



Indian Institute of Technology Hyderabad
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Date: 14th Feb 2019

CORRIGENDUM – I

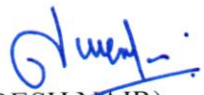
1. It is notified to all concerned parties that with reference to our Tender No. IITH/MSME/SUBHRADEEP/2018/T350 dated 05.02.2019 for supply of “Keyhole TIG Welding System with accessories for Automated Operation”. The following changes are being made w.r.t. the Tender: -

- (i) **Due Date & Time for Submission of Tenders is as below: -**

S.No.	Description	EXISTING	AMENDED AS
(i)	Last Date & Time for submission of Tender	19 Feb 2019 by 03:00 pm	28 Feb 2019 by 03:00 pm
(ii)	Date & Time of Tender Opening	19 Feb 2019 by 03:30 pm	28 Feb 2019 by 03:30 pm
(iii)	REVISED SPECIFICATIONS ATTACHED		

2. All other terms and conditions of the tender remain unchanged.

Yours faithfully,


(SURESH NAIR)
Assistant Registrar
IIT Hyderabad

Revised Technical Specifications
Keyhole TIG Welding System

<i>Technical Specifications:</i>		
Sl. No.	Feature	Requirements
1	Equipment description	TIG welding based system capable of joining flat work pieces of dimension 20-50 mm (width) x 50-80 mm (length) x 3-6 mm (thickness) in single pass operation without filler metals in keyhole welding mode.
2	Welding power source	Power source necessary to use TIG welding or its variants operating in keyhole mode for joining 3-6 mm plates in single pass operation
		Materials : Keyhole mode welding should be possible in nickel base alloys (Ni), alloys steels including stainless steels (SS), and titanium alloys (Ti).
		Output Current: DC with adequate high current needed for keyhole mode welding. Option should be available for non-keyhole mode welding if desired.
		Output voltage DC 15-40 V or better
		Control and Display: The system should have control system and display facility for the parameters like welding current (set and actual value), welding voltage (set and actual value), arc length, gas flow time, wire feed speed (when used) etc. Mention availability of remote control unit.
		Input power: AC 415V, 3-phase
3	Welding torch and wire feeder	Special TIG torch (including arc striking unit) capable of producing keyhole mode welding in 3-6 mm thick plates.
		Wire feeder with drive rolls for support 0.8/0.9, 1.0 and 1.2 mm wire diameter.
4	Torch holder and automated motion system	Torch holding fixture for positioning and movement of the torch.
		Fixture, clamping and work table for the welding of flat work pieces (20-50 mm x 50-100 mm x 3-6 mm) with trailing shields of compatible dimensions.
		Motion system with programmable relative motion between welding torch and work piece along at least one (x) axis or preferably more (y/z) directions.
5	Control	Control system to program the weld path and process parameters.
6	Chiller	Dedicated chiller unit to keep the system and accessories under the recommended maximum temperature.
7	Other accessories and consumables	Electrical cables, trays, gas regulators and connectors, torch consumables, compatible trailing shields for welding reactive metals (Ti) etc.
8	Documentation and manual	Hard and soft copies of manual(s) detailing installation procedures, routine operation and maintenance, troubleshooting guidelines, part list and replacement instructions.
9	Installation	The vendor shall commission the system at IITH premises and demonstrate all the claimed capabilities on samples of different materials and dimensions.
10	Warranty	Standard comprehensive warranty on equipment and parts for 1 year after installation.
11	Optional items	Additional recommended stock of consumables and extended comprehensive warranty for three years may be quoted by the vendor separately.



12	Additional points	<ul style="list-style-type: none">• The bidder must be OEM or representative of the foreign concern in India and should have ISO certification for quality standards• Provision for pre-dispatch inspection if required.• Provision for sample part to be welded with the specified tender requirements as a validation of the capabilities.• For imported items, price should be quoted on CIF Hyderabad including packing, transport, insurance costs.• The bidder shall have a minimum of FIVE Years of Continuous Experience in the supply and support of welding systems.
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Gurram