



NIRMALA NIKETAN INSTITUTE'S
**COLLEGE OF HOME SCIENCE,
NIRMALA NIKETAN**

Affiliated to the University of Mumbai
NAAC Accredited 'A+' Grade

49, New Marine Lines, Churchgate, Mumbai - 400 020. ☎ 2207 6503 / 2200 7544
Email: principal@nnchsc.edu.in / office@nnchsc.edu.in Web.: www.nirmalaniketan.com

12th April 2023

Sub: Inviting Quotations for Renovation of the Conference Room(7th Floor)

Respected Sir/Madam,

We intend to renovate the Conference Room (7th Floor) and get the wooden work done to suit the contemporary need of educational and academic requirements. We invite you to send your most competitive quotation for the same.

If your prices and terms are favourable for different areas of renovation and wooden work as specified in given annexures, we shall consider giving the contract to renovate the conference room.

Kindly also send details on the mode of payment, terms and conditions details of transaction, etc. Please give the reference of our website on your quotation and address the quotation to The In charge principal, College of Home Science, Nirmala Niketan, Mumbai – 400020. Kindly mail the softcopy to principal@nnchsc.edu.in / admin@nnchsc.edu.in by 19th April 2023 and courier the quotation in a sealed envelope to College of Home Science Nirmala Niketan, 49- New Marine Lines Mumbai 400020 by 20th April 2023.

We hope to hear from you soon regarding this quote request. We also look forward to a long-standing business relationship with you if this transaction is a success.

Thanking You,

Anuradha Bakshi

In charge principal

Dr. Anuradha Bakshi



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Internal Renovation and wooden work in the CONFERENCE ROOM (7th floor, College of Home Science Nirmala Niketan)

Quotations of BOQ For Internal Renovation and wooden work in the Conference Room 7th floor, College of Home Science Nirmala Niketan					
Sr no	Item Description.	Qty	Unit	Rate	Amount
1.	Removal of False ceiling. ➤ Removing false ceiling from ceiling and carting away debris from 7th floor to ground floor.	300	SQFT		
2.	Repair of Ceiling.(Structural repairs and plastering) Providing and applying polymer modified cement mortars of C.M 1:3 in specified ratio of polymer in bag of cement as per manufacturer specification OR in 1:5:15 ratios to RCC surface duly treated as above with appropriate thickness. More detailed specification to be referred as per technical specification or as instructed by the Consultant / Engineer. The item includes rust remover, Rust inhibition coat, Boand coat application before applying PMM. Application area : chajja, columns and beams. (Rates are only for 1 inch thickness of PMM layer for thickness above one inch extra charge of Rs. 90/sqft will be charged.)	250	SQFT		
3.	Repainting of Walls and ceiling with Premium paint. Cleaning the Internal walls, Waist slab, beams and other areas of Common area with sanding paper no 220 Identifying all areas where putty is to be filled along with filling of Hairline cracks. Applying one coat of Primer and two coats of Paint as suggested by engineer (Consider oil paint application).	1700	SQFT		
4.	Constructing and Installation of two Wooden cupboards with Specifications as attached in Annexure C.	2	No.s		
5.	Repair and Refitting of Main Wooden Door for Conference Room.	1	No.s		
6	Installation of readymade Vinyl Flooring or Engineered wood Flooring or PVC Plank flooring	300	SQFT		

7	Installation of 8 no's of LED Light of 20 W each along with their Wiring and connection to old or new boards all inclusive, work includes material (consider Wiring of 140 RFT)	Lumpsum				
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Terms and condition.

1. Rates to be filled should be excluding GST.
2. Advance of 40 % to be paid during signing of work order.
3. Final payment after completion of work.
4. Labour Insurance to be taken by contractor before commencement of work.
5. Materials to be used as per the given specifications in Annexure A.
6. Work should be done as per the specifications given in Annexure B .

Annexure A

GENERAL SPECIFICATIONS OF ITEMS TO BE USED IN RENOVATING THE CONFERENCE ROOM

Type and make of materials to be used

College Of Home Science Nirmala Niketan		
Approved List of Nominated Manufacturers/Suppliers of Materials		
A	CIVIL AND INTERIOR WORK	
Sr. no.	Item Description	Approved Brands / Manufacturers
1.	Plywood Marine ISI 710 (BWP)	Century & if not available then equivalent with Clients/Architect approval.
2.	Plain particle board	Decoboard, Nuwud, Archidply, Nova Teak super by Indian Plywood Mfg. Co. -ISI Approved grade
3.	Partition Frame Work	Teakwood, Wood guard with black japan on it
4.	Exposed Wood	CP Teakwood, BTC wood, Agrowood, Rubberwood
5.	Gypsum boards	India Gypsum
6.	Laminates 1mm & 1.25 mm	Royal Touch (Luxury laminates) or equivalent
7.	Drawer channels	Earl Bihari, Hettich brand or equivalent
8.	Keyboard/ Hardware	EBCO, Hettich or equivalent
9.	Soft Board	Alfa 44 Pravin Kumar or equivalent
10.	Screws	Nettlefold, GKW or equivalent
11.	Hardware (Imported)	Dorma, Hafel or equivalent
12.	Adhesives	Fevicol SH & SR, Movicol HV of Mafatlal ,Araldite of ciba Geigy, Vemicol ,Parcol, Feviquick or equivalent
13.	Paint	Asian Paint, Nerolac .I.CI (Dulax-Duco), Berger or equivalent
14.	Texture paint	Royal Play of Asian Paint or equivalent
15.	Locks	Godrej or equivalent
16.	Handles	Haffel or equivalent
17.	Wood Preservative	Bison by British paints, Woodguard, Termiseal or equivalent
18.	Cement	Ultratech/ Ambuja or equivalent
19.	White cement	J.K, Birla white or equivalent
20.	Blinds	Vista, Innovative or equivalent
21.	Windows	Hindalco or equivalent
22.	Internal Cables/Wires for Electrical wiring	Polycab/Anchor

23.	Vinyl Flooring	Any ISI Marked brand with warranty on Wear and tear of 36 months. (Eco Friendly and Recyclable material will be given preference)
24.	Engineered wood flooring	Any ISI Marked brand with warranty on Wear and tear of 36 months. (Eco Friendly and Recyclable material will be given preference)
25.	PVC Wooden Texture Plank	Any ISI Marked brand with warranty on Wear and tear of 36 months. (Eco Friendly and Recyclable material will be given preference)

ANNEXURE B

Specification of Structural Repair work to be done

- Providing and applying polymer modified cement mortars of C.M 1:3 in specified ratio of polymer in bag of cement as per manufacturer specification OR in 1:5:15 ratios to RCC surface duly treated as above with appropriate thickness. More detailed specification to be referred as per technical specification or as instructed by the Consultant / Engineer. The item includes rust remover, Rust inhibition coat, Boand coat application before applying PMM. Application area : chajja, columns and beams.

Specification of Internal Painting work to be done

- Cleaning the Internal walls, Waist slab, beams and other areas of Common area with sanding paper no 220 Identifying all areas where putty is to be filled along with filling of Hairline cracks. Applying one coat of Primer and two coats of Paint as suggested by engineer (Consider oil paint application).

Specification of wooden work to be done

1. General Specifications for all woodwork :

- All internal woodwork shall be treated with anti-termite preservative.
- All internal framework shall be of teak wood unless otherwise specified.
- All exposed edges of plywood /blockboard shall be finished with 1mm thick Laminate.
- All plywood/blockboard shall be of marine grade/quality unless otherwise specified.
- Drawer bottom, shelves bottom and bottom surface of table top shall be finished with Sunmica.
- Irrespective of thickness mentioned in the drawings, laminate shall be of following thickness as mentioned below:
 - a) 1.0mm thick laminate:- Horizontal Surface
 - b) 1.0mm thick laminate: Vertical Surface
 - c) 1mm thick laminate: On internal visible surface except bottom surface of table top, shelf bottom and drawer bottom.
 - d) 1.0 mm thick laminate on all edges of Counters, Drawers, Storage shutters, Shelves.

- e) Laminations of various thickness shall be of Royal Touch (Luxury Laminates) or equivalent manufacturer.

2. Designing, Construction and Installation of wooden cupboards

- The cupboards should be made by using plywood fixed on a plywood facing. The shape should be a box and size should as mentioned in the BOQ. The thickness of the ply should not be less than minimum 18 mm. The facing should be properly fixed with each other by using brackets.
- Plywood used shall be termite resistant and should be hydrophobic in nature.
- The plywood used should be Century brand.
- Doors of the cabinets should be made up of plywood and fixed with hinges.
- The doors should have lock and lever system and handle should be installed.
- Lock and lever to be used should be of Godrej brand only.
- The cabinets and the doors should be covered with Sunmica of good quality and 1mm thickness of Century brand.
- The Sunmica should be properly filed and polished to obtain a smooth surface.
- Internals of wood to be polished properly with branded polish.

3. Renovation, repair and Installation of Wooden Doors.

- The existing doors should be removed after causing minimum damage to the existing wall.
- The wood and minimum and maximum moisture content shall be as per IS 12896:1990.
- All members of Doors shall be exactly at right angle and without any warp or bow.
- Wood used shall be solid and strong wood and shall be bought from a reputed supplier.
- Fixture shall be used of Stainless steel.
- Door handles, latch and knobs should be used of Godrej brand.
- Each door shall be provided with a Lock of Godrej brand.
- Sunmica/laminate should be used for full Door.

4. General specification for locks, hinges and other fixtures used in

Plywood :

- Shelves - 3/4" thick marine plywood with all exposed edges in laminate positioned to accommodate vertical files, removable and supported on pins.

- Shutters - made out of 3/4" thick marine ply. All external surfaces, front, sides, all exposed edges shall have 1.0 mm thick. Laminate of approved make and colours complete as per instructions at site.
- Hinges - Each shutter shall have 4" long black oxidised brass butt or L hinges. Minimum 4 nos. hinges for Full height Storage and 2 nos. hinges for Low height Storage.
- Bolts - Flush tower bolts on the inside at top and bottom to the required shutters only - other shutters will have magnetic catch fixed top and bottom.
- Locks - Of approved make 4 - lever brass body dead lock with S.S. Key master key for groups as required.
- Handles - 6" ht. sunken brush steel of approved make.
- Skirting - 4" x 3/4" thick marine plywood for skirting.
- Finishing - All external visible surfaces finish with 1.0 mm thk laminate. Inside visible surfaces finished in 1 mm laminate. All internal woodwork to be hand polished. Backing marine ply will have anti-termite treatment & G. I. sheet.

Specification for Vinyl Flooring.

- **Total thickness:** 3.2mm
- **Wear layer:** 0.7mm
- **Roll width:** 2m
- **Roll length:** 25m
- **Total weight:** 2.6kg/m sq
- **European classification:** 34/42(suitable for very heavy commercial and light industrial use)
- **Abrasion:** Group T (EN660)
- **Indentation:** 0.2mm (EN433)
- **Fire-proof:** Bf-S1 (EN13501-1)
- **Colour fastness:** 6 (EN20105-B02)
- **Anti-chemical performance:** Good (EN423)
- **Dimension stability:** <0.2% (EN434)
- **Anti-slip performance:** R9 (DIN51130), R10 (AS/NZS 4586)
- **Castor chair resistance:** Good (EN425)
- **Sound absorption:** 19db (EN ISO717-2)
- **Electrical resistance:** <2KV (EN1815)

Specifications for Internal LED Lightings.

ELECTRICAL SPECIFICATIONS

1. LED FITTINGS

- The LED must be mounted on MCPCB, which should be made up of Metal core (Aluminum metal core) and should have the alumina coating with aerosol spray process of manufacturing to have the better heat conduction or dissipation.
- All lighting shall maintain CORRELATED COLOUR: 5000K TO 6500K
- The ballast shall be an integral part of the housing with PF \geq 0.9 and THD \leq 15%.
- The efficiency of the LED lamps at 85 °C junction temperature shall be more than 85%.
- Thermal management shall be in such a way that LED soldering point temperature shall not go beyond 75 °C.
- The output power variation should be less than 10% and the luminaire should perform in the input voltage range of 120-270 V.
- The LED luminaire shall be free of glare.
- Electrical connection shall be as per Class I product. Internal Wiring should be High heat/ voltage resistant XLPE/ Silicon insulated tin plated copper wire.
- The luminaries offered shall conform to Level-1 classification, solidly grounded Class I product for Earthing. The luminaire should have scientific designed Heat Sink to maintain Junction temperature for optimum LED Life.

- The control gear shall be designed in such a way so that temperature rise of MCPCB shall not be more than 20°C with respect to ambient temperature when measured half inch away from the component.
- Luminar shall be such that the glare from individual LED is restricted and shall not cause inconvenience.
- The Diffuser should be used in the luminar to restrict the glare of LEDs. And should have no yellowness during the entire life of the luminaire.

2. LED DRIVER

- Input voltage Range within 120Vrms to 270Vrms.
- Operating input voltage 240Vrms.
- No load power consumption $\leq 500\text{mW}$.
- Output voltage ripple should be within 3%.
- Power factor 0.95 2.2.6. Full Load Efficiency $\geq 90\%$
- THD $\leq 8\%$.
- Load regulation $\pm 5\%$
- Maximum Temperature rise $\leq 30^\circ\text{C}$ @ 45°C Tamb. with safety margin of 10°C .
- The driver should comply with CISPR 15 for limits and methods of measurement of Radio Disturbance characteristics.

3. ELECTRONIC COMPONENTS

- IC (Integrated circuit) shall be of industrial grade or above.
- Metallic film / Paper/Polyester Capacitor shall be rated for a temperature of at least 105°C .
- The resistors shall be preferably made of metal film of adequate rating. The actual loading versus rating shall be 3.
- The junction temperature of the Switching devices such as transistors and MOSFETs etc. shall not exceed 125°C (allowing thermal margin of 25°C).
- The heat sink compound used should be of silicon with high thermal conductivity with 3W/mk . 2.3.6 The heavy components shall be properly fixed. The solder connection shall be with good finish.

4. MECHANICAL SPECIFICATIONS

- LED luminaries shall be Single piece Die Cast Aluminium alloy Housing.
- The housing shall have high conductivity acting as heat sink, with Powder coating with distortion free, clear, Heat Resistant Toughened UV stabilized Glass in the front fixed to the die cast Aluminium frame.
- The glass shall be fixed to the housing with high quality long lasting Neoprene Rubber gasket duly impregnated with insecticide and water repellent chemical on the periphery of lamp compartment by means of stainless steel screws to render it dust proof, water proof and vermin proof.
- The luminaries shall be having IP-65 Protection for street lights & IP66 for flood lights conforming to IS: 10322 (part-2) – 1982.
- Especially coated/anodized high quality aluminium reflector to achieve reflectivity of above 95% shall be provided.
- The weight of the overall luminaire should be less than 10 KG so that it can be handled / fixed by 1 person.
- The luminaries assembly and manufacturing process for the LED source assembly in modules/ arrays shall be designed to assure all internal components are adequately

supported to withstand sudden impacts and mechanical shock and vibration from high winds and other sources.

- The LED tubelight and tube light with fitting, 18W PLL & 8W PLS shall be provided with drivers such that they are in ready to use condition with normal live and neutral supply (230V AC)
- The LED tube light fittings shall be provided with arrangement (prefabricated holes in fixture/ mounting arrangement) so that they can be mounted in wall without any hassle.
- **The fixture shall carry a permanent identification as under:**
 - Sr.No.
 - Name/Year of manufacturing
 - Rated wattage (input & output)
 - Voltage input
 - Batch no. for identification

(Annexure C) DIAGRAMS OF CUPBOARD TO BE BUILT.

