Ref.: AFD/TSS/TE/2020/50248

To,

Sub: Works Contract for “design, modification, fabrication, supply and erection of ACP sheet metal roof extension with structural frame for façade area, false ceiling for metallic bridge corridor, PVC flooring of passage, ACP sheet metal doors, venation blinds, etc. at AFD as per specifications”

Sealed quotations are invited for & on behalf of the President of India for “design, modification, fabrication, supply and erection of ACP sheet metal roof extension with structural frame for façade area, false ceiling for metallic bridge corridor, PVC flooring of passage, ACP sheet metal doors, venation blinds, etc. at AFD as per specifications”. The scope of work, general specifications, terms & conditions are as follows:

Scope of Work and Specifications:

The scope of work involves design, modification, fabrication, supply and erection of ACP sheet metal roof extension with structural frame for façade area, false ceiling for metallic bridge corridor, PVC flooring of passage, ACP sheet metal doors, venation blinds, etc. at AFD as per specifications.

➢ Entire Supply of material is in the Supplier’s scope only. Suppliers shall prepare its own fabrication drawings and get it approved. It is to be ensured by the supplier that the fabricated structure has sufficient rigidity, strength, stability and life to serve intended purpose. Hence, estimation of total quantity and weight of material for this fabrication work is the responsibility of supplier.

A) Design, fabrication, supply and erection of ACP sheet metal roof extension with MS structural frame for façade area as per reference specifications:- Qty: 1 no.
1. Existing roofing of façade area shall be extended by min 300 mm by using ms structural sq. pipes. These pipes shall be welded at the end of existing structural pipes by giving sufficient slope for drain.
2. Vertical frame shall be fabricated at the roof end in such a way that it’s slope matches exactly with adjacent terrace parapet slope.
3. Entire structure shall be fabricated using ms structural sq pipes. Necessary gussets and supports shall be provided to strengthen vertical frame structure and roof extension.
4. ACP (Aluminum Composite Metal Panel) 4 mm thick sheet (approved make and shade) paneling shall be done for roof extension and vertical frame for entire façade area length.
5. ACP panel composition shall be of 0.5 mm thk PVDF coated aluminum sheet + 3 mm thk LDPE virgin resin core + 0.5 mm thk PVDF coated aluminum sheet
6. Total area shall be covered by paneling approx = 12 sq. mtrs.
7. Grid structure for paneling shall be fabricated from aluminum box sections and MS box sections of suitable sizes.
8. It is to be ensured that grids shall be completely filled with good quality weather sealant.
9. Entire paneling structure should have sufficient strength and rigidity.
10. Paneling shall be uniform throughout the length.
11. Min. tentative sizes of structural sq. pipes MS angles shall be considered in your design.
B) Fabrication, supply, erection and fixing of false ceiling for metallic bridge pathway with light fixtures:- Qty: 1 no.
1. False ceiling for entire pathway area of approx. 10.0 sq. mt. shall be done by using light weight 6 mm thick calcium silicate sheets. (Panel size 600x600x6 thk. calcium silicate sheets: aeroflite make)
2. Standard panel sizes shall be provided for false ceiling work with suitable 3/4” GI grid frame work.
3. Provision for fixing of LED light fittings shall be made in false ceiling. It should have sufficient strength and rigidity to take the loads of fittings.
4. Supplier shall have to prepare conceptual drawings with respect to modifications work, paneling work, false ceiling work etc. and get it approved.
5. Paneling and false ceiling shall be uniform throughout the length.

C) Fabrication, Supply, erection & fixing of miscellaneous items as per following specifications:
1. Laying of 2mm thk PVC flooring of standard make (Responsive/premier make):- approx. ~50 sq. mtrs. It consists of supply and laying of PVC sheets on entire passage area outside officers seating rooms. It includes floor leveling wherever necessary by POP filling, by applying strong adhesive of standard make to ensure sufficient strength and no air gap between sheet and floor.
2. Fabrication, Supply, erection & fixing of venation blinds at various locations: approx. ~38 sq. mtrs. It consists of supply and fixing of venation blinds at various locations and it’s smooth functioning for intended life.
3. Fabrication, Supply, erection & fixing of openable anodized aluminum doors with door closures, handle and locking arrangements: 3 nos. doors. It consists of Fabrication, Supply, erection & fixing of anodized aluminum doors made out of min 16G standard ‘jindal make alu door section of min 2½” x 1½” sections. Area to be considered ~8 sq. mtrs. These doors shall be made of composite section of min 4 mm thk ACP sheets, transparent glass min 5mm thk and alu sheets of min 3 mm thk.
4. Fabrication, Supply, erection & fixing of ACP sliding door for new bar turning area enclosure: ~5.5 sq. mtrs It consists of fabrication of ACP/glass/alu composite sliding door at new bar turning enclosure. The door shall have top railing for sliding. The frame shall be fabricated such that it can take weight of the door and structure and shall not bend or deflect in any condition. Sliding movement shall be smooth without any jerks and sideways deflections.
5. Fabrication, Supply, erection & fixing of ACP sliding door compartment inside room: ~2 sq. mtrs. It consists of Fabrication, Supply, erection & fixing of ACP sliding double door compartment with lock and key inside toilet for storage mops, brooms any other cleaning materials etc.
6. Supply and fixing of teakwood base plates for fixing name plates of size 12”x8”x3/4” thk = 12 nos.
7. Supply and fixing of teakwood support pattu for supporting notice boards of size 2”x1 ½”x 6’ long = 2 nos.
8. Supply and fixing of curtains for toilets of size 7’x4’ = 2 nos.
9. Supply and fixing of wooden stand for laptop keeping = 1 no.
10. Supply and fixing of mirror glasses for ladies and gents toilets of size 6’x2’= 1 no. and 2’x1 ½’ = 5 nos.
11. Supply and fixing of color partitioning glass with all fittings of size 6’x2’x10mm thk = 1 no.

Note: Minimum tentative sizes of Aluminum box and MS square pipes, MS angles, MS strips/flats, sheets etc. shall be considered in the design.

General technical Requirements:-
1. All material to be used for this work shall be in the scope of Supplier. Supplier shall utilize all standard structural materials. Entire supply of material is the responsibility of supplier.
2. Minimum tentative sizes of Aluminum box and MS square pipes, angles, MS strips/flats, ACP sheets etc. shall be considered in the design. Supplier shall have to prepare design and detailed fabrication drawings. Supplier has to estimate entire material list required for this work. All fabrication work shall be carried out as per approved drawings only.
3. Supplier shall carry out actual measurements at site and suggest deviations/corrections/modifications if any to make necessary changes if required.
4. Supplier shall prepare its own design and fabrication drawings as per actual site conditions and shall get it approved from concerned authority before commencement of work.
5. Supplier shall use all relevant IS standard material for this work. Material testing reports (Chemical, Mechanical etc.) from govt. approved labs should be submitted for approval. Material identification shall be witnessed by departmental representative.
6. Supplier shall test all material listed above for chemical analysis and mechanical tests as per IS 2062 for relevant structural material.
7. In case of any technical doubts, supplier shall contact concerned authority for clarifications.
8. Supplier shall have to arrange for arc welding m/c. along with all consumables (welding electrodes etc) required for this work.
9. All welding shall be carried out by SMAW technique.
10. Gas cutting, arc welding, grinding work etc. shall be carried out with utmost care. Supplier shall follow all safety measures while carrying out such work. Department shall provide gas cylinders for gas cutting purpose if required.
11. Burrs, sharp edges, projections etc. caused due to cutting, welding etc. shall be removed to maintain smooth surface. Workmanship of best quality should be maintained.
12. Supplier shall clear off all left out / unwanted material at the end of the work and ensure clean work area before handing over.
13. Supplier should have the previous experience in structural steel fabrication and erection work or similar site work along with quality assurance plan and should provide documentary evidence of the same for site visit clearance.
14. Suppliers having knowledge and experiences of preparing documentations, BARC procedures, standard welding procedures, safety procedures, material testing and inspection facilities, calibrated equipments etc. shall be preferred for the work contract.
15. Supplier shall obtain Medical Fitness certificates for all his workers involved in this work.
16. The required safety gears i.e. safety shoes, soap & undergarments etc. shall be provided by the supplier to their employees engaged in this work.

Terms & Conditions:-
1. Taxes GST, if any, shall be specified separately.
2. Supplier should clearly and separately mention the basic cost of supply, GST etc in the offer.
3. Work completion period is 60 days from the date of issue of the work order.
4. Any delay which is attributable to the contractor is liable for penalty @ ½ % per week (max. 5%) to be imposed on the contractor.
5. In case of delay in work completion, supplier may send request letter to concerned authority for extension in work completion period with proper justification for delay in work. Concerned authority may or may not give extension with or without penalty depending on the justification for delay.
6. Income tax @2% and GST TDS @2% will be deducted from the Suppliers bill.
7. Supplier should give guarantee for a minimum period of One Year for the workmanship.
8. Contractor must furnish their PAN no. & GST Registration Certificate.
9. 100% payment will be arranged after satisfactory completion of work at AFD and on submission of:
   a) Bills in triplicate,   b) Advanced stamped receipt,   c) Delivery Challan,   d) Guarantee Certificate
   e) site clearance certificate,   f) GST undertaking,   g) work completion certificate
10. Min. two workers & a supervisor shall be present at site during the work. During execution, all safety measures such as safety shoes, hand gloves, headgear for welding, certified machines for electrical jobs etc. are to be followed. The supervisor shall be experienced enough for safety (fire & personal) to oversee the site activities.
11. The upkeep of area is the responsibility of contractor. Any unwanted or extra materials shall be kept at designated area shown by departmental supervisor. For elevated jobs proper Safety Belts shall be used by all workers.
12. Contractor shall obtain police verification certificate (PVC) for all his employees including his supervisors and workers engaged in the work.
13. Site Visit:- The contractor shall have to visit the site to comprehend the scope of work and equipment conditions. The same will be arranged by the undersigned. The site can be visited from 18/3/2020 to 19/3/2020 between 10.00 hrs to 14.00 hrs on working days. However, prior intimation of at least three working days is necessary. For site visit, undersigned may be contacted (ph. 25594869, email: ppatil@barc.gov.in). Complete details of the firm, name of visitors, occupation/designation, identity proof, PVC details, date of visit etc. are required for approval of visit.
Contractor shall have to carry valid Photo identity card (Driving licence/passport/adhaar card) while visiting this premises. Contractor should not carry any type of electronic items such as mobile, pen drive, camera etc. with him/her at the time of visit.

Contractor shall provide documentary evidences of previous work experiences of similar fabrication work at the time of site visit without fail.

The quotations submitted without site visit will NOT be considered.

14. Confidentiality clause:

I. Confidentiality:

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidentially by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

II. "Restricted information" categories under Section 18 of the Atomic Energy Act 1962 and "Official Secrets" under Section 5 of the Official Secrets Act 1923. :-

Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation

III. Prohibition against use of BARC's name without permission for publicity purposes. :-

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, T.V. or Internet without the prior written approval of BARC.

15. Quotations are to be in printed letter head / quotation format which should consists of GST registration no., PAN of the firm etc. Quotations that are received in computer generated form will be considered as invalid & rejected.

➢ Sealed quotations must be forwarded by Registered or Speed Post ONLY. Quotations forwarded through any other routes will not be considered.

➢ Sealed quotations should be super scribed on the envelope with the "Reference number and Due Date" of this tender enquiry and should be addressed to and reached by (27/03/2020 by 16.00 hrs.) TO:

Shri P.J. Patil,
SA/E, Technical Services Section,
Atomic Fuels Division, Bhabha Atomic Research Centre,
Trombay, Mumbai-400085.

(P. J. Patil)
SA/E, TSS, AFD

(Surendra Kumar)
SOII, TSS, AFD

(For & on behalf of The President of India)

Copy to: 1) Head, AFD