

Aryabhata Research Institute of Observational Sciences (ARIES)

**(An Autonomous Institute under Department of Science and Technology, Govt. Of India)
Manora peak, Nainital, Uttarakhand 263129 India**

Tel: +91-(5942)-232655/233727/233734/233735/235583

FAX: +91-(5942)-233439, Gram: astronomy

Website: <http://www.aries.res.in>

Tender Document FOR

Supply of Portable Digital TIG & MMAW Welding Equipment complete with:

- a) Earth Cable 5m with bracket & connector**
- b) Welding cable 20m with electrode holder
& Connector.**
- c) TIG torch**
- d) Carrying Belt**
- e) Argon regulator & its connecting hose.**
- f) Flow meter**
- g) Machine Trolley to carry welding machine
& argon cylinder.**

Tender Enquiry No:AO/1829/3-3(3)/11-12/welding Equipment

Issue of Tender document: 24 October 2011 at 900 hours

Last Date of Submission of Tender: 28 November 2011 at 1400 hours

This document has 11 pages including this cover page.

Tender Notice

The ARIES invites sealed offers from established Welding machine suppliers for supply of **Portable Digital TIG & MMAW Welding Equipment** at ARIES as per details given in the tender document . Tender document can be downloaded from ARIES, Nainital website <http://www.aries.res.in>.

Date of commencement of issue of Tender document	
From Website	: 24 October 2011 at 900 hours
Last date for submission of Tender	: 28 November 2011 at 1400 hours
Opening of Technical bid	: 28 November 2011 at 1530 hours
Opening of Financial bid	: 06 December 2011 at 1530 hours

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Eligibility Criteria:

1. Vendor should have reputed background and should be established in welding equipments business in India for at least ten years.
2. The vendor must quote specific model of equipment & add relevant information in the form of brochures, leaflets, manuals etc. to support our technical specifications.
3. Minimum one year comprehensive on site warranty should be offered by authorized vendor only in original letter head.
4. Vendor must comply with all the above mentioned criteria. Non-compliance of any of the criteria will entail rejection of the tender summarily. Photocopies of relevant documents / certificates should be submitted as proof in support of the claims made. ARIES reserves the right to verify / evaluate the claims made by the vendor independently.
5. Tender document can be downloaded from ARIES website <http://www.aries.res.in> and submit along with the Non-Refundable Tender Fee Rs.200+VAT(13.5%) in form of Demand Draft in favour of Director ARIES, Payble at Nainital.
6. All Tender should be accompanied by a bid-security of Rs. 12,000/= (Rs twelve thousand only) in the form of a Demand Draft in favour of Director, ARIES, payable at Nainital.

TERMS AND CONDITIONS

Scope of Work

ARIES proposes to purchase a Portable Digital TIG & MMAW Welding Equipment complete with:

- a) Earth Cable 5m with bracket & connector.
- b) Welding cable 20m with electrode holder & connector.
- c) TIG Torch.
- d) Carrying Belt.
- e) Argon Regulator & its Connecting Hose.
- f) Flow meter.
- g) Machine Trolley to carry welding machine & Argon Cylinder.

With capability to weld Mild Steel, Stainless Steel, Aluminium & its alloys as per technical specifications given in the Annexure – B. The successful vendor will take total responsibility for supply of all items with the machine. In either case service level agreement will be signed with the supplier.

Terms of execution of work

The vendor shall deliver the equipment at the ARIES site within 6 weeks from the date of receiving the intimation from the ARIES, failing which the ARIES reserves its right to levy liquidated damages as prescribed hereunder.

Two Part Bid

The Tender will be in two parts; Technical bid & Commercial bid. Both the parts must be submitted at the same time but **in separate sealed envelope**, clearly marked on the cover of envelope” **Technical bid for Welding Equipment & its Accessories"** and **"Commercial bid for Welding Equipment & its Accessories"**, enquiry No., date of opening, addressed to the ARIES .

Bid Security

Bid security of Rs. 12,000/= (Rs. twelve thousand only) in the form of a demand draft in favour of Director ARIES, payable at Nainital must be submitted along with the Technical bid.. This amount will be forfeited if the vendor refuses to accept purchase order or having accepted the purchase order, fails to carry out his obligations mentioned therein. **No interest will be payable on the Bid Security amount.**

Validity Period

The tender should remain valid for a period of at least 90 days from the date of opening of tender.

Technical Bid (TB)

The Technical Bid (TB) should be complete in all respects and contain all information asked for in this document. ***It should not contain any price information. However TB should confirm that all required rates have been quoted in Commercial Bid CB)***, without showing the actual amounts in the TB.

It is mandatory to submit the technical details in the prescribed pro-forma (Annexure-B) duly filled in, along with the tender . ARIES , at its discretion, may not evaluate a TB in case of non-submission or partial submission of technical details.

The TB must be submitted in an organised and structured manner. No brochures/leaflets etc., should be submitted in loose form.

The TB should comprise of following:

1. Specific Authorisation, if dealer is quoting in the tender
2. Technical Specifications complete with all the columns filled in (Annexure-B).
3. Unpriced version of bill of materials (Annexure-C).
4. Documentation (Product Brochures, leaflets, manuals etc.).
5. Availability of a centralized call centre facility from supplier.
6. Bid security of Rs. 12,000/= (Rs. Twelve thousand only) in the form of a demand draft in favour of Director, ARIES, payable at Nainital.

7. **One year** on site comprehensive warranty.

Commercial Bid (CB)

The Commercial Bid (CB) will give all relevant price information and will quote **prices only in Indian Rupees**. The CB should not contradict the TB in any manner. The CB should comprise of Commercial Version of Bill of Material as per Annexure-C. This must contain all price information.

Erasures or Alterations

Technical details must be completely filled up. The corrections or alterations, if any should be authenticated.

Price Composition

The Prices should be quoted on F.O.R ARIES, Manora Peak, Nainital basis only in Indian rupees and inclusive of following

1. Cost of the item.
2. All taxes, duties and levies.
3. Minimum one year comprehensive on site warranty covering all parts, service, and visits to the concerned offices of ARIES in Uttaranchal, if any. Warranty should be offered by supplier only in original letter head.
4. Transportation and Forwarding charges to respective sites, if applicable.
5. Insurance to cover from transit period till installation.

Prices which are not quoted as above will be summarily rejected.

Total cost of ownership for the items specifically mentioned in the bill of material will be taken for cost comparison.

No Price Variations

The commercial Bid shall be on 03rd December at 1530hrs at a fixed price basis. **No upward revision in the price would be considered on account of subsequent increases in, excise tax, sales tax, etc.** However, if there is any reduction on account of government levies/taxes, during the validity of tender, the same shall be passed on to the ARIES.

Opening of Bids and Evaluation Criteria

Technical Bids will be opened at ARIES. No separate intimation will be given in this regard to the vendors, for deputing their representatives.

Vendors will be evaluated on various parameters details of which are given in the annexure -A, B, C and D.

No Commitment to Accept Lowest or Any Tender

The ARIES shall be under no obligation to accept the lowest or any other tender received in response to this notice and shall be entitled to reject any or all tender without assigning any reason whatsoever.

Right to Alter Quantities

The ARIES will be free to either reduce or increase the quantity to be purchased on the same terms and conditions. The ARIES reserves the right to alter quantities.

Price Freezing

The price and configuration finalised should be valid for a period up to 12 months, subject to review at quarterly intervals for downward revision of price. The vendor should pass on the benefit of any reductions in the price in the interim period.

Inspection

As a part of evaluation criteria, the ARIES will inspect the welding equipment before placing the purchase order through its staff / consultant for authentication of the various technical parameters being claimed by the vendor. Inspection will be carried out by the ARIES through its staff / consultant at vendor's factory / site or at the ARIES's site. The vendor shall keep ready the hardware items for inspection and inform its readiness in advance. If the inspection is carried out at ARIES, the vendor should provide all assistance including manpower. There shall not be any additional charges for such inspection. However, the ARIES will have the discretion to recover the costs related to travel and stay of its staff/consultants if the item offered for inspection is not as per the requirement or the test conditions are not complied with. However, not allowing full cooperation in this regard will disqualify the vendor and his tender will be rejected summarily

Payment Terms

The terms of payment will be as follows:

1. No advance payment against purchase order.
2. 90% payment will be released after inspection and acceptance of Items normally within 30 days and 10% after submission of Performance Bank Guarantee of 10% of the total amount (including taxes) valid for two months beyond warranty period or else 10% of the amount will be released after two months beyond warranty.

Liquidated Damages

Notwithstanding the ARIES's right to cancel the order, 0.5% of the order value per week per system would be payable to the ARIES for every week's delay in the execution of this purchase order beyond the specified delivery/installation schedule subject to a maximum of 5% of the value of the systems ordered. ARIES reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by the ARIES to the firm. Part of week will be treated as a week for this purpose.

Order Cancellation

If the vendor fails to deliver the equipment within the stipulated time schedule or the extended date communicated by the ARIES, it will be a breach of contract and will result in forfeiture of bid security money along with cancellation of his tender.

The ARIES reserves its right to cancel the order in the event of delay in delivery / installation / commissioning of the items.

Guarantees

Vendor should guarantee that the items delivered to the ARIES are brand new. The vendor should also guarantee that all the equipment supplied by the vendor is licensed and legally obtained. The equipment should be delivered in proper packed condition & also insuring that all the items supplied are from OEM's which can be checked by ARIES at any point of time from OEM's.

Warranty

The tender must include comprehensive on-site one year warranty from the date of installation and commissioning of the equipment. Warranty should be from supplier only (Letter in this respect should be enclosed in technical bid). Failing which the bank guarantee may be forfeited.

Vendor shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and functioning of all equipment covered by the tender. Vendor must warrant all equipment, against any manufacturing defects during the warranty period. During the warranty period vendor shall maintain & replace all the defective good at the installed site, at no additional charge to the ARIES. Vendor should maintain all necessary spares for equipment for next five years after the warranty period & should inform ARIES in case of obsolescence or any up gradation in the equipment.

Training

Full fledged training of machine operation & maintenance must be provided by certified Service Engineer Of supplier to our welder/technician at ARIES site;after installation, at no extra cost. Vendor should supply welding electrode samples for different materials i.e. Mild Steel,Stainless Steel,Aluminium & its alloys (at least one packet each),to be used in the training period by the welder of ARIES.

Mode of acceptance

Tender received by only Post/Speed Post/Courier will only be accepted.

Note: Tenders should be submitted on or before the last date & time as indicated above. No tender shall be accepted/opened in case of receipt after due date and time of tender, irrespective of delay or loss of tender form due to postal services or any other reasons and ARIES shall not assume any responsibility.

Annexure – A

(Letter to the ARIES on the vendor's letterhead)

To
The Director
ARIES , Manora Peak
Nainital-263129

Dear Sir,

Sub: Tender for Welding Equipment.

With reference to the above Tender notice, having examined and understood the instructions, terms and conditions forming part of the Tender, we hereby enclose our tender for the supply of the equipment as detailed in your above referred Tender. We also submit required information in following format:

Parameter	Vendor's response
Specify name of OEM whose Portable Digital TIG & MMAW welding equipment is offered (enclose Specific authorization letter)	
Year of establishment for welding equipment business in India	

We further confirm that the tender is in conformity with the terms and conditions as mentioned in your above referred letter and enclosures.

We also confirm that the tender shall remain valid for ninety days from the date of the opening.

We also understand that the ARIES is not bound to accept the tender either in part or in full and that the ARIES has right to reject the tender in full or in part without assigning any reasons whatsoever.

We are enclosing a Demand Draft of Rs 12,000/- (Rs. Twelve thousand only) in favour of Director, ARIES payable at Nainital, towards bid security along with the commercial bid of this tender, details of the same are as under:

1. Demand Draft no. :
2. Date of Demand Draft :
3. Name of Issuing Bank :

Yours faithfully,

Authorised Signatories
(Name & Designation, seal of the firm)

Date:

**Technical Specifications of Portable Digital TIG & MMAW
Welding Equipment**

Sr. No.	Specification	Vendor's Response
1.	Mains Voltage (50-60 Hz): 230 V	
2.	Mains Voltage tolerance: -30 / +15 %	
3.	Mains Fuse Protection: (Slow-blow): 16A	
4.	Welding Current Range (TIG): 3-220 A	
5.	WELDING CURRENT RANGE (ELECTRODE) : 10-180 A	
6.	Weight : Below 20 Kg.	
7.	Dimensions : Length : 480- 500 mm Width : 175 200 mm Height : 380-400 mm	
8.	Energy saving Inverter based Technology Power Source for extremely low Power consumption, ie below 5KVA at 100% duty cycle.	
9.	Touch down as well as high frequency Ignition possible.	
10.	Lowest Possible Noise.	
11.	Fully Digital & Microprocessor controlled.	
12.	Reverse Polarity Ignition.	
13.	Anti-Stick Function.	
14.	Automatic Cap Shaping	
15.	Generator Compatible.	
16.	TIG pulsed.	
17.	Thermostat controlled fan.	
18.	Earth leakage monitoring.	
19.	Arc Force Control.	
20.	Separate digital displays for Welding current & Welding Voltage.	
21.	Digital display of Job Number, operating mode, crater fill current & overtemperature.	
22.	Suitable for welding electrodes upto 4.0 mm.	
23.	Automatic tungsten rod shaping to facilitate different jobs with same electrode	
24.	Code locking facility for protection against misuse & theft.	
25.	Protective Classification IP 23	
26.	Présence of spot welding mode	
27.	Wide memory for several data storage	
28.	Ergonomically designed torch with remote control on	

29.	torch handle for current etc.	
30.	Programmable tack welding parameter. CE mark & S safety mark.	

ANNEXURE - C
Commercial BID

BILL OF MATERIAL AND PRICE SCHEDULE

I - Items to be considered for total cost of ownership

Sr. No.	Items	Specification / Make	Price
1.	Portable Digital TIG & MMAW Welding equipment.		
2.	Earth cable 5m with bracket & connector.		
3.	Welding cable 20m with electrode holder & connector.		
4.	TIG torch		
5.	Carrying Belt		
6.	Argon regulator & its Connecting Hose		
7.	Flow meter		
8.	Machine Trolley to carry welding machine & Argon cylinder		

All accessories should be of Standard Reputed companies or ISI mark.

ANNEXURE - D

Evaluation Criteria

Parameters	Vendor's Response
Specific Authorization	
Security Amount submitted (mentioned details)	
Specific model of equipment & its supporting documents.	
Compliances as mentioned in Technical Specifications of Equipment	
One Year Comprehensive warranty from supplier (enclose certificate)	
Availability of a centralized call centre facility.	
Inspection (Give address of works)	

If any deviation, show separately.