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Government of India
Bhabha Atomic Research Centre
Post Bag No.1. Yelwal, Mysuru 571 130

SECTION-I
NOTICE INVITING TENDER

The Superintending Engineer, BARC, Mysore invites on behalf of the president of India, sealed item rate tenders from approved and eligible contractors of CPWD/PWD, other Government Organization having experience in works of ‘ Similar Nature’ for the following works

Tender Reference No.	Ref: BARC/PROJ/MYS/C&I/LK/2017/WO/01
Name of the Work	Aluminum Partition & Allied work at DF-2 Mysore
Estimated value	Rs.8,00,000.00/-
Time allowed for completion	1 Month
Earnest Money Deposit	Rs. 16,000.00/-
Security Deposit	2.5 % of the tendered value
Performance guarantee	5 % of the tendered value
Cost of tender document	Rs 500/-(Non-refundable)
Issue of tender document on written request	25/05/2017 to 05/06/2017 from 9.30AM to 4 PM
Last date of receipt of sealed tender document	Up to 3 pm on 08/06/2017
Date & Time for opening of Tender	At 3.15 pm on 08/06/2017
Place of Tender Submission	Tender Box No.3 kept at Building-2,BARC,Mysore
Place for Tender Opening	Pay and Accounts Officer, BARC, BuildingNo.2

- The tender documents will be issued only in person and will not issue by post or courier. A complete set of Tender documents in English will be issued against written request by authorized signatory on company letter head and as approved by Engineer-In-Charge. Prospective bidder or his authorized representative shall bring photo identification like Passport, Voter's Identity Card, Driving License, Identity Card issued by the employer for entry into BARC premises for purchase of tender documents as well as their submission.
- **Earnest Money Deposit** in the form of Account Payee **Demand Draft /Deposit at call receipt/Fixed deposit receipt** on any scheduled/nationalized bank payable at Mysore in favor of **Pay and Accounts Officer, BARC, Mysore** shall be

submitted with tender in separate sealed cover. Tenders received without **EMD** will be summarily rejected.

- Tender documents can be obtained on working days from **Pay and Accounts Officer, BARC, Yelwal, Mysuru-571130**. Tender cost shall be paid in Cash at cash counter. Tender cost is non- refundable.
- Technical Clarifications regarding the tender can be obtained from the DF-2, C&I Lab(ph. 0821-2406808)
- Criteria of Eligibility for issue of Tender Documents.

Technical Criteria

- Proof of valid registration certificate in appropriate class of contractor.
- Valid electrical contractor license for the appropriate class, issued by any Govt. Licensed Board/ Dept.(for electrical job only)
- Documentary evidence from appropriate authority of having satisfactorily completed at least **three** similar works of 40%,(Rs.3,20,000/-) or **two** similar works of 60% (Rs.4,80,000/-) or **one** similar work of 80%,(Rs.6,40,000/-) of the estimated cost of tender, during the last 05 years ending on last day of month previous to one in which tender sales starts.

Financial Criteria

- Average annual turn-over in last 05 years ending the previous financial year shall not be less than 30% of the estimated cost.
- Possessing solvency certificate of value not less than 40% of the estimated cost.
- TDS Certificate for proof of value of work executed for various clients.

Project Resources

- Contractor shall furnish declaration that he has not been debarred from tendering by any authority/Agency
- Proof of registration with Government / Semi government Organization, if any.
- List with evidence (like copy of work orders and completion, performance certificates etc) of similar works in hand and completed in last 05 years.
- List of constructional plant and machinery.
- List of technical staff with their qualification and experience.

After examining these documents, blank tender documents will be issued only to the firm prima-facie found competent to carry out the tendered job. Sale of Tender / Opening of Tender does not imply acceptance / approval.

- 1) The estimated cost of work indicated is only approximate and the contractor shall workout the rates based on the actual data.
- 2) Tender form is non-transferable. All rates shall be quoted on the proper form of the tender alone.
- 3) Special care should be taken to write the rate in figures as well as in words and the amounts in figures only, in such a way that interpretation is possible. The Total amount should be written both in figures and in words.
- 4) Insertion, post-script, addition and alteration will not be recognized unless confirmed by bidder's signature and stamp.
- 5) Quoted rates shall be inclusive of all taxes, duties and other Government levies, except service tax. Service tax applicable on the date of payment will be reimbursed on production of documentary evidence of its remittance to service tax department.
- 6) Tenders with any condition including conditional rebate will be rejected. However, tenders with unconditional rebate will be accepted.
- 7) The Tender and EMD shall be placed in separate sealed envelopes each marked '**Tender**' and '**Earnest money**' respectively. Both the envelopes shall be submitted together in another sealed envelope, super scribing the tender No, due date and Name of work. The tender shall be deposited in the 'Tender Box No.3, Mechanical and Electrical' kept at Building No.2, BARC, Mysore. The envelope marked 'Tender' will be opened only if the EMD is in order... Cash and Cheque for earnest money deposit will not be accepted.
- 8) The **Security Deposit** at 5 % of gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with sum already deposited as earnest money will amount to security deposit of 2.5% of tendered value of the work. In addition the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as **performance guarantee**. The time allowed for submission of the Performance guarantee by the contractor ranging from 4 to 15 days of issue of the letter of acceptance depending upon the magnitude and urgency of the work. The period can be further extended at the written request of the contractor to- the engineer-in-charge for a maximum period ranging from 1 to 15 days with late fee at 0.1% per day of performance guarantee amount, failing which the EMD will be forfeited to the Government of India. Security deposit of 5% can also be accepted in the form of Demand draft/Fixed deposit receipts or Bank guarantee from Nationalized Banks.

- 9) The tenders will be opened in the Office of the **Pay and Accounts Officer** on the specified date & time. If desired, the contractor or his authorized representative can be present at the time of opening of tenders.
- 10) If the date for submission of tender and opening of tender happens to be declared holiday at a later date, the same will be postponed to the next working day.
- 11) It will be obligatory on the part of the tenderer to sign the tender document for all the pages/ sheets.
- 12).It will be obligatory on all tenderers to return tender document along with drawings at the time of opening the tender whether they are making the bid or not.
- 13) BARC reserves the right to reject any or all tenders or to allot parts of the work to different agencies without assigning any reasons whatsoever.
- 14) The tender for the works shall remain open for acceptance for a period of 120 days from the date of opening of tender.
- 15) This Notice Inviting Tender shall form the part of the contract document.

Superintending Engineer
Bhabha Atomic Research Centre
For & on behalf of the President of India

SECTION II **TECHNICAL SPECIFICATIONS**

1. Scope of Work:

The work covered by this specification include supply, installation and fabrication of aluminium sections for partitions, doors and windows with necessary fittings, supply and installation of Pre-laminated particle board and thick clear glass for partition section and door, Providing and fixing of single door for the partition, False ceiling with the required structural steel support and the internal electrification strictly in accordance with these specifications.

2. Materials:

- a) **Aluminium:** Aluminium hollow sections anodized of conforming to I.S 733 and I. S 1285. The anodized coating shall comply with I.S 1868. Partition material shall be Jindal make.
- b) **Glass:** The glass shall be of as specified and it shall be free from bubbles, flaws specks, waves, air holes, distortion, scratches or other defects. The glasses in bulk quantities shall be brought to site in maker's original packing and makers guarantee shall be produced if called for by the engineer-in-charge. The glass shall be of required thickness as mentioned in items of schedule of quantities and / or drawing or as directed by the Engineer-in-charge. The contractor shall produce the sample of the glass which he proposes to use on the work and only such approved quality of glass shall be used in the works. The glass brought to site shall be protected against damages. Wherever frosted glass is mentioned in item of schedule of quantities, the glass shall be of sand blown pattern and shall also be got approved the engineer-in-charge. The glass panes shall weigh at least 7.5kg/m². The surface flatness shall not be more than 0.50mm with surface compression strength in the range of 20 to 30N/mm². The glass sheet of Triveni/Saint Gobain make shall be provided with necessary fittings.
- c) **Beading:** The beading shall be of anodized Aluminium beading of channel section as sizes mentioned in the item. The junction of beading shall be miter jointed.
- d) **Pre-Laminated Particle Board:** Double sided board flat pressed conforming to I.S 12823
- e) **Door:** Door springs, hinges and locks shall be provided with Dorma make.
- f) **False Ceiling:** Gypsum board or Pop tiles (preferably Saint Gobain make) with the required supporting channel and hardware items shall be provided. Necessary steel grid structure shall be provided on the floor for supporting false ceiling
- g) **Steel:** Structural steels support such as ISMC-100, ISA-50, and MS plates (200x200x10 mm) shall be provided with TATA/Jindal make.
- h) **Window:** Three nos. of sliding windows (Dimension-4'x3') shall be provided with

suitable locking arrangements.

- i) Electrical Accessories: All the accessories/hardware required to carry out the internal electrification work shall be provided with standard/industrial quality. The PVC conduits (Preferable Make: Sun/Universal) and the flexible wire (Make: Finolex/RR Kabel) shall be FRLS type. Required quantities of fittings like saddles, bends and junction boxes shall be supplied along with the PVC conduits. The modular switch boxes with PVC top plate shall be supplied with the required fittings. (Make: Legrand).
The modular sockets and switches shall be provided with required rating as shown in the BOQ. (Preferable make: Siemens/GM/Anchor).
Switch plate shall be supplied with industrial grade (3.3mm thickness) material. The Lighting fixture shall be supplied with Compact Fluorescent Lamp (CFL) and the necessary fittings. (Make: Philips/Hawels).
Wall mounting fan with required fittings shall be supplied by the contractor. (Make: Usha/Orient/Polar).

3. Workmanship:

- a) The Aluminium frame shall be square and flat, the corners of the frame being fabricated to a true right angle.
- b) The glass shall be cut to the required sizes of panels where it is to be fitted and it shall be so cut that it fits properly in the frames without rattling. Pre-measurement of each panel prior to cutting of glass is essential.
- c) The beading shall then be fixed to glass panels and screwed at close intervals not more than 10cm from each corner and the intermediate not more than 20 cm apart. When glass panels are fixed with wooden beadings having mitered joints or Aluminium beading thin layer of glazier putty shall be applied covering the area in contact between the glass and sash bars and beadings.
- d) The electrical wiring has to be carried out as per the general industrial standards and procedures. PVC conduit & flexible wire length given in the tables is approximate only. However the actual wiring route length shall be measured and to be cut under the guidance of Engineer-in-charge.
- e) The scope of the contractor includes making holes in the brick masonry and RCC floors for entry of cable wherever required.
- f) Necessary safety precautions have to be followed while executing the electrification work.

4. Applicable Codes and Specifications:

The relevant I.S. specification, standards and coeds given below are made a part of this specification. All standards, specifications, code of practices referred to

herein shall be the latest edition including all amendments, revisions and additional publications.

List of Indian Standards:

Sl. No	I.S. No	I.S. Particulars
01	I.S.733	Specification for wrought Aluminium and Aluminium Alloys, Bars, Rods and sections
02	I.S. 1285	Wrought Aluminium and Aluminium Alloys- Extruded Round Tube and Hollow Sections for General Engineering purposes
03	I.S. 1081	Code of practice for fixing and glazing of steel and Aluminium doors, windows and ventilators.
04	I.S.1200 (Part-VIII)	Method of measurement of building and civil engineering works.
05	I.S.1868	Specification for anodic coating on Aluminium and its alloys.
06	I.S.1948	Specification for Aluminium doors, windows and ventilators
07	I.S. 2835	Transparent sheet glass for glazing and framing purposes, alloys.
08	I.S.5523	Method of testing anodic coating on Aluminium and its alloys.
09	I.S. 1646	Code of practice for fire safety of buildings (general) electrical Installation
10	I.S. 5216	Guide for safety procedure and practices in electrical works

5. Materials:

- a) The frames of all the doors and wall spans shall be fabricated from extruded Aluminium sections of standard make.
- b) Aluminium alloy used in the manufacture for extruded sections for this work shall correspond to I.S. 733/I.S1285 and shall be anodized before incorporation in the work. The rate quoted for these items is deemed to include the cost of anodizing also.
- c) The frame work, style, mullions, beadings, transom and handles etc. shall be of Aluminium anodized sections.
- d) All sections and hardware shall have minimum anodic film (natural matt finish) of thickness not less than 15 microns.

- e) Stainless steel or cadmium plated brass counter sunk screws, nuts; bolts, washers, rivets and other miscellaneous fastening devices shall be of approved brass cadmium plated or stainless steel.
- f) Each door leaf shall be prepared to receive glass panel of required thickness of special selected quality of approved equivalent.
- g) Glazing shall be done with neoprene dry set glazing gasket of best quality and approved make with snag-in beveled white anodized matt Aluminium metal glazing stops inside and outside.
- h) All doors shall have door closure, handle, door stopper, tower bolts and locks approved manufacture only. The door shall be fixed as per the specifications in the required area as directed by Engineer-in-charge.
- i) All Aluminium surfaces in contact with masonry or concrete shall be given a heavy coat of bit mastic paint.
- j) After fabrication Aluminium metal/Glass Panels shall be protected from construction hazards that may damage their appearance or finish therefore all exposed surfaces of all Aluminium members shall be protected by masking tape during shipment and erection.
- k) Filling of gap in between Aluminium frames and adjacent RCC/Brick shall be done using weather silicon sealant. Air tightness should be ensured.
- l) All the materials shall be brought to site in maker's original packing and makers guarantee shall be produced if called for by the Engineer-In-Charge.
- m) The bottom portion of the Aluminium partition shall be using pre-laminated particle board and other portions shall be of frosted/plain glass panes.

6. Fabrication:

- a) The frames shall be squared and flat and the corners of the frame shall be fabricated to true right angle. All the fixed, sliding, opening frames shall be fabricated with sections which have been cut to length mitered and mechanically fixed at the corners.
- b) In case welded joints are used anodizing shall be done after fabrication as a whole unit is completed. All welding shall be on unexposed sides in order to prevent pitting, discoloration of other surfaces, imperfection after fixing, etc.
- c) Necessary allowances shall be made while manufacturing the door frames and wall spans for receiving plaster.
- d) Thick layer of clear transparent lacquer based methacrylates or cellulose butyrate shall applied on the finished section of the Aluminium work by the supplied to protect the surfaces from wet cement, lime, dirt, dust etc, during installation.
- e) Structural steel support for aluminium partition and false ceiling work shall be carried out with standard industrial procedures.

7. Hardware:

- a) All cutouts, recesses, mortising or milling operations required for fixing the hardware shall be accurately made reinforced with backing plate as required to ensure adequate strength of the connection.
- b) All the hardware, accessories shall be best approved types and of anodized finish same as for the frames and other sections.
- c) The contractor shall guarantee for all hardware that they shall remain free from defects of any kind of material and workmanship for a period of one year from date of delivery
- d) The contractor shall repair or replace any and all defective work and damage caused thereby at any time or time during that period within 3 days from the written notice. This shall be done without any cost to the department and to the complete satisfaction of Engineer-in-charge.
- e) In case the same are not replaced immediately after the receipt of the notice the department shall do so at the cost of contractors. The cost as certified by the Engineer-in-charge shall be final and binding on the contractors.
- f) Each lock shall be supplied with 2 keys and each key shall be with the numbers stamped thereon according to the door numbers, where it is installed.
- g) All hardware shall be free from defects which may affect appearance and serviceability.
- h) All hardware shall be fixed after obtaining the prior approval of the Engineer-in-charge.
- i) Approved samples of hardware shall be kept in the custody of the Engineer-in-charge. Working and moving parts of the lock sets shall be accurately fitted to smooth, close bearings and shall be free from rattle.

8. Fixing in position:

- a) The fixing of the frame shall be done with stainless steel or cadmium plated brass counter sunk screws driven onto teakwood rough grounds already fixed to the wall with holdfasts.
- b) The screws nuts. Washer, bolts, rivets and other miscellaneous fastening, devices shall be of approved brass cadmium plated or stainless steel as specified in the drawings or as directed by the Engineer-in-charge.
- c) No field fabrication of the frame shall be permitted. All Aluminium and glazing work shall be fixed in position as per relevant Indian standard specifications and code of practices.
- d) All joints between metal and masonry shall be fully caulked with mastic in order to ensure water tightness.
- e) The joints shall be neatly pointed with matching cement and excess material shall be removed.

- f) All hardware shall be fixed in workmanship like manner and as directed by the Engineer-in-charge.

9. Glazing work:

- a) After the inspection by the engineer in charge, glass panes shall be cleaned off any labels; paint smears spots etc and shall be washed from both the sides. The contractor shall provide all the scaffoldings and tools for fixing the glass panels.
- b) The glazing shall be either transparent or ground or figured as specified in the drawing or as directed by the Engineer-in-charge.
- c) The glass shall be cut so as to give a clearance of not more than 1.5mm around the frames.
- d) All the glass panels shall have properly squared corners and straight edges.
- e) The glass panels shall be fixed to the frame with approved neoprene dry-set glazing gaskets of best quality and approved make with shap-in beveled white anodized matt finished Aluminium metal glazing stops inside and out.
- f) The glass panels shall be fixed firmly and truly parallel to the plane of frame.
- g) All damages or breakages during glazing shall be at the contractors own risk and cost till the work is fully accepted and taken over by the Engineer-in-charge.
- h) All the doors and wall spans/ fixed glazing shall be tested for water tightness. Any leakages found during testing, it is the responsibility of the contractor to rectify the same without extra claim

10. Electrification Work:

- a) All equipments, accessories, materials, workmanship and installation practices shall be in accordance with the relevant standards and codes / regulations.
- b) Cables shall be laid on cable trays, walls, ceilings, etc., as the case may be with proper clamping, identification arrangement.
- c) The contractor shall take all safety precautions during the execution of awarded work and shall maintain and leave the site safe all the time.

10. Other Scope of work:

- a) Transporting of all materials required for the work, handling, cleaning etc are included in the scope of contract.
- b) The supply of skilled and unskilled manpower, experienced supervisory and technical staff is included in the scope of contract. Full time engineer/Supervisor shall be deployed at BARC site for execution of the job.
- c) If the completed works after the acceptance thereof were discovered to be defective, notwithstanding that such defect could have been discovered at the time of inspection or found to have failed the requirement of the contract, the contractor at his own cost shall rectify the same.

- d) All safety measures to be taken in executing the work. Any damage to any other equipment inside the plant will be charged to the contractor by the department.
- e) All the supply materials shall be of reputed make as per the tendered technical specification, otherwise the materials will be rejected.
- f) Only the qualified technicians with experience shall be permitted to carry out the works.
- g) The contractor shall bear entire responsibility, liability and risk relating to coverage of his workforce under different statutory regulations including workmen's compensation act, factory act etc.
- h) The contractor shall submit shop drawings of fabrication and erection for the approval of the Engineer in Charge.
- i) No fabrication work shall be undertaken prior to the approval of the Engineer in Charge.

11. Mode of Measurements:

- a) The rate for Aluminium doors/partitions, windows, false ceiling shall be made based on the total finished surface area after the completion of all work. The rate shall include the cost of supplying and fixing the glass panes, all materials, labor, transport, and scaffold.
- b) The rate for structural steel shall be made based on the total finished/consumed area after the completion of work.
- c) The rate for internal electrification work shall be based on the total accessories/hardware consumed for the actual work.

SECTION III

GENERAL TERMS AND CONDITIONS

1. The general condition of the contract (CPWD) code paragraph 95 for item rate tender and contracts for works shall form part of the tender for this work and it is presumed that that the contractor has carefully studied them before quoting their rates in the schedule. This printed general condition of the contract is available at the BARC, Mysore office and will be made available during office hours.
2. The bidder must include in his offer, documentary proof of having done similar works for other organizations with full details including their address and name of contact person. Also mention type of the machines available to be engaged for this machining work. Each page of the tender document shall be signed by the bidder with their office seal.
3. The bidder shall supply skilled manpower, experienced supervisory and technical staff required for the job.
4. Any substandard work / defective work shall be re done free of cost.
5. **Quality surveillance and progress report:** All works covered by the document shall be subject to quality surveillance by the engineer in charge or his authorized representative for which purpose the contractor shall allow access at all reasonable time during working.
6. **Terms of payment:** 100% payment will be released on pro-rata basis for the completed portion of the works. Maximum 2 Bills & one final Bill will be allowed. The Bill in triplicate shall be forwarded the Accounts officer, BARC duly certified by the EIC in the prescribed format through M Book. Income Tax and other applicable taxes as per statutory rules will be recovered. PAN/TIN to be furnished.
7. **Security Deposit:** The Security Deposit payable @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as EMD, will amount to Security Deposit of 2.5% of the tendered value of the work. In addition, the contractor shall be required to deposit an equal amount of 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him failing which the EMD will be forfeited to the President of India. This period can further be extended at the written request of the contractor by the Engineer-in-charge for a maximum period ranging from 1 to 15 days with late fee @ 0.1% per day, of performance guarantee amount. Such time period may be mentioned in the

schedule F while finalizing the NIT Security deposit of 5% can also be accepted in the form of Demand draft/Fixed deposit receipts or Bank guarantee from Nationalized Banks. The Performance Security will be refunded after satisfactory completion of the work and the Security Deposit after the default liability period, i.e.; six months after the date of completion of entire work specified in the contract agreement.

8. **Electricity:** Construction power supply will be made available however the power will be given to the switchboard of the Contractor and distribution is the responsibility of the Contractor. It has been approved by the competent authority that the rate of recovery for supply of power to contractors and outside agencies in this center should be Rs.8.00 per unit. Cabling and installation done by the Contractor shall comply in all respects with the appropriate statutory requirements such as Indian Electricity Rules 1956.
 9. **Guarantee Period:** The entire work shall be guaranteed for satisfactory performance for a period of 6 months from the day of completion of the work. The security deposit will be refunded only after the defect liability period i.e. 6 months from the date of completion of the work. The performance guarantee amount will be refunded on satisfactory completion of the work.
 10. **Time of completion:** the period of completion of contract is 1 month from the 15th day of issue of work order.
 11. Necessary clearance shall be obtained from the Engineer-in-charge of the work, before commencement of the work. Work in progress shall be inspected by the Engineer-in-charge from time to time.
 12. **Termination of the contract:** The department reserves the right to terminate the contract at any stage of execution, if the performance or progress of work of the contractor is found to be not satisfactory.
 13. The contractor shall quote the unit rate, taxes, Transportation charges and the total value of the work as per the schedule of quantities.(Mentioned in section-V). Inclusive of all costs, taxes and levies and no additional charges will be accepted.
- Income tax on the works contract shall be recovered from the contractor's bills, as per the statutory order.**
14. **Validity of Offer:** The prices shall be valid for a period of 120 days from the date of opening of the tender.

15. The contractor of sub contractor, consultant, adviser(or) the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, TV or Internet without the prior written approval of BARC.

16. **Restricted information** : Category under Section 18 of the Atomic Energy Act 1962 & official secret under section 5 of the Official Secret Act 1923. Any contravention of the above act, provision by the contractor or employee of an engaged will invite penal consequences under the above said legislation

17. **Security Regulations:** Contractors will be allowed to work between 09.30 hours to 17.30 hours, on all working days (Monday to Friday). However working on holidays & beyond regular time will be allowed only with the special permission. **All the Engineers/ Supervisors / workmen deployed for execution of this work has to invariably produce the Police Verification certificate from the concerned Police station. It is the responsibility of the Contractor to obtain this certificate and Produce to the security at BARC, Mysore before starting the work**

18. **Safety Regulation:**

- a) The contractor shall take all safety precautions during the execution of awarded work and shall maintain and leave the site safe all the time. The contractor and his sub-contractors if any shall comply with the instructions given by the safety Engineer or his authorized nominee regarding the safety precautions, protective measures, house-keeping requirements etc.
- b) The contractor shall be held responsible for non-compliance of any safety measures and delays, implications, injuries and fatalities. All necessary personal protective equipment as considered necessary by Engineer - in charge shall be kept available by contractor for the use of the persons employed on the site and maintain in a condition suitable for immediate use.
- c) The contractor shall at all time keep his work spot and surrounding area clean and tidy from rubbish, scrap, sample materials and unwanted tools and equipments. All accidents leading property damage and personnel injuries shall be reported to the Engineer - in charge.

19. **Risk coverage**

- a) The Contractor shall bear entire responsibility, liability and risk relating to coverage of his work force under different statutory regulations including workman's compensations Act, Factory Act etc.

- b) The Contractor shall ensure that all safety precautions are invariably taken to safeguard Accidents and injuries to his workman. Work has to be carried out in accordance with Indian Electricity Act.
- c) The Contractor shall take all necessary precautions so as to avoid any damage/ breakage of the components of nearby machinery involved if something is broken / damages the same has to be set right at his own cost, failing which an amount deemed fit by Engineer- in- charge will be deducted from the Contractor's bill.
20. **Liquidity damages:** In case the contractor is not completing the assigned work during the completion period, the contractor shall pay to the departmental liquidated damages a sum calculated at the rate of 1.5% of the total contract price per month or part there of the delay. The total liability shall be limited to ten percent (10%) of the contract price.
21. Jurisdiction: the contract is subjected to Mysore jurisdiction only
22. The Contractor shall not sublet/ transfer the contract or any part of it.
23. The contractor shall quote his rate inclusive of all costs and taxes and no other additional charges will be entertained after the quotations are opened. Previous experience in handling similar type of works may be enclosed with the offer.

SECTION-IV
COMPANY PROFILE

1. Name of the company:
 - a).Name of the person with designation:
 - b).Tel / Fax Number:
2. Type of the company:
3. Year of establishment:
4. Annual turnover:
5. Nature of works undertaken:
6. POs reference as documentary evidence of S.No.5:
7. List of names of workmen (Skilled / Semi-skilled) and existing insurance coverage details:

S. No.	Name of the worker	Skilled / Semi-skilled	Insurance coverage details

8. List of material handling equipment, tools & tackles owned or hired or both:
9. Registration / License Copy to be enclosed:
- 10.

SECTION-V
SCHEDULE OF QUANTITIES
Format for submitting Quotation

Sl. No	Description	Qty.	Unit	Unit Rate in fig. (Rs.)	Unit Rate in words	Amt. in words (Rs.)
1	Providing and fixing in position anodized (anodized thickness of 15 micron) aluminium extruded sections, sheets, beadings, clips and louvers etc as specified in mat finished for aluminium partitions, windows and doors. The approximate sections for partitions shall be 101.6mm X 44.5mm X 2.05mm thick. The aluminium clips for holding glass or particle board shall be of size 19mm X 0.9mm thick. Partition shall be provided as per the architectural drawings and the directions of engineer-in-charge.(enclosed Annexure-I/Partition-I & Partition-II)	1000	Kgs			
2	Providing and fixing 12mm pre-laminated particle board flat pressed three layer or graded wood particle board confirming to IS:12823 Grade 1 type II in paneling fixed in aluminium doors, windows shutters and partition frames with C.P brass /stainless steel screws etc. complete as per the specifications and directions of Engineer-in charge.	75	Sqm			
3	Providing and fixing glazing (thick clear glass sheet) in aluminium door, window and partitions etc.with float glass panes (Triveni/Saint Gobain make) of 5.5mm thickness and PVC/neoprene gasket, clips etc complete as per specifications and directions of Engineer-in-charge	45	Sqm			
4	Providing and fixing of single doors of size 1m X 2m .The door shutters shall be made out of aluminium sections of	6	Nos.			

	size 47.62mm X 44.5mm X 2.32mm as top rail, 47.62mm x 44.45mm X 1.855mm thick as central rail and 114.30mm X 44.45mm X 2.15mm thick as bottom rail. The door shall have 12mm thick pre-laminated particle board of size approx. 1m X 1m and 5.5mm thick clear glass sheet of with necessary neoprene gasket, clips etc of size approx. 1m X 1m. The door shall be equipped with door locks, (Pin cylindrical type of Dorma make or equivalent make) door stoppers, door closer, 2 nos of handle, one stopper and 2 nos of aluminium tower bolt. as per specifications and directions of Engineer-in charge.					
5	Supply, erection, fabrication and painting of structural steels support such as ISMC-100, ISA-50, and MS plates (200X200X10 mm) etc. for Aluminium partition and false ceiling as per drawings enclosed.	1600	Kgs			
6	Supply and erection of anchor fasteners of size M10 X 75 mm	48	Nos.			
7	Supply and installation of False Ceiling with Gypsum board (2'X2'X8mm thick). The Gypsum board or Pop tiles shall be provided with the required main runner channel (1"X1½") and Cross tee channel ((1"X1") with all necessary fittings. Necessary steel grid structure shall be provided on the floor for supporting false ceiling.	50	Sqm			
8	Supply and Installation of electrical accessories & required hardware for carrying out internal electrification work in calibration room.					
8.a	Supply & Installation of FRLS – PVC Conduits of 25 mm dia. in wall/ceiling including bends & junction boxes complete with, fastening etc. (Make SUN/Universal)	80	Mtrs.			
8.b	Supply & installation of 1 Phase 4 way MCB distribution board, with 25 A 1	01	Set			

	phase ROCB, 2No. 10 A & 1 no. 6A MCB's, complete with chipping of wall for concealed installation, fixing of MCB's, & termination (Legrand or equivalent)					
8.c	Supply & installation of multi strand electrolytic grade Copper conductor, FRLS PVC insulated flexible wires of size 2.5 Sq.mm(two nos. for P& N) one no.1.5 Sq.mm (for E) in PVC conduits installed as per item no.8.a (Finolex/RR Kabel)	300	Mtrs.			
8.d	Supply & installation of Modular switch boxes with top plate (PVC) of size 8"X4" complete with surface mounting. (Make: Legrand or equivalent)	03	Nos.			
8.e	Supply & installation of Modular switch boxes with top plate (PVC) of size 8"X8" complete with surface mounting. (Make: Legrand or equivalent)	04	Nos.			
8.f	Supply & installation of Modular switches of rating 10A, (Make: Siemens/GM/Anchor or equivalent)	20	Nos.			
8.g	Supply & installation of Modular switches of rating 20A,(Make: Siemens/GM/Anchor or equivalent)	04	Nos.			
8.h	Supply & installation of Modular sockets of rating 10A,(Make: Siemens/GM/Anchor or equivalent)	11	Nos.			
8.i	Supply & installation of Modular sockets of rating 20A,(Make: Siemens/GM/Anchor or equivalent)	04	Nos.			
8.j	Supply & Installation of Switch Plate with suitable cut-outs for 8"X4" switch boxes with Hylum/ABS material.	03	Nos.			
8.k	Supply & Installation of Switch Plate with suitable cut-outs for 8"X8" switch boxes with Hylum/ABS material.	04	Nos.			
8.l	Supply & Installation of 2X18 Watts Compact Fluorescent Lamp (CFL) fixture recessed type.(Make: Philips/Hawels or equivalent)	08	Nos.			
8.m	Supply & Installation of Wall mounting Fan (450mm Sweep),Make: Usha/Orient/Polar or equivalent	04	Nos.			

Total amount in Rs.							

Amount in words (Rupees) _____

Please indicate the rates clearly in figures and words. The total amount shall be inclusive of all taxes involved.

Signature of Contractor with date and seal