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**INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR  
KHARAGPUR – 721 302, INDIA**

**INVITATION for TENDER**

**No. IIT/KGP/S&P/Aero/AT/Tunnel/2019-20**

**Date: 09.09.2019**

**Sub: “Fabrication of Annular Cascade Tunnel Facility”**

Indian Institute of Technology, Kharagpur, invites sealed bids from reputed who have adequate credential for fabrication, supply, installation and commissioning for **“Fabrication of Annular Cascade Tunnel Facility”**, required for dedicated use in relevant research purposes, as per Annexure–I for **Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, West Bengal, India.**

Interested parties may submit their sealed bids under Two-Bids system as per **Technical Specifications and special technical requirements from fabricator** are given at **Annexure I**, and **General Terms & Conditions and Special instructions** given at **Annexure II and Annexure III**. Bidders are required to submit their **Details** in the format given at **Annexure IV** along with their technical bids. They are also required to submit a signed **Declaration** in format given at **Annexure V**. A **Checklist** and **Compliance statement** against each item of Annexures I thereon severally and individually shall also be submitted. Kindly refer to the Institute website **www.iitkgp.ac.in** [link: Tenders] for complete tender details. The same is also available in the CPP Portal [<https://eprocure.gov.in/eprocure/app>]. If there is any corrigendum/addendum, it shall only be published on Institute’s Website and Central Public Procurement Portal.

The tender is to be sent in a sealed packet, containing two separate sealed envelopes (one each for **Technical Bid and Price Bid**) along with prescribed **EMD** to the Office of **Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, P.O. Kharagpur Technology, PIN 721302, West Bengal, India.**

The technical bid will be evaluated first and price bids will be opened in respect of those OEMs/Vendors, who are found technically qualified after evaluation of Technical bids. Date for opening price bids will be intimated later.

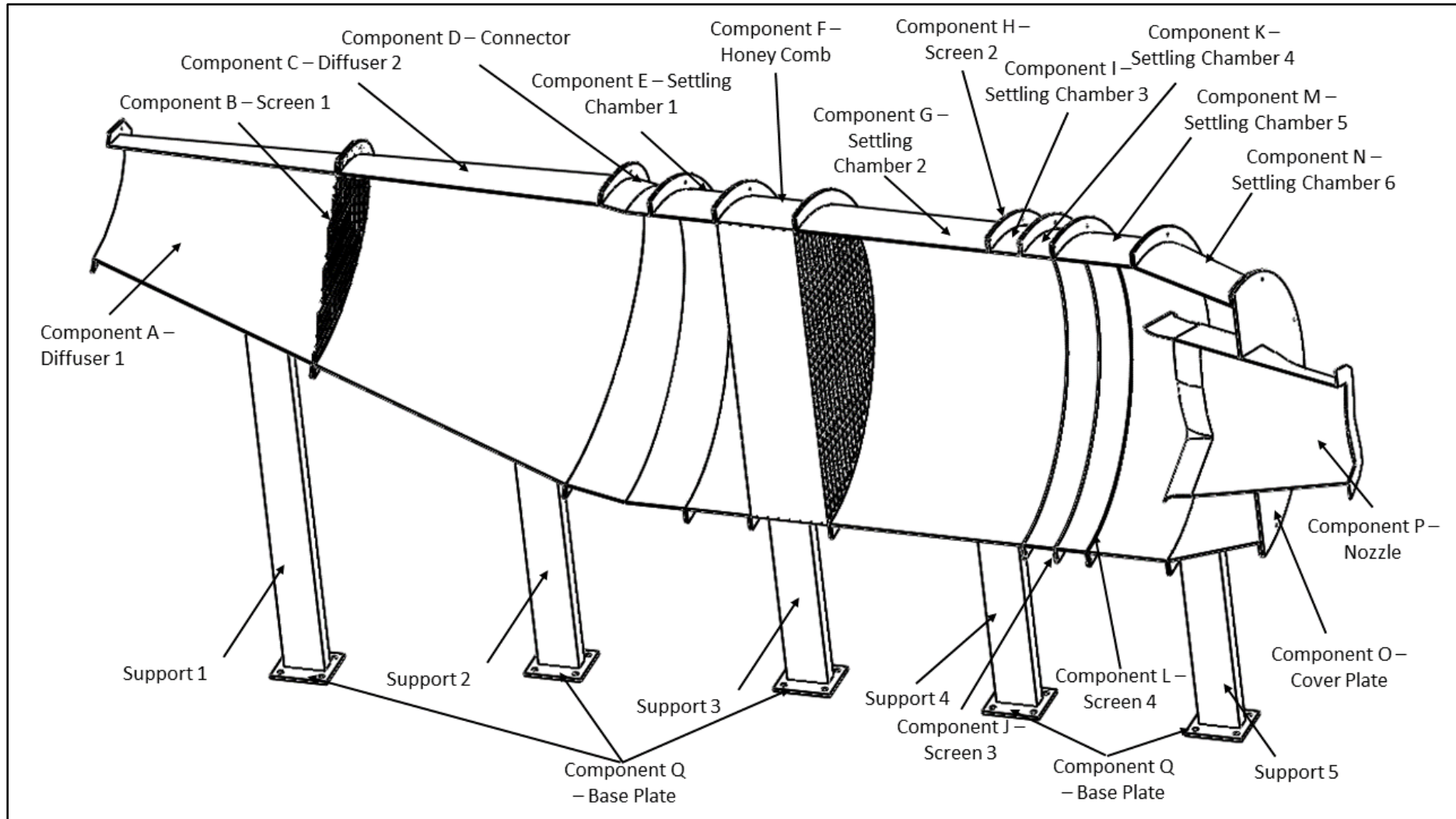
**Earnest Money Deposit (EMD) of Rs. 10,000/-** is to be deposited in the form of Account payee Demand Draft in favour of IIT Kharagpur, payable at Kharagpur, India.

**Head of Department,  
Department of Aerospace Engineering  
IIT Kharagpur**

## SCHEDULE OF EVENTS

Tender Reference	<b><i>IIT/KGP/S&amp;P/Aero/AT /Tunnel/2019-20</i></b> <b><i>09.09.2019</i></b>	<b><i>Dated:</i></b>
Price of Tender Document	<b>NIL</b>	
Last Date and Time for submitting the tender document	<b>09.10.2019 at 15:00 Hrs (Indian time)</b>	
Time and Date of Opening of Technical Bids	<b>09.10.2019 at 16:00 Hrs (Indian time)</b>	
Place of Opening Tender	<b>Department of Aerospace Engineering, Indian Institute of Technology Kharagpur – 721 302, West Bengal, India</b>	
Address of Communication	<b>As stated above</b>	
Contact Telephone Numbers	<b>+91- 3222 - 283002</b>	
E-mail	<b>csmistry@aero.iitkgp.ac.in</b>	

ANNEXURE – I



**Experimental Setup (Cut Section)**

## COMPONENT DETAILS FOR ANNULAR CASCADE TUNNEL

<b>Component A – Diffuser 1 (1 Nos)</b>	<b>Component B – Screen 1 (1 Nos)</b>	<b>Component C – Diffuser 2 (1 Nos)</b>	<b>Component D – Connector (1 Nos)</b>	<b>Component E – Settling Chamber 1 (1 Nos)</b>
Smaller end ID* = 400 mm	Diameter = 750 mm	Smaller end ID = 680 mm	ID = 1000 mm	ID = 1000 mm
Bigger end ID = 680 mm	Wire Diameter = 3.15 mm	Bigger end ID = 1000 mm	Length at smaller end = 80 mm	Length = 200 mm
Length = 700 mm	Spacing between wires = 10 mm	Length = 800 mm	Thickness = 5 mm	Thickness = 5 mm
Thickness = 5 mm	Porosity = 0.58	Thickness = 5 mm	Flange OD = 1100 mm each side	Flange OD = 1100 mm
Smaller end Flange OD* = 500 mm	Supporting ring OD = 750 mm	Smaller end Flange OD = 780 mm	Angle = 12°	
Bigger end Flange OD = 780 mm	Supporting ring ID = 710 mm	Bigger end Flange OD = 1100 mm		
	Supporting ring thickness = 1 mm each side			
Material – MS Plate	Material for Ring – MS Plate Material for Wire - SS	Material – MS Plate	Material – MS Plate	Material – MS Plate
Process for making -Bending and Welding	Process for making – Cutting and Welding	Process for making -Bending and Welding	Process for making -Bending and Welding	Process for making -Bending and Welding

<b>Component F – Honey Comb (square) (1 Nos)</b>	<b>Component G – Settling Chamber 2 (1 Nos)</b>	<b>Component H – Screen 2 (1 Nos)</b>	<b>Component I – Settling Chamber 3 (1 Nos)</b>	<b>Component J – Screen 3 (1 Nos)</b>
Casing ID = 1000 mm	ID = 1000 mm	Diameter = 1070 mm	ID = 1000 mm	Diameter = 1070 mm
Casing Length = 250 mm	Length = 600 mm	Wire Diameter = 0.8 mm	Length = 100 mm	Wire Diameter = 0.56 mm
Casing thickness = 5 mm	Thickness = 5 mm	Spacing between wires = 2.8 mm	Thickness = 5 mm	Spacing between wires = 2 mm
Plate thickness = 1 mm	Flange OD = 1100 mm	Porosity = 0.6	Flange OD = 1100 mm	Porosity = 0.61
Plate spacing = 30 mm		Supporting ring OD = 1070 mm		Supporting ring OD = 1070 mm
Height = 250 mm		Supporting ring ID = 1030 mm		Supporting ring ID = 1030 mm
		Supporting ring thickness = 1 mm each side		Supporting ring thickness = 1 mm each side
Material for casing – MS Plate Material for Honey Comb square section – SS302 or equivalent	Material – MS Plate	Material for Ring – MS Plate Material for Wire - SS	Material – MS Plate	Material for Ring – MS Plate Material for Wire - SS
Process for making - Bending, Welding and sheet metal	Process for making - Bending and Welding	Process for making – Cutting and Welding	Process for making - Bending and Welding	Process for making – Cutting and Welding

Component K – Settling Chamber 4 (1 Nos)	Component L – Screen 4 (1 Nos)	Component M – Settling Chamber 5 (1 Nos)	Component N – Settling Chamber 6 (1 Nos)	Component O – Cover Plate (1 Nos)	Component P – Nozzle (1 Nos)
ID = 1000 mm	Diameter = 1070 mm	ID = 1000 mm	Bigger end ID = 1000 mm	Diameter = 900 mm	Smaller Inner Radius = 560 mm
Length = 100 mm	Wire Diameter = 0.16 mm	Length = 250 mm	Smaller end ID = 800 mm	Thickness = 12 mm	Larger Inner Radius = 900 mm
Thickness = 5 mm	Spacing between wires = 0.56 mm	Thickness = 5 mm	Length = 300 mm	Make slot as per the dimension of Component P - Nozzle	Nozzle Contraction Ratio = 7
Flange OD = 1100 mm	Porosity = 0.605	Flange OD = 1100 mm	Thickness = 5 mm		Length = 590 mm Thickness = 5 mm
	Supporting ring OD = 1070 mm		Bigger end Flange OD = 1100 mm		Profile shape of nozzle will be shared to fabricator as per the requirement
	Supporting ring ID = 1030 mm		Smaller end Flange OD = 900 mm		Nozzle has elliptical shape inside the tunnel
	Supporting ring thickness = 1 mm each side				Angle between two side walls of annular sector = 40°
Material – MS Plate	Material for Ring – MS Plate Material for Wire - SS	Material – MS Plate	Material – MS Plate	Material – MS Plate	Material – Aluminium
Process for making - Bending and Welding	Process for making -Cutting and Welding	Process for making - Bending and Welding	Process for making -Bending and Welding	Process for making - Bending, Cutting and Welding	Process for making -Casting

*OD – Outer Diameter
*ID – Inner Diameter

### Supporting Structure:

Component Q – Base Plate (10 Nos)	Component R – Channel Plate (10 Nos)	Support Channel- 1 (2 Nos)	Support Channel- 2 (2 Nos)	Support Channel– 3, 4 and 5 (6 Nos)
Length = 175 mm	Length = 150 mm	C channel – 5 inch x 1.75 inch	C channel – 5 inch x 1.75 inch	C channel – 5 inch x 1.75 inch
Width = 155 mm	Width = 50 mm	Length = 65.5 inch Approx.	Length = 59.3 inch Aprox.	Length = 54.33 inch Aprox.
Height = 10 mm	Height = 10 mm			
No. of Holes = 4 Diameter of Holes = 18 mm	No. of Holes = 3 Diameter of Holes = 10 mm			

## Technical Terms and Conditions:

1. **The job under the scope of supply involves precision machining and fabrication of Annular Cascade Tunnel Facility. Hence the bidder is requested to go through the enclosed technical specifications and drawings thoroughly before submitting quotation as mentioned in Annexure-I.**
2. **The materials for fabrication should be strictly as mentioned in Annexure-I.**
3. **The bidder should have proper workshop and inspection facility under their possession and purchaser reserves right to visit their premises to assess the technical capability before placing the work order.**
4. The purchaser reserves the right to increase or decrease the quantity of components/parts to be machined and supplied to Department of Aerospace Engineering, IIT Kharagpur.
5. Inspection testing and evaluation of the items will be done by purchaser or his authorized representative. The bidder/supplier shall allow the purchaser's representative to visit their premises and provide the facilities needed for inspection.
6. The bidder shall deliver the finished job with documents **strictly within 90 days** from the date of receipt of work order. The delivery is to be made at Department of Aerospace Engineering, IIT Kharagpur, West Bengal-721302.
7. The supplier should confirm the items offered vis. a vis. the requirements specified. Any deviation from the requirements mentioned in this specification should be highlighted in the quotation.
8. **Please note that the decision taken by the purchaser or his representative on acceptance of the components after inspection will be final and supplier/bidder shall give their irrevocable consent on the same.**
9. The offer shall be kept open for acceptance for a minimum period of **15 days** from the date of opening of the quotation. Incomplete quotation will not be considered for evaluation.
10. **A brief list of similar jobs executed if any, to the reputed institutes/R&D laboratories in the last five years. List of the consumers with their correspondence address (with e-mail ID, phone and fax numbers) has to be provided by the vendor should be furnished with the quotation. Also, a list of testing machine tools and inspection instruments, in connection to the job, available with the bidder should be provided. Photographs, pictures of Setups developed should be included for reference purpose.**
11. The fabrication work must be completed in all respects and the manufacturer or representative must ensure complete integration of all sub-systems as required and take responsibility of service and supply spares if any.
12. The all fabrication details should be provided with a **COMPREHENSIVE WARRANTY**

period of one (1) Year from the date of Installation & Commissioning and date of acceptance against all manufacturing defects and faulty workmanship.

13. Spare parts and optional accessories may be quoted separately.
14. Compliance of all the listed specifications/terms and conditions sheet should be indicated on a separate sheet.
15. Purchaser reserves the right to accept/reject any or all the quotations received without assigning any reason whatsoever.
16. **The price bid should mentioned with the cost of individual component and as overall cost of setup.**

**The following terms to be accepted and submitted by the bidder (need to be included in technical bid on company Letterhead).**

### **1. Manufacturing plan and Quality Assurance plan**

- I. Immediately after confirmation of the purchase order, the supplier shall prepare a brief overall plan for manufacture of various components, inspection, shop assembly and testing and submit it to the purchaser for approval. The detailed fabrication drawing shall be prepared and submitted to the purchaser for approval. Any suggestion shall be indicated clearly on these drawings.
- II. The manufacturing process and the workmanship shall be consistent with high grade practice and shall be adequate to consistently achieve the accuracy and surface finish called up in the drawings and requirements as per this specification
- III. Prior to commencing manufacture of the items, the supplier shall submit to the purchaser a detailed manufacturing procedure (MP) indicating along with the stages of inspection and a detailed Quality assurance Plan (QAP). The stages of inspection to be carried out by the supplier and the purchaser's check points shall be identified in the QAP. The manufacture shall commence only after obtaining purchaser's approval for MP and QAP.
- IV. The manufacturing plan has to be selected to achieve the required dimensions within specified dimensional & geometrical tolerances mentioned in this specification.
- V. The supplier shall establish the Welding procedure and conduct all tests required by ASME Section IX in order to qualify both the welding procedures and the performance of welders for the material to be used during the manufacture of the components.
- VI. The manufacture should be carried out in accordance with the approved MP and QAP, using appropriate machines and tools by qualified operators. Capability of machines to achieve the necessary tolerances specified in the drawings shall be established before machining of actual components, if needed.
- VII. Any deviation from the approved MP and QAP during the manufacturing has to be intimated to the purchaser and a prior written approval has to be obtained before implementing it.



- VIII. Any change in terms of standard must be communicated to purchaser before starting the fabrication work for approval.
- IX. All work covered by this specification including the items procured by the supplier shall be subject to Quality Surveillance by the Purchaser or his authorized representative. The supplier shall produce an inspection plan to the purchaser's satisfaction and notify the imminent checkpoints in advance to enable QA Engineer to be present, if so desired.
- X. On completion of machining operations, the items *shall be thoroughly cleaned to remove all traces of cutting oils, debris, burr etc. and inspected*, and have to be packed suitably to prevent any damage and corrosion by applying appropriate rust preventives.
- XI. **The metallic wire screens need to be properly cut and welded without disturbing the circular shape inside the settling chamber (as per the drawing).**
- XII. **The square honey comb section need be made as per the dimension. The honey comb section will be fitting inside the circular chamber, the cutting and fitting should not be disturbing along the length of settling chamber.**
- XIII. **The set up need to be Painted with Two Coat Primer and Two coat enameled from inside and outside. The inner surface smoothness needs to be maintained uniform throughout the length.**

## **2. Inspection/testing requirements and reports**

- a. If the fabrication, examination, inspection and testing is not in conformance to the requirements of this specification, the test assembly will be rejected and no extra amount will be paid from the purchaser.
- b. *The whole job work is comprising of number of cylindrical components which need to be aligned properly along the length with maximum deviation of 0.5 mm in diameter.*
- c. *Since the facility will be subjected to higher air flow rate, the connection of all cylindrical components needs to be leak proof.*
- d. At the discretion of the Purchaser, the failed component may be accepted, as deviated part or required to be reworked, repaired, re-inspected, re-tested or totally rejected. The decision of Purchaser will be final in this regard.

## **3. Confidentiality, Terms and Conditions**

Detailed fabrication drawing should be kept confidential. It may be required to sign an Non-Disclosure Agreement with IITKgp at the time of the PO generation.

#### 4. Scope of work

- a. Free access should be provided to the purchaser/representative for visiting the supplier's premises for follow up, testing/inspection, assembly trials.
- b. The finished component shall be packed suitably in polythene cover and then in a wooden box so as to avoid any damage during transportation. The supplier shall be fully responsible for a proper care/handling of the components during packaging and shipment to ensure their safe delivery to Department of Aerospace Engineering, IIT Kharagpur without any kind of damage.
- c. The delivery of finished components shall be made only after obtaining the necessary shipping release from the purchaser. The shipment shall not take place unless the purchaser has been notified. The components shall be covered by a Supplier's transit insurance during transportation to the place of delivery as indicated in purchase order.
- d. The supplier shall design, fabricate and supply robust wooden re-useable shipping frames (transportation crates) with proper reinforcements to prevent distortion & damage during handling and transportation of subassemblies. *Each crate shall be completely closed from all sides with wooden planks or plywood sheets* and shall be lined with water proof paper.
- e. Each component should be completely enveloped in polythene sheets before placing inside the crate. Liberal quantities of silica gel crystals shall be placed in each box to maintain a dry atmosphere inside. The components shall be adequately supported and clamped with wooden blocks and wedges inside the crate to prevent their movement during handling & transport. The packages shall be clearly and legibly marked in a suitable permanent manner on top and sides with the information like PO number, overall package dimensions and gross weight, number of packages in shipment.
- f. All the machined faces and threaded/machined holes of the components shall be protected from corrosion/damage. All imported machined surfaces and protruding shafts shall be protected appropriately with thermocol or plywood sheets. All openings or bare threaded holes shall be blanked/plugged to prevent ingress of foreign materials.
- g. *The components shall be guaranteed for a period of at least 12 months against any faulty workmanship.* The defective component (partly/entirely) has to be repaired or replaced by the supplier at their own cost during this period. The transportation of such faulty component/s from the purchaser's premises and delivery of the replacement component back to the purchaser's premises shall be arranged by the supplier at own cost.
- h. **The unloading of the finished component is in the scope of supplier. Necessary arrangement needs to be made by supplier for unloading at IIT Kharagpur.**

**GENERAL TERMS AND CONDITIONS**

- 1) **Last Date of Submission of Sealed Bids (both technical and price bids, separately): 09.10. 2019 up to 3.00 P.M.**

**The Technical bids will be opened on 09.10. 2019 at 4.00 P.M. in the Office of Department of Aerospace Engineering, I.I.T. Kharagpur, India.**

- 2) **Payment Terms & Performance Bank Guarantee (PBG):** 90% payment will be made on submission of shipping documents and balance 10% payment will be made on installation, commissioning and submission of PBG for performance period if the payment is made by LC, otherwise 90% will be released after receipt of stores and 10% after successful installation and submission of PBG for the performance period. The security deposit so retained may be refunded on submission of Bank Guarantee towards Performance Guarantee valid for **1 year throughout comprehensive warranty period plus sixty days** drawn on any commercial bank.

No advance/mobilization support, is payable against supply of stores.

In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.

- 3) **Warranty/Guarantee & On-site skill support: One year** onsite comprehensive OEM warranty from the date of successful installation and commissioning. The firm has to guarantee supply of spares for a minimum period of 10 years if any.

- 4) **Earnest Money Deposit (EMD):** An amount of **Rs. 10,000/-** (Rupees Ten thousand only) in the form of Demand Draft drawn in favour of “**IIT Kharagpur**”, payable at Kharagpur.

**E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document super scribing EMD.** The validity of the EMD should be 3 (three) months from the date of issue. **Any bid without EMD will summarily be rejected. No interest is payable on EMD.** EMD will be refunded to the unsuccessful bidder after finalization of the tender process. No interest is payable on Security Deposit. Security Deposit shall be forfeited if the selected vendor after award of contract, fails to execute the same.

- 5) **Tender Fee:** No tender fees.

- 6) **Delivery of Stores:** The store items are to be supplied within 90 days from the date of receipt of the Purchase Order.

- 7) **Price:**

PRICE may be quoted either in INR or in foreign currency.

Where tenderer intends to quote in Indian Rupees (INR), the price should be quoted “FOR IIT Kharagpur” basis. The price should be all inclusive including GST.

IIT Kharagpur is registered DSIR, Govt. of India. GST rate for scientific goods is 5% as per the Notification No. 47/2017-Integrated Tax (Rate) dated 14th November, 2017. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.

- (i) Prices quoted should be for supply at I.I.T. Kharagpur.
  - (ii) Discount, if any, should be indicated separately/prominently.
  - (iii) Offers should normally be on fixed and firm price basis. ***Any clause making price variation will not be acceptable.***
- 8) Payments will be made as per rules after completion of the job and installation at IIT Kharagpur satisfactorily. Part payments and Advance payments are not possible. **Please note that any delay in delivery schedule may lead to a penalty @0.5% per week (max 5%) on total cost.**
- 9) **Bid:** Technical Bid and Price Bid should be submitted in two separate sealed envelopes quoting reference number on the top of the envelope. EMD should be enclosed with the Technical Bid documents, in separate sealed envelopes, stapled with the packet containing Technical Bid documents.
- 10) **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.
- 11) The addendum/corrigendum if any shall be published on Institute's Website i.e. [www.iitkgp.ac.in](http://www.iitkgp.ac.in) and on CPP Portal.
- 12) The Bidders are requested to submit the bids after issue of clarifications only considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any, in their bid.
- 13) **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/literature.
- 14) **Compliance List:** The proposal should be properly indexed and a compliance list against the technical specifications should be provided.
- 15) **Service:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 2 years of experience in the relevant field and must be in the payroll of the OEM/Vendor.
- 16) **Period of Validity:** Bids shall remain valid for acceptance for a **period of 90 days** from the date of opening of the price bid.
- 17) The benefit of any downward price revision (revision on account of budget/financial policy, tax revision, EPZ etc.) is to be given to IIT Kharagpur by the selected OEM/vendor.
- 18) **Past Performance of the Vendors will be judged at the time of Technical Evaluation.**
- 19) **The Institute does not bind** itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.

**20) Bidders should** enclose the following documents:

- a. Certificate of Registration / Trade License
- b. Attested copy of PAN card and GST registration papers
- c. Name and address of past satisfactory supplies or minimum three clients to whom such items/stores have been supplied should be mentioned in the technical bid.
- d. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.
- e. Signed copy of the tender document, with company seal, agreeing to the terms & conditions and declaration should be provided.
- f. **Proforma Price Bid (without mentioning the price rate) may be attached with technical bids**
- g. **Port or place of Shipment: Should be mentioned in the quotation.**
- h. **Purchase order to be placed on: Should be mentioned in the quotation with full address, email address, phone number.**

**21) All tenders are to** be handed over in a sealed box in the **Office of Department of Aerospace Engineering, IIT Kharagpur-721302**. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future. **For speed post, the Postal Address is “Office of the Department of Aerospace Engineering, IIT Kharagpur-721302”**

**22) Opening of Price Bids:** The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). **The date for opening of price bids will be notified separately.**

**23) Tenderer or his/her authorized representative (with proper authorization letter for attending opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.**

## **IMPORTANT**

I. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.

II. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.

III. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.

IV. For any query pertaining to this bid document, correspondence is to be addressed to the End user:

Prof. C S. Mistry  
Department of Aerospace Engineering,  
Indian Institute of Technology  
Kharagpur- 721302, West Bengal, India  
[Ph:+91-03222-283002]  
Email: - [csmistry@aero.iitkgp.ac.in](mailto:csmistry@aero.iitkgp.ac.in)

V. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.

**INSTRUCTIONS & SPECIAL CONDITIONS**

(To be returned by Tenderer along with the Tender duly signed)

1. **GENERAL:** Tenderer(s), who are Indian Agents of OEMs should furnish a clear declaration as follows: We declare that I am/we are Accredited Agents of the suppliers aboard. DGS&D enlistment certificate needs to be attached (applicable only for the Indian Agents)
2. **DEVIATION FROM SPECIFICATIONS:** It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will not be considered at all.
3. **TENDERERS SHALL SUBMIT ALONG WITH THEIR TENDER:**
  - (i) Complete address and tele links for contact persons of principals and Indian agent offices dealing with this purchase.
  - (ii) Name and full address of the OEM's Banker and their swift code.
  - (iii) Port of shipment and Country of origin is to be provided for each item.
  - (iv) Purchase order to be placed on: Should be mentioned in the quotation with full address
4. **PERFORMANCE BANK GUARANTEE:** On behalf of the Principal, Indian Agent must be able to provide Performance Bank Guarantee of the amount equivalent to the 10% of the cost of equipment from any Nationalized Bank. The Performance Bank Guarantee is required for the entire period of Warranty. Performance Bank Guarantee must remain valid for a period sixty days beyond the expiry of the Warranty Period. Bid security will be refunded back on submission of performance Security.
5. **GUARANTEE:** The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.
6. **JURISDICTION:** All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.
7. **ACKNOWLEDGMENT:** It is hereby acknowledged that we have gone through all the points listed under "Instructions & Special Conditions" outlined above, and those in the accompanying note on "Important Conditions", and we agree to abide by them under the penalty of permanent disqualification for Tender participation and for related penal actions for non-abidance of the conditions.

## TECHNICAL BID DOCUMENT

**FORMAT TO BE FILLED BY THE MANUFACTURERS/ INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPALS) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER FOR “FABRICATION OF ANNULAR CASCADE TUNNEL FACILITY” FOR IIT KHARAGPUR (DEPARTMENT OF AEROSPACE ENGINEERING)**

1. Name of the Tenderer :
2. Status of the Tenderer: (attach documents, if registered company/partnership/propriety ship)
3. Whether OEM/representing foreign principle :  
(attach copy of certificate/authorization)
4. Details of key top official/authorized official:  
(attach details)
5. Details of tie-ups for supply/services, if any:  
(Attach details, agreements, escalation matrix)
6. Income Tax returns of previous three assessment year (copy) :
7. Current list/address of clients where similar material has been supplied and successfully working:
8. Name of the vendor's three largest clients, to whom similar products and services were extended & amount of transaction/annual bills to such clients :
9. Income Tax Permanent A/c No.(attach copy):
10. GST registration No.(attach copy):
11. Details of EMD:

Certified that all above information are correct to the best of my/our information, knowledge and belief.

-----Dated  
Signature & Seal of the Authorized person of OEM/Vendor

**NOTE: This is to be submitted in a separate sealed envelope** super scribing “TECHNICAL BID”, Notice inviting Tender No. ***IIT/KGP/S&P/Aero/AT / Tunnel/2019-20*** **Date:09.09.2019** and name of the bidder. All technical documents like literature, catalogues, etc., are to be put in the same envelope.

Price bid of that company/firm only will be opened which do technically qualify, for further consideration. **Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.**

**ANNEXURE V**

**DECLARATION**

1. I, -----Son /Daughter of Shri -----  
-----Proprietor/Partner/CEO/MD/Director/Authorized  
Signatory of M/s.-----am competent to sign  
this declaration and execute this tender document.
2. I have carefully read and understood all the terms and conditions of the tender and  
hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and  
authentic to the best of my knowledge and belief.
4. I/we am/are well aware of the fact that furnishing of any false information/  
fabricated document would lead to rejection of my tender at any stage besides  
liabilities towards prosecution under appropriate law.
5. Each page of the tender document and papers submitted by my Company is  
authenticated, sealed and signed, and I take full responsibility for the entire  
documents submitted.

----- Signature of the Authorized

Person Date: ----- Full Name: -----

Place: ----- Company Seal: -----