



**NATIONAL BANK FOR AGRICULTURE AND
RURAL DEVELOPMENT**

TAMILNADU REGIONAL OFFICE

TENDER DOCUMENT

PART-II

(PRICE BID)

**INTERIOR WORKS FOR NEW CONFERENCE HALL IN
THIRD FLOOR AT NABARD REGIONAL OFFICE AT
NUNGAMBAKKAM CHENNAI-34**

ISSUED TO

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(This tender document contains 13 pages)

PART -II
BILL OF QUANTITY

SI No	Particulars	Unit	Qty	Rate in Rs.	Amount in Rs.
A	Internal works				
I	DISMANTLING				
1	Dismantling the existing old partition including wooden partition, glass partition, wooden frame, etc complete including stacking of useful materials near the site and disposal of unserviceable materials outside the premises to a distance, etc. complete as directed.	Sqm	40.00		
2	Dismantling the existing old False ceiling all complete including stacking of useful materials near the site and disposal of unserviceable materials outside the premises to a distance, etc. complete as directed.	Sqm	225.00		
3	Dismantling of existing work station unit, complete as directed.	Nos	10.00		
4	Dismantling of the existing workstation unit and erecting it at new location in the office premises, etc. complete as directed.	Nos	8.00		
II	PARTITION				
	[Note: The contractor shall be paid for the partition area up to the false ceiling bottom only , however the rate quoted should be inclusive of frame work for the partition above false ceiling and up to RCC ceiling level.]				
1	FULL HEIGHT SOLID PARTITION (REFER TO DRAWING NO. 4 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				

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	<p>Providing full height partitions of height 2600mm or as required at site made of 90mmx50mm finished Sal wood frame work finished with 2 coats of termite resistant coating with vertical members at intervals of 600mm and minimum 7 Nos. of horizontal members at a spacing as required at site. The frame work to be cladded on both sides with 6mm thick commercial Boiling Water Proof plywood. The partition to be provided with Teak Wood skirting of size 75mm x 20mm on both sides and finished to desired wood effect by application of melamine polish after initial surface preparation. The vertical frame is to be fixed to the ceiling with necessary fittings. The partition should be executed as per architectural drawing. The rate to include supply, fabrication, fixing with all necessary accessories, etc. complete as directed.</p>				
	<p>Solid Partition one side veneer of 4mm thickness and one side laminate finish of 1mm thickness (Basic price of veneer is to be Rs.1075/- per Sq.m; Basic price of laminate is to be Rs.800/-Sqm)</p>	Sqm	48.00		
2	<p>FULL HEIGHT GLAZED PARTITION (REFER DRAWING NO. 4 of ANNEXURE E TO PART 1 - TECHNICAL BID)</p>				
	<p>Providing and fixing of Full height glass partition fixed in line, level and plumb made out of 12 mm thick toughened glass of approved make with U channel fixed in flooring, the top side may be screwed to the beam with joints in between glass should be filled with clear acoustic sealant etc. all complete as directed. All exposed edges to be tapered and glass shall be machine polished The rate of glass shall be inclusive</p>	Sqm	26.00		

	of chamfering, cutting of glass, frosted film of approved design, necessary fixing arrangement of approved quality and make, joint filling, octroi, loading - unloading, delivery on site and taxes thereon. etc., complete as directed.				
3	WOODEN BOX PANEL (REFER DRAWING NO. 5 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				
	Providing and fixing wooden boxing in front as per design with 50mm x 50mm Hard wood (sal) section frame work with three or more horizontal members and vertical members placed at 600mm centre to centre to be treated with two or more coats of anti-termite resistant coats . The frame work will be cladded with 18mm thick plywood in the back side and sides of the boxing. The plywood should be finished with 4mm thick teak wood veneer of required design as per drawing. The cross section of the 4ft height of the box panel should be as per the Drawing No.5 of Annexure-E in Technical Bid with a 6" dip at the top of the partition which is to accommodate plant pots. The top edge of the box partition should be finished with Teak wood lipping of 12mm thickness. The rate is to include supply, fabrication, fixing with all necessary accessories, etc. Complete as directed. (Basic price of veneer is to be Rs.1075/- per Sq.m)	Sqm	15.00		
III	DOORS				
1	FULL GLASS DOOR (REFER DRAWING NO. 5 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				
	Providing and fixing glazed door of 12mm thick Toughened glass with frosted film as				

	per design The glass with has to be fixed. with all side and Top rails of size 31.25mm x 125mm and the Bottom rail of size 37.5mm x 250mm.The rails to be made out of best quality teak wood. The door shall have 18" long S/S handle and also double action floor spring of "Dorma" or approved equivalent make. The frosted film in glass pattern should be of approved design. [Note: The size of the door may slightly vary as per site conditions for matching the elevation of the fixed glazing. All exposed edges of the glass to be machine polished, Patch fitting to be of Dorma make and Dorma locking arrangement is to be used for fixing the glass. The rate to include supply, fabrication, fixing with all necessary accessories, etc. Complete as directed.				
a	Single Door of Size 0.90m x 2.10m	Sqm	7.00		
IV	FLOORING				
1	VITRIFIED TILES				
	Providing and Fixing 600x600 mm vitrified floor tiles on the existing flooring with cement based high polymer, modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness, matching the existing shade conforming to IS:15622,of approved brand & manufacturer, in all colours and shade, including grouting of joints with white cement and matching pigments etc., complete as directed. (Basic price of the vitrified tiles to be Rs. 860/sqm)	Sqm	170.00		
V	WALL PANEL WITH VENEER FINISH (Refer Drawing No.4 of Annexure E in Technical Bid)				

	<p>Providing and fixing wall panelling in position as per design with 50mm x 25mm Hard wood section frame work all the design with corners ways screwed to the floor and ceiling with M.S. Cleats and to be treated with ant termite oil .The frame work to be cladded with 8mm thick BWR plywood and to be finished with 4mm thick Veneer and melamine polished as per design with adhesive 75mm x 12.5mm thick white beach or white cedar skirting as per design should run along with the entire bottom length of partition on both sides with natural polish. The rate to include supply, fabrication, fixing with all necessary accessories. The work to be completed as per design drawings and as directed. (Basic price of veneer to be Rs.1075/- per Sq.m)</p>	Sqm	61.00		
VI	GYPSUM FALSE CEILING				
	<p>Providing metal frame suspended false ceiling using 12.5 mm gypboard screwed to standard metal grid consisting of Galvanized Iron (GI) Perimeter channels, of size 0.55 mm thick having one flange of 20 mm and another flange of 30 mm & a web of 27 mm along with perimeter of ceiling, screw fixed to brick wall / partition with the help of nylon sleeves and screws, at 600 mm center to center (c to c). The suspending GI Intermediate channels to be of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1220mm c to c with GI Angle 25 mm x 10 mm x 0.55 mm thick fixed to soffit with GI Cleat & Steel expansion fastener. The ceiling section to be of 0.55 mm thickness having knurled web of 51.5 mm & two flanges of 26 mm each with lips of 0.5 mm fixed to intermediate channel with the</p>	Sqm	210.00		

	<p>help of connecting lips and in direction particular to be the intermediate channel at 457 mm c to c. The 12.5 mm tapered edge Gypboard is to be screw fixed to the ceiling section with 25mm drywall screws at 230 mm c to c. Screw fixing is to be done mechanically with drilling machine and suitable attachment. The joints between the board have to be filled with joining compound and paper type, along with 2 coats of primer including suitable painting for a smooth finish. Necessary provisions and fittings shall be made in the false ceiling to incorporate light fittings, Air conditioning supply and return air grills and other contrivance as may be required, complete as directed.</p>				
VII	WALL PAINTING				
	<p>Providing and applying the existing wall colour of two or more coats of plastic emulsion paint of approved make & shade in two coats over a coat of approved primer and 2 coats of putty with basic scrapping to give an even shade as per manufacturer's instruction to the internal plastered surfaces including preparation of surfaces, scaffolding etc. The approved colour of paint has to be applied over the ceiling, wall as directed. All complete as per drawings and specification for all heights.(The colour and shade shall be got approved by the site Engineer).</p>	Sqm	50.00		
VIII	CONFERENCE ROOM TABLE (REFER DRAWING NO. 6 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				

	Fabricating, supplying and installing of an Oval shaped conference hall table as per plan, configuration, shape and dimension as per drawing. The table top shall be of 20 mm thick marine plywood finished with 4 mm thick veneer of approved brand and shade, and the front panel to be of 12 mm thick marine plywood finished with 4 mm thick veneer of approved brand and shade. The exposed edges shall be fixed with best quality Teakwood rounded edge profile with matching thickness etc. complete. The table shall have stainless steel frame & legs at approx. every 90 to 150 cm c to c as shown in the drawing. The stainless steel frame shall be as per specification and dimension as shown in the typical section. The item will have to be executed by knock down method by first marking the oval shape at site on floor and then locating the table leg and frame on the floor bracing all frames by bolting in concealed manner. Complete as directed. (The total length of the table is measured along the middle of table width and the width will be on an average of the corners and centre of the curved portion.)	Sqm	23.00		
	TOTAL Amount (A) Internal works in Rs.				
B	ELECTRICAL WORKS (REFER DRAWING NO. 3 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				
IX	INSTALLATION OF LUMINAIRES				
1	Supply, Installation, Testing and Commissioning of High performance, Recess mounted 39W 2X2 LED light fitting.	Nos	6		

	CRCA powder coated ribbed housing, special translucent high transmissivity, polycarbonate diffuser, Low power high efficiency LED, Excellent heat dissipation through direct contact, driver pre wired up to terminal block, Provision for loop in loop out for ease of wiring, The supply of accessories like clamps, supporting brackets and hardware as required and interconnecting with 3 core PVC insulated FRLS copper wire with all accessories required as per site conditions. Complete as directed. Make : Elenserve ,Model No : ELFCL-39QI-NL				
2	Supply, Installation, Testing and Commissioning of 16W LED down light fitting with all accessories and interconnecting with 3 core PVC insulated FRLS copper wire and fixing the same in the ceiling / partition as per site conditions. Complete as directed. Make : Elenserve ,Model No : ELDL-16GR-XX	Nos	40		
3	Supply, Installation, Testing and Commissioning of LED rope light with adopter, End holder and all accessories as required as per site conditions. Complete as directed.	Mtrs	50		
X	WIRING FOR LUMINAIRES MAIN LIGHT WIRING (PP)				
1	Supply, Laying, Testing and Commissioning of Point wiring for light, fan, 6A switched sockets with 3R 1.5 Sqmm (Phase, neutral and earth) FRLS insulated multi strand single core copper conductor wire drawn in existing concealed PVC conduits. The work also involves supply and fixing of 6A modular switch housed in manufacturer's GI box to be concealed to wall. The switch boxes				

	and points shall be located at as per the site conditions, Complete as directed.				
1.a	One light point controlled by one switch	Nos	10		
1.b	Two light point controlled by one switch	Nos	18		
1.c	Three light point controlled by one switch	Nos	5		
2	Same as item no a, but socket and switch fixed in light point control switch box	Nos	3		
3	Supply, Laying, Testing and Commissioning of 2R 1.5Sqmm + 1R 1.5Sq.mm PVC insulated FR multistrand copper wire in PVC conduit with all accessories as required as per site conditions, Complete as directed.. (lighting circuit mains) & Mains Wiring	Mtrs	110		
4	Supply, Laying, Testing and Commissioning of 2R 2.5Sqmm + 1R 2.5Sq.mm PVC insulated FR multistrand copper wire in PVC conduit with all accessories as required as per site conditions.(lighting circuit mains) & Mains Wiring	Mtrs	150		
XI	POWER OUTLETS (SOCKETS)				
1	Supply, Fixing, Testing and Commissioning of 3 nos 13A pin universal type socket and 1 no 16A switch with moulded front plate and other associated accessories required to fix in the work station as per the site conditions, Complete as directed.(for UPS POWER)	Nos	15		
2	Supply, Fixing, Testing and Commissioning of 1 no 6A socket with moulded front plate GI anodized enclosure and other associated accessories as per the site conditions, Complete as directed. (for UPS POWER/RAWPOWER)	Nos	15		
3	Supply, Fixing, Testing and Commissioning of 1 no 16/6A switched socket with moulded	Nos	5		

	front plate GI anodized enclosure and other associated accessories including chasing embedding rough plastering as required as per the site conditions, Complete as directed. (for UPS POWER/RAWPOWER)				
XII	CABLING FOR POWER OUTLETS UPS/RAW POWER WIRING				
1	Supply and installation of 3R 2.5 Sqmm (Phase, neutral and earth) FRLS multi strand copper wire drawn in existing concealed PVC conduits wall and termination with copper sockets at both ends for 3x6A sockets/UPS/RAWPOWER -6A socket, Complete as directed.	Mtrs	150		
2	Supply and installation of 3R 4 Sqmm (Phase, neutral and earth) FRLS multi strand copper wire drawn in existing concealed PVC conduit and termination with copper sockets at both ends for 16Asockets//UPS/RAWPOWER, Complete as directed.	Mtrs	100		
XIII	DATA AND VOICE WIRING WORKS				
1	Suppling, Laying, Connecting & Commissioning of the CAT - 6 DATA Communication c Cable in 25 mm dia PVC Conduits and Making holes in the Aluminium partitions / wall Accessories as Required (D- Link), Complete as directed.	Mtrs	500		
2	Supply & Installation, Testing & Commisioning of Modular Type DATA &VOCE SOCKET Housed in GI anodised Metal Box with Suitable FacePlate Fixing the Same in the wall / partitons With accessories etc.. As required. Complete as directed.	Nos	15		
3	Supply and Installation of 1Mtr Mounting Card (D - Link), Complete as directed.	Nos	15		

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4	Supply and Installation of 2Mtr Mounting Card (D - Link), Complete as directed.	Nos	15		
XIV	MISCELLANEOUS				
	Removing of 3x6A Socket Controlled by 16A Switch with front plate with all the Accessories and also 6A Socket Controlled by 6A Switch with front plate with all the Accessories with 6/16A Socket Controlled by 16A Switch with front plate with all the Accessories, Removing of 2 x 2 light , tube light & spot Light fitting with all the Accessories works etc.. Existing wiring for data voice cable and socket with necessary required job etc., Complete as directed.	L/S	1		
	HVAC WORKS (REFER DRAWING NO. 7 to 9 OF ANNEXURE E TO PART 1 - TECHNICAL BID)				
XV	GI DUCTING FOR RECTANGULAR				
1	Supply, installation, testing & commissioning of Rectangular aluminum Ducting made of Lock-forming quality AL; complying with IS standards and with necessary supports as per specification. All the ducts shall be supplied as Box type and no ducting works are permitted at site (except small connections). Duct sheet shall be of GSS with a minimum Zinc coating of 120 GSM. Complete as directed.				
a	22 Gauge	Sqm	15		
b	24 Gauge	Sqm	100		
XVI	THERMAL INSULATION FOR DUCTS				
1	Supply and fixing of Thermal Insulation with Class "O" with Antifungal microban,				

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	closed cell, elastomeric, nitrile rubber, dust free, fiber free, and CFC free insulation. Thermal insulation shall be fixed on for the whole duct surface. Complete as directed.				
a	13 mm thick	Sqm	100		
XVII	AIR TRANSMISSION DEVICE				
1	Supply, Installation, testing and commissioning of Air grillers / Diffusers for air conditioned areas fabricated out of extruded Aluminum, Powder coated sections, with color matching to interiors and collar Damper for the supply Air. Complete as directed.				
A	4" Continuous grill for Supply and Return Air, Complete as directed.	Sqm	2		
B	Supply and Fxing Of Collar Damper with size of supply air collar for the above grilles, Complete as directed.	Sqm	2		
2	Existing duct removing, Complete as directed.	L.S.	1		
	TOTAL Amount (B) Electrical works in Rs.				
	TOTAL Amount (A)+(B) in Rs.				

Amount in words (A)+ (B) Rs.

Place

Date

Address

Name Seal and Signature of the Contractor

Seal and Signature of the Contractor