALARAM make JED 220) or approved equivalent Executive Desk elegant looking main desk with mobile pedestal and return unit. A real beauty of the blend of wood and steel. Main Desk Size: W-180 x D-90 x H-75 (cm) Joining Top (Black Finish) Size: W-105 x D-120 (cm) Fixed Side Return Desk Size :W-120 x D-60 x H-72(cm) Mobile Pedestal Size: W-40.5 x D-57 x H-50(cm).</p>							
	SUPERINTENDENT ROOM	1					1.000	
	Total Quantity						1.000 each	

	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 73561.28 / each						<b>Rs 73561.28</b>	
7	od252211/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM Make-JSS 908) or approved equivalent Sofa Set Overall Size of 3 seater: H-762 x W-2134 x D-812 mm							
	WAITING LOUNGE	2					2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 44038.56 / each						<b>Rs 88077.12</b>	
8	od252213/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM make JCT U-11) or approved equivalent Conference table for 11 to 14 persons manufactured from 36 mm high quality MDF top, 0.6 mm lamination & wire management facility. Expandable as requirement. Size: (A)Single seater module (Qty. 2 Nos.): W-675 x D-600 x H-750 mm (B)Two seater module (Qty. 5 Nos.): W-1350 x D-600 x H-750 mm (C)Single seater Quarter Circle (Qty.2 Nos.): W-600 x D-600 x H-750 mm							
	C O N F E R E N C E R O O M	1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 92177.80 / each						<b>Rs 92177.80</b>	
9	od252214/2019_2020 Supply, deliver and place Trademark registered branded (JALARAM make-JED 204 (A)) or approved equivalent Executive table, both side storage unit of special size. 2 drawers cum filing drawer & a center drawer, mounted on telescopic channel. Overall Size of curvica top: W-180 x D-90 cm ,Height of table 72.5 (cm) Material Specification: Two pedestals having 2 box drawers and 1 filing drawer with independent locking arrangement (cam lock) for each pedestal. Drawers shall have a clear depth of > 400 mm. One center drawer having ~ 350 mm clear depth with independent locking arrangement. The top should be made of 25 mm thick Pre&dash; laminated board(PLB) of TESA with 2 mm thick matching lipping. Under Structure: Two pedestals shall be a combination of processed wood (PLB) and Mild Steel (MS). Pedestal shell to be 0.80 mm thick MS sheet. Drawer tray to be made from 0.6 mm thick M.S sheet. Drawer separator to be made from 0.6 mm thick M.S. sheet. PLB drawer fronts (18 mm thick PLB) to match the top colour. Drawers to be mounted on double extension steel telescopic ball slides to give full access to the drawer. Sleek handles for easy grip. Glides screws for leveling.Stiffeners (1.6 mm thick) is to be provided under the top to give additional strength. Powder coating: Powder coating on all items with dry film thickness not less than 50 microns, Salt Spray test to withstand more than 1000 hours, Pencil scratch hardness more than 2H, Adhesion as per DIN 53152 Standards. The powder coating shall be of good quality (7 process) to ensure good adhesion of life of the coating. Modesty: Shall be made							

	from 1.0 mm thick MS. Panel recessed inside for more leg room. Panel to be styled with cut&dash;outs (windows) for better physical appearance.						
	OFFICE ROOM	6					6.000
	STAFF ROOM	7					7.000
	Total Quantity						13.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						13.000 each
	Say 13.000 each @ Rs 25220.30 / each						<b>Rs 327863.90</b>
10	od252216/2019_2020 Supply, deliver and place registered branded (JALARAM make JSF 115(6) E) or approved equivalent slotted angle rack (Open type) Overall size: H-78" X W-36" X D-18" Angle: 40 x 40 x 2 mm (4 nos.) Shelves: 36" x 18" (22 swg. 6 nos.) Corner plate: 8 nos. Nuts & bolts: 64 nos. Shoes: 4 nos. The raw material used will be PRIME quality CRCA as per IS 513 (1994,1998) 'D' grade. OEM must enclose Proof of purchase of steel from SAIL/Tata Steel/Essar/ Jindal. Finishing: All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating						
	STORE ROOM	6					6.000
	Total Quantity						6.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						6.000 each
	Say 6.000 each @ Rs 4964.95 / each						<b>Rs 29789.70</b>
11	od252219/2019_2020 Supply, deliver and place Drafting table for drawing hall, Studio Designs 47.75"W Laminate Fusion Craft Center Drafting Table White (model no 10102) or approved equivalent brand. The Fusion Table features: an angle adjustable top (35.25" Wide x 23.75" Deep), a 24" pencil ledge, wide floor levelers for stability and is made of powder coated metal for durability. The 24" Premier Metal Art Tray (Also sold separately- Item # 12167) attaches to the side of the table top. It has a tool cup, a large 12"x 4" opening that accommodates the Flexible Foam Pencil Organizer (Also Sold Separately- Item # 12174). This Foam Organizer Tray has 96-10mm holes for pencils or markers and a cell phone slot to keep your phone clean and close during your projects.Overall Dimensions: 47.75" W x 23.75" D x 35.5" H. Top Dimensions: 35.25" W x 23.75" D with Angle adjustment from Flat to 60 Degrees. Height Adjustable from 27.75" -35.5" when Flat. Includes the Premier Metal Art Tray 24" with Swivel Cup and Slot for Flexible Foam Pencil Organizer (also sold separately). Flexible Foam Organizer Accommodates Pencils and Markers up to 10mm. Slide-Out Side Shelf provides Extra Workspace and Two Wire Mesh Storage Drawers. Slide-Up Pencil Ledge: 24" W. Steel Frame Construction for Durability with Four Wide Floor Levelers for Stability .Padded Stool Included: 21" H.Maximum weight capacity limit -Top: 50 lbs. Side Shelf: 15 lbs. Bottom Shelf: 15 lbs. Stool: 175 lbs.						
	DRAWING HALL	30					30.000
	Total Quantity						30.000 each

		Total Deducted Quantity					0.000 each	
		Net Total Quantity					30.000 each	
		Say 30.000 each @ Rs 14763.83 / each					<b>Rs 442914.90</b>	
12	od252222/2019_2020 Supply,deliver and place Trademark registered branded (JALARAM Make JEC 501(C))/Equivelent Executive Visitor Net Chair,  Overall Size (approx): H-98 x W-58 x D-63.5 (cm)  Seat Height: 48 (cm)  Frame structure: Backrest made of Mesh and Seat from hot mould plywood of minimum 12 mm thickness of ergonomic design to avoid back pain. Chrome-plated Arm & Frame 'Tapestry: Minimum average weight required 400 to 490 gms per sq. mtr.  Tapestry will be tested quality such as stain test, ultra violet test,glue test  and color fastening with average weight of 450 grams per square meter  Cushioning: PU foam having density of 50 kgs/m3 for seat. Average  thickness of foam not less than 50 mm + 10 mm Polly foam.  Arm rest material: Polyurethane on Chrome  Shoes: Nylon Rubber							
	CLASS ROOM	6					6.000	
	STAFF ROOM	7					7.000	
	OFFICE ROOM	6					6.000	
	GI CABIN	1					1.000	
		Total Quantity					20.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					20.000 each	
		Say 20.000 each @ Rs 15356.19 / each					<b>Rs 307123.80</b>	
13	od252223/2019_2020 Supply, deliver and place of Trademark registered branded (JALARAM make- JMPT 4A) or approved equivalent Table for with 25 mm top, square tubular frame. Overall size: W-151 x D-90 x H-75(cm) Material Description: Main top 25mm thick wood based high quality Pre-laminated Particle Board(PLB) of TESA with 2mm PVC edge band by hot melt glue process for beading all over edge. Top frame of 1.21mm thick. (18swg) CRAC sheet IS 513. Table frame structure made up of prime quality MS ERW square tube 25x25mm of 18swg. Good quality PVC Shoes. All steel parts should be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.							
	CLASS ROOM	6					6.000	
	GI CABIN	1					1.000	
		Total Quantity					7.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					7.000 each	
		Say 7.000 each @ Rs 9722.68 / each					<b>Rs 68058.76</b>	
14	od252224/2019_2020 Supply deliver and place Trademark registered branded (JALARAM Make-JSD 601(D))/equivalent Two							

	Seater Desk Cum Bench fitted on tubular frame with perforated seat and back for Senior Students. Overall size : H-760 x W-1040 x D-1000 (mm)  Seat Height: 460 mm Desk Top (Curvica) of 25 mm thick wood based high quality branded (TESA) post formed Pre-laminated Particle Board (PLB )with 0.6mm laminated with 2mm PVC beading by hot melt glue process all over 4 edges.  Bench Main frame tube & Support tube of 32mm, 16swg ERW round tube.  Seat & Back frame tube of 19mm, 16swg ERW round tube.  Seat & Back support of 25x25x1.6mm (16swg) thick. square ERW tube.  Seat & Back of 18swg. Perforated CRCA sheet IS 513.  Storage Bucket of 18swg. Perforated CRCA sheet IS 513.  Good quality PVC shoes & cap. All steel parts will be epoxy polyester powder coated to the thickness not less than 50 microns finish after 10 tank anti-rust treatment and B grade phosphating.							
	CLASS ROOM	90					90.000	
	Total Quantity						90.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						90.000 each	
	Say 90.000 each @ Rs 10544.10 / each						<b>Rs 948969.00</b>	
15	od252226/2019_2020 Supply and install Jasos brand JC-S 03 Model or approved equivalent auditorium seating chair comprise of seat and back frames made with CR pipes, Back cover with PPCP tray, Up holstory PU molded form of density 52-58 kg/m3, Mechanisms as legs made of CR pipes with PU cup holder arm rest,push back mechanism - box and Nylon cast metal rollers, with spring, height of chair 97cm - 100cm @52cm centre to centre, 90x8mm with chemical bonding method, All seat and back frames with enamel painting, Legs - powder coated, Mechanism- Laqor paint finished.							
		80					80.000	
	Total Quantity						80.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						80.000 each	
	Say 80.000 each @ Rs 5694.86 / each						<b>Rs 455588.80</b>	
SI No	Description	No	L	B	D	CF	Quantity	Remark
<b>3 CONTINGENCIES</b>								
Lump-Sum Total						<b>Rs 49070.00</b>		
Provision for GST payments (in %) @						<b>12.0%</b>		
Amount reserved for GST payments						<b>594730.32</b>		
Total						<b>5550816.32</b>		
Lumpsum for round off						<b>0.00</b>		
<b>TOTAL Rs 5550816.32</b>								
<b>Rounded Total Rs 55,50,816</b>								
Rupees Fifty Five Lakh Fifty Thousand Eight Hundred and Sixteen Only								



(Cost Index Applied for this estimate is 37.93%)



Other Engineering Organisations

# PRICE