



**National Centre For Combustion Research And Development**  
**Department of Aerospace Engineering**  
Indian Institute of Technology Madras  
Chennai – 600 036, India

Prof. S.R. Chakravarthy  
Project co ordinator

Ref: No. ASE/SRCH/ Pipeline/2013

DATE: 24.02. 2014

**DUE DATE: 12.03.2014**

Dear Sir,

1. Quotations are invited in duplicate for the various items shown below/overleaf/**enclosed list**.
2. The quotations duly sealed and super scribed on the envelope with reference no. and due date, should be addressed to the undersigned so as to reach him or before the due date stipulated above. Fax and Email quotation are not acceptable.
3. Quotations should be valid for 60 days from the due date and period of delivery required , warranty terms etc. should also be clearly indicated. A minimum of one year warranty is required from the date of commissioning.
4. Imported supplies should be quoted **for CIF Madras**.
5. Local firms to quote for free delivery to this Institute. If quoted for Ex-Godown delivery charges be indicated separately.
6. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples / machine/ equipment if called for should be submitted / demonstrated at free of charges, and collected back at the supplier's expenses. Compliancy certificate is to be provided indicating conformity to the technical specifications
7. Sales Tax/General Taxes/ED if applicable and such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. If this is not indicated no such claim will be admitted at any stage.The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to Non-Government Educational Institutions run with no profit motive for which a concession is given. Sales Tax Certificate will be issued at the time of final settlement of the bill.
8. Goods should be supplied carriage paid and insured.
9. Goods shall not be supplied without an official supply order.
10. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
11. In case of LC. Payment,90% of the payment will be made after completion of the supply. The balance 10% of the payment will be made after satisfactory installation of the equipment.
12. IIT Madras is exempt from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. IIT Madras will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges.
13. **Acceptance and Rejection:-** I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully

**HEAD OF THE DEPARTMENT**

Items required: Laying of Pipe line for compressed air as per specifications drawing enclosed.



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## **Laying of pipeline for compressed air for PC building, FTC building and BB Gasifier.**

Quotations are invited for laying of pipeline for conveying compressed air to the buildings mentioned below

- 1) Propulsion Compulsion building (PC bldg)  
This building consists of two floor
- 2) Fire test enclosure (FTC Building)
- 3) Bubbling Bed Gasifier set up
- 4) The circuit of pipelines consists of  $\phi 8''$ ,  $\phi 6''$  &  $\phi 4''$  pipes as per the sketch enclosed.  
The pipelines run 1) partially above the ground  
2) partially below the ground  
3) partially on the ground  
4) partially inside the building
- 5) The pipes shall be MS seamless of schedule 40 – Jindal Make
- 6) Ball valves (Shenco make) are to be provided as indicated in the sketch.
- 7) A schematic sketch of the pipeline layout is attached

### **APPROXIMATE QUANTITY OF MATERIAL REQUIRED FOR PIPELINE**

SL NO	DESCRIPTION	QTY/ LENGTH
1	NPS 8" SH 40 - PIPE	21 Meters
2	NPS 6" SH 40 - PIPE	30 Meters
3	NPS 4" SH 40 - PIPE	50 Meters
4	NPS 8" L- BOW JOINT	5 No's
5	NPS 4" L-BOW JOINT	5 No's
6	NPS 8" TO 6" L-BOW REDUCER	1 No's
7	NPS 6" TO 4" REDUCER "T"	2 No's
8	NPS 4" T JOINT	6 No's
9	NPS 4" FLANGE	10 No's
10	NPS 6" FLANGE	1 No's
11	NPS 6" BLIND FLANGE	1 No's
12	NPS 4" BLIND FLANGE	10 No's
13	NPS 4" BALL VALVE	3 No's

- 8) Wherever needed, masonry work has to be done
- 9) After erection of the work the entire pipeline has to be hydraulically tested at 15 bar
- 10) The prospective bidder can visit the site to evaluate nature and quantum of work on days from 24.02.2014 to 11.3.2014 between .9.00 am to 3.00pm on working days.
- 11)The supplier shall assemble and erect the facility at the chosen site at IITM
- 12)The drawings are uploaded in the institute website: <http://tenders.iitm.ac.in/>
- 13)For any technical clarification please contact P. John George. phone : 044 22575026
- 14)Email : [nccrdengr@pallava.iitm.ac.in](mailto:nccrdengr@pallava.iitm.ac.in)

