

	<p style="text-align: center;">INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036</p> <p style="text-align: center;">Telephone: [044] 2257 9798/9723 E-mail: tender@iimail.iitm.ac.in</p>	
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09.03.2020

Department of Aerospace, NCCRD Building

Corrigendum-1

Tender Reference no: ASE/2020/SRCH/GAS TURBINE


Name of the Item: HIGH PRESSURE TEST FACILITY TO TEST GAS-TURBINE COMBUSTORS

Corrigendum details: Extension of Bid Submission date & Additional Technical Specifications

The due date for the submission of bids has been extended to **18.03.2020 @ 5PM** & technical bid opening is **19.03.2020 @ 4PM**.

All other terms and conditions remain the same.

Tender Inviting Authority:


The Senior Managers
Project Purchase,
IC&SR Building, IIT Madras
Chennai 600036

Corrigendum- Addendum for High Pressure Test Facility to Test Gas-Turbine Combustors

1. The vendors should prepare the technical bid considering piping length, electrical and sensor cabling length, and other components/ fittings etc as per the detailed information obtained during the site visit and prebid meeting.
2. Overall input/ output connections and sensing and control elements details need to be considered based on the prebid meeting. We recommend accounting 10 % extra for AI/DI/AO/DO signal connections. Considering that the present work is an R&D Project, possibilities for future expansion of the control panel capabilities also need to be considered while preparing the bid.
3. All works need to be completed & tested as per our satisfaction, meeting the outlined requirements to receive the final payment.
4. Details of previous piping, instrumentation, and system integration work need to be submitted with relevant testimonials from leading organizations. Vendors will be assessed based on their previous experience in doing similar works.

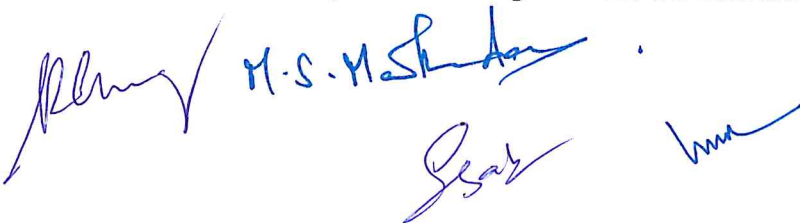
Air supply line:

1. In case, there is no single flow meter is available to cover the desired range 0.-2.5 Kg/s at 2% accuracy. Two flow meters can be connected in parallel with separate ball valves and NRV s at appropriate pipe lengths. Ball valves can be manually operated and a header arrangement should be provided to convert them to electrical controlled ball valves in the future.
2. Make for high temperature (650 C) valves: Virgo, micro finish, R.K.Control, Emerson, Velan, Fisher, L & T, Audco , Fluid line Valves (for control valves)

Pipe and bends Class:

1. 4" Schedule 80 **CS** pipe line from heater to combustor., air flow meter to the rig and ejector – 15 m length with 6 bends (WP – 12 bar, Temp 350 Deg.C)
2. 2 " Schedule 40 **CS** pipe line from main line to ejector– 5 ms with 2 bends. (WP – 12 bar, Temp 30 Deg.C)
3. 1 " Schedule 40 **CS** pipe line from main line to ejector bypass – 8 m with 5 bends. (WP – 12 bar, Temp 30 Deg.C)
4. 4" schedule 40 SS 310**S** pipe line from the High pressure exhaust valve to the chimney- 4 m with 2 bends (WP – 1 bar, Temp 600 Deg.C)
5. 10"Schedule 80 SS 310**S** pipeline from the rig to ejector – 3 m with 1 bends. (WP – 1 bar, Temp 600 Deg.C)

All the Pipes & Pipe lines fittings should be Seamless (With BV certified Mill TC)

Handwritten signatures in blue ink, including a large signature on the left, a signature in the center that appears to read 'M.S. M. S. M. S.', and two smaller signatures on the right.

