

**STANDARD BIDDING DOCUMENTS FOR ICAR
FOR PURCHASE OF GOODS**

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CENTRAL SOIL & WATER CONSERVATION RESEARCH & TRAINING INSTITUTE
(Indian Council of Agricultural Research)
218-KAULAGARH ROAD, DEHRA DUN-248 195 (UTTRAKHAND)

INVITATION FOR BID

Sealed bids are invited by the Director, CSWCR&TI, 218-Kaulagarh Road, Dehra Dun for the purchase of equipments as mentioned below from the reputed firms/Authorized agent/Manufacturers only:

Item Sr.No.	Description of items	Quantity required	Earnest Money (Rupees)
1.	Automatic Absorption Spectro-photometer	1 No.	1,00,000
2.	Velocity Meter (Programmable Electromagnetic 2-D Measurement)	01	30,000
3.	Hydrological & Survey Equipments		
	a)Suspended solid analyzer with data logger and analysis system	02	20,000
	b) Portable digital flow meter	03	10,000
	c) Planimeter (Digital)	02	2,000
	d) Infiltrometer with data logger	01	2,000
	e) Stage Level Recorder (Mechanical)	06	5,000
	f) Stage Level Recorder (Sensor Type)	02	5,000

- Bid forms for each items at Sr. No. 1, 2 & 3 above can be purchased from the office of Administrative Officer (S & P), by paying non-refundable **Rs. 563/-** for each item (Sr.No. 1,2 & 3 above) in cash or by demand draft drawn in favour of ICAR Unit Account, CSWCRTI, Dehra Dun. In case the bid form is required through registered post, **an additional amount of Rs. 100/-** shall be charged extra. It may be noted that this Institute will not be responsible in any manner for any postal delay. Bid forms will be issued from **1.9.2009 to 14.9.2009 up to 15.00 hrs** on all working days. Bid forms may also be downloaded from Institute's Website **www.cswcrtiweb.org** for which an amount of Rs. 563/- may be sent through Demand Draft in favour of ICAR Unit Account, CSWCRTI, Dehra Dun alongwith the sealed bids. Bid forms complete in all respect are to be submitted in two bids format i.e. **Technical bid** and **price bid** separately under independent sealed envelopes. Both these sealed bids along with other documents are to be deposited in another sealed envelope. **Sealed bids should reach the office latest by 14.9.2009 at 15.00 hrs.** The sealed bids may be sent by Registered post /speed post/by hand addressed to Administrative Officer (S & P), Central Soil & Water Conservation Research & Training Institute, 218-Kaulagarh Road, Dehra Dun-248 195 (Uttarakhand) **on or before 14.09.2009 at 15.00 hours.**
- The technical bids will be opened by a duly constituted committee on **14.9.2009 at 15:30 hours** and the price bids will be opened on **17.9.2009 at 11:00 hours** in the presence of bidders or their authorized representative. The price should be quoted on FOR destination.
- Each bidder will have to deposit the bid security (EMD) amount as mentioned above along with the bid document in the shape of Demand Draft drawn in favour of ICAR Unit A/c, CSWCRTI, Dehradun. Bids received without bid security will not be considered. Late received bids will not be entertained.
- The Director, CSWCRTI, Dehradun reserves the right to reject/cancel/postpone/accept any or all the bids at his discretion without assigning any reason whatsoever.

Administrative Officer (S&P)

SECTION II - INSTRUCTION TO BIDDERS (I.T.B)

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**CENTRAL SOIL & WATER CONSERVATION RESEARCH & TRAINING INSTITUTE
218, KAULAGARH ROAD, DEHRA DUN (UTTRANCHAL) – (INDIA) – PIN CODE - 248 195**

**Tender Document
High Value Purchase
INSTRUCTIONS TO BIDDERS [ITB]**

Tender Form No. _____

A. INTRODUCTION

1. Source of funds

- 1.1 The expenditure to be incurred for this intended purchase will be met from the funds available with the purchaser named in the **Schedule of Requirements** hereinafter referred to as ‘the purchaser’

2. Eligible bidders

- 2.1 This invitation for bids is open to all suppliers, who fulfill the eligibility criteria as well as the qualification criteria, incorporated in this document.

3. Cost of bidding

- 3.1 The bidder shall bear all costs associated with the preparation and submission of its bid including samples, drawings, literatures etc. if any. The purchaser will in no case be responsible or liable any such cost, regardless of the conduct or outcome of the bidding process

B. THE BIDDING DOCUMENTS

4. Content of bidding documents

- 4.1 The goods required, bidding, procedures and contract terms are prescribed in the bidding documents. In addition to the invitation for Bids, the bidding documents include
- a. Instruction to Bidders (ITB)
 - b. General conditions of contract (GCC)
 - c. Schedule of requirements
 - d. Technical specification and quality control requirements
 - e. Questionnaire
 - f. Bid form and price schedules
 - g. Bank guarantee form for bid security
 - h. Manufacturer’s authorization form
 - i. Bank Guarantee Form for Performance Security
 - J Contract form

- 4.2 **In case of any contradiction between the stipulations made in ITB &GCC and Schedule of Requirements, the stipulations incorporated in the Schedule of Requirements will prevail over the corresponding stipulations contained in the ITB and / or GCC.**
- 4.3 The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in rejection of its bid.

5. Clarification of bidding documents

- 5.1 A prospective bidder requiring any clarification in connection with the bidding documents may notify the purchaser in writing or by email or fax at the purchaser's mailing address indicated in the **Schedule of Requirements**. The purchaser will respond in writing to any request for clarification of the bidding documents which it receives no later than 21 (twenty one) days prior to the deadline for submission of bids prescribed by the purchaser. The purchaser, at its discretion, may send the relevant text of this correspondence [without identifying the source of inquiry] to all the prospective bidders which have received the bidding documents.

6. Amendment of bidding documents

- 6.1 At any time prior to the deadline for submission of bids, the purchaser may for reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment
- 6.2 The amendment will be notified in writing or by E-mail or fax to all prospective bidders, which have received the bidding documents and will be binding on them
- 6.3 In order to provide the prospective bidders with reasonable time in which to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids and other allied time frame having linkage with that deadline.

C. PREPARATION OF BIDS

7. Language of bid

- 7.1 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser; shall be written in English language. Supporting documents and printed literature furnished by the bidder may be written in other languages, provided they are accompanied by an English translation of their relevant passages in which case, for the purpose of interpretation of the bid, the English translation shall govern.
- 7.2 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, may also be written in Hindi language, provided that the same is accompanied by an English translation in which case, for the purpose of interpretation of the bid, the English translation shall govern.

8. Document constituting the bid

- 8.1 The bid submitted by the bidder shall comprise of the following documents
- a. a bid form and a price schedule in accordance with ITB clauses 9, 10 and 11

- b. documentary evidence established in accordance with ITB clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- c. Documentary evidence established in accordance with ITB clause 14 that the goods and ancillary services to be supplied by the bidder conform to the bidding documents.
- d. Bid questionnaires (attached as Section-VI with the bidding documents) duly filled in.

Note: A bid, which does not fulfill any of the above requirements and / or gives evasive information/reply against any such requirement, shall be liable to declared unresponsive and summarily rejected.

9. Bid form

- 9.1 The Bidder shall indicate on the Price Schedule furnished in the bidding documents in section VII/1, indicating inter alia, for the goods to be supplied a brief description of the goods, their country of origin, quantity and prices.

10. Bid prices

- 10.1 The Bidder shall indicate on the Price schedule the unit price and total bid prices of the goods it proposes to supply under the Contract. To this end, the Bidders are allowed the option to submit the bids for any one or more schedule specified in the 'Schedule of Requirement' and to offer discounts for combined schedules. **However, Bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award.**

- 10.2 Prices indicated on the price schedule shall be entered separately in the following manner.

- 1. for goods offered from within India

- a. The price of the goods, quoted ex-factory, ex-showroom, ex-warehouse or off-the-shelf; as applicable, including customs; excise and any other duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory or on the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf.
- b. Any sales or other taxes/duties including excise duty, which will be payable on the goods in India if the contract is awarded.
- c. Charges for inland transportation, insurance and other local costs incidental to delivery of goods to their final destination. The final destination is specified in the Schedule of Requirements.
- d. The price of incidental services as and if listed in **Schedule of Requirements**.
- e. Any element of cost, taxes, duties, levies etc. not specifically indicated in the bid, shall not be paid by the purchaser.

- 2. for goods offered from abroad

- a. The price of goods shall be quoted CIF port of entry in India or CIP named place of destination in India as and if specified in the **Schedule of Requirements**. In quoting the prices, the bidder shall use ocean, transportation through Indian flag vessels of Indian origin or through vessels of shipping Conference lines in which India is a member country. Similarly, the bidder may obtain insurance services from any nationalized insurance company in India.

- b. The price of goods shall be quoted FOB port of shipment, as and if specified in the **Schedule of Requirements**.
 - c. Charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, which is specified in the Schedule of Requirements.
 - d. The price of incidental services as and if listed in the **Schedule of requirements**.
 - e. Any element of cost, taxes, duties, levies etc. not specifically indicated in the bid shall not be paid by the purchaser.
- 10.3 The terms FOB, CIF,CIP etc. shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
- 10.4 The bidder's separation of the price components in accordance with ITB clause 10.2 above will be solely for the purpose of facilitating the comparison of bids by the purchaser and will not in any way limit the purchaser's right to contract on any of the terms offered.
- 10.5 Prices-quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account, unless otherwise specified in the **Schedule of Requirements**. If the requirement is for a fixed price bid, a bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB clause 23.

11. Bid currencies

- 11.1 For domestic goods prices shall be quoted in Indian rupees only. Commission for Indian Agent, if payable shall also be quoted in Indian Rupees only in a manner as specified in ITB clause No.12.2. For imported goods prices shall be quoted either in Indian rupees or in the currency of the country of origin of goods. Bids where prices are quoted in any other way shall be treated as non –responsive and rejected.

12. Indian Agent

- 12.1 If a foreign bidder has engaged an agent in India in connection with its bid it will be required to give the following information in the bid
- i) The name and address of the Indian agent with their permanent income tax number.
 - ii) The details of the services the agent will render.
 - iii) The amount of remuneration for the agent, included in the FOB component of the bid price.
- 12.2 The agency commission shall be indicated in the space provided for in the price schedule and will be paid to the bidder's agent in Indian rupees using the telegraphic transfer buying rate of exchange ruling on the date of award of contract and shall not be subject to any further exchange variation.

13. Documents establishing bidder's eligibility and qualifications

- 13.1 Pursuant to ITB clause 8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.
- 13.2 The documentary evidence of the bidder's qualifications to perform the contract if its bid is accepted, shall establish to the purchaser's satisfaction.

- a. That in the case of a bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized (as per authorization form in section VII/3) by the goods manufacturer or producer to supply the goods in India.
- b. That the bidder has financial, technical and production capability necessary to perform the contract and also it meets the criteria indicated in the **Schedule of Requirements**.
- c. That in the case of a bidder not doing business in India, the bidder is or will be (if successful) represented by an agent in India equipped and able to carry out the supplier's maintenance, repair and spare parts stocking obligations prescribed by the conditions of the contract and /or technical specifications.
- d. That such an agent [with reference to sub-para c above] is enlisted with Directorate of General of Supplies & Disposals, Jeevan Tara Building, Sansad Marg, New Delhi -110 001 under the scheme of Ministry of Finance, Govt. of India for compulsory enlistment of Indian Agents.
- e. If an agent in its bid submits quotations on behalf of more than one manufacturer, it is necessary that each such bid is accompanied by a separate bid form and bid security for each such quotation and authorization from the respective manufacturer (as per authorization form in section VII/3). Otherwise all such quotations will be rejected as non-responsive.

14. Documents establishing goods eligibility and conformity to bidding document

- 14.1 Pursuant to clause 8 the bidder shall furnish, as part of its bid documents establishing the eligibility and conformity to the bidding documents of all goods and services which the bidder proposes to supply under the contract.
- 14.2 The documentary evidence for eligibility of the goods and services shall consist of a statement in the price schedule about the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, data etc. and shall consists of :
 - a. A detailed description of the goods essential technical and performance characteristics
 - b. A list giving full particulars, including available sources and current prices, of all spare parts special tools, etc. necessary for the proper and continuing functioning of the goods for a period of two years (or more if specified in the schedule) following commencement of the use of the goods by the purchase; and
 - c. A clause-by-clause commentary on the purchaser's Technical Specifications' demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical specifications
- 14.4 For the purposes of the commentary to be furnished to ITB clause 14.3 (c) above, the bidder shall note that the standards of workmanship, material and equipment and references to brand names or catalogue numbers, if any designated by the purchaser in its 'Technical Specifications' are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names, and / or catalogue numbers in its bid provided that it demonstrate to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the Technical Specifications.

15. Bid security

- 15.1 Pursuant to clause 8, the bidder shall furnish as part of its bid, a bid security of an amount specified in the **Schedule of Requirements**.

- 15.2 The bid security is required to protect the purchaser against risk of bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause 15.7
- 15.3 The bid security shall be denominated in the currency of the bid or in Indian Rupees and shall be in one of the following forms.
- a. Demand draft on a scheduled commercial bank in India drawn in favour of the ICAR Unit Account of the purchase organization and payable at a place as indicated by the purchaser in the **Schedule of Requirements**.
 - b. A bank guarantee issued by a scheduled commercial bank in India or a bank abroad duly confirmed by a scheduled commercial bank in India in the form provided in the bidding documents under section VII/2 and valid for 45 days beyond the validity of the bid.
- 15.4 Any bid from a bidder not secured in accordance with ITB clauses 15.1 and 15.3 will be summarily rejected by the purchaser as non-responsive, pursuant to ITB clause 24.
- 15.5 Unsuccessful bidders bid security will be discharged/returned as promptly as possible after the expiration of the period of bid validity prescribed by the purchaser, pursuant to ITB clause 16, but, barring any unforeseen circumstances, not later than 45 days of the award of contract.
- 15.6 The successful bidder's bid security will be discharged/returned upon the bidder, signing and accepting the contract pursuant to ITB clause 33 and furnishing the performance security pursuant to ITB clause 34.
- 15.7 The bid security may forfeited;
- a. If a bidder:
 - i. Withdraws its bid or impairs or derogates from the bid in any respect during the period of bid validity specified by the bidder on the bid form; or
 - ii. Does not accept the correction of errors pursuant to ITB clause 24.2.
 - b. In the case of successful bidder, if the bidder fails:
 - i. To accept and sign the contract in accordance with ITB clause 33; or
 - ii. To furnish performance security in accordance with ITB clause 34

16. Period of validity of bids

- 16.1 Bids shall remain valid for acceptance for 90 (ninety) days after the date of bid submission prescribed by the purchaser, pursuant to ITB clause 19. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.
- 16.2 In exceptional circumstances, the purchaser may solicit the bidder's consent to an extension of the period of bid validity up to a specified period. The request and the response their to shall be made in writing (or by facsimile or cable or telex, which will be followed by a signed confirmatory copy simultaneously).The bid security provided under ITB clause 15 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security. However, a bidder agreeing to the request will not be required nor permitted to modify its bid.

16.3 If the date up to which the bid is to remain valid happens to be a closed holiday for the purchaser, the bid shall automatically remain valid up to the next working day of that organization.

17. Format and signing of bid

17.1 The bidder shall prepare two copies of the bid, clearly making them “Original Bid” and “Duplicate copy of Bid” respectively. In the event of any discrepancy between them, the original shall govern.

17.2 The original and the copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or person duly authorized to bind the bidder to the contract. All pages of the bid, except for un-amended printed literature shall be initiated by the person or persons signing the bid.

17.3 Any interlineations, erasures or overwriting in the bid shall be valid only if they are initiated by the person or persons signing the bid.

17.4 The front page of the bidding documents, containing the signature with date of the official (or the purchase organization) selling/dispatching the documents and the seal of that office must be returned in original by the bidder along with the original copy of the bid, **failing which the bid is liable to be ignored.**

D. SUBMISSION OF BIDS

18. Sealing and marking of bids

18.1 The bidder shall seal the original and the duplicate copy of the bid in separate envelopes, duly marking the envelopes as “Original” and “Duplicate” respectively. These envelopes shall then be sealed in an outer envelope (In case more than two copies are required as per specific stipulation in the **schedule of requirements**, the copies of the bids shall be marked accordingly, like “Original”, “Duplicate”, “Triplicate” and so on. Each copy of the bid shall be sealed in a separate envelope and these envelopes shall then be sealed in an outer envelope).

18.2 The inner and outer envelopes shall be :

- a. addressed to the purchaser at the address given in the **Schedule of Requirements**.
- b. bear the invitation for bids (IFB) number and the words **“DO NOT OPEN BEFORE 15:30 hrs on 14.9.2009.**

18.3 Each inner envelope shall indicate the name and address of the bidder enable the bid to be returned unopened in case it is declared “late” or if the invitation of bids (IFB) is cancelled.

18.4 If the outer envelope is not sealed and marked as required by ITB clauses premature opening.

18.5 Bids sent by Telegram, Telex cable or facsimile are not acceptable and will be rejected.

19 Deadline for submission of bids

19.1 Bids must be received by the purchaser at the address specified under ITB clause 18.2 not later than the time and date specified in the **Schedule of Requirements** and the purchaser will provide a receipt (inter alia containing time and date of receipt) for the same, if that

specified date happens to be a closed holiday for the purchaser, the bids will be received up to the appointed time on the next working day. If the **Schedule of Requirements** provides for receipt of bids through “tender box” the bids shall be submitted accordingly as per the instruction given in the **Schedule of Requirements**.

- 19.2 The purchaser may at its discretion extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB clause 6, in which case all rights and obligations of the purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late bids

- 20.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, pursuant to ITB clause 19, will be rejected and / or returned unsigned to the bidder.

21. Modification and withdrawal of bids

- 21.1 The bidder may modify or withdraw its bid after submitting the same provided that written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission of bids.
- 21.2 The bidder’s modification or withdrawal notice shall be prepared, sealed, marked and despatched in accordance with the provisions of ITB clause 18, A withdrawal notice may also be sent by telex or cable or facsimile, but the same must be followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.
- 21.3 No bid may be modified subsequent to the deadline for submission of bids.
- 21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in the bid form. Withdrawal of a bid during this interval may result in forfeiture of the Bidder’s bid security pursuant to ITB clause 15.7.

E. BID OPENING AND BID EVALUATION

22. Opening of bids by purchaser

- 22.1 The purchaser will open the bids in the presence of bidders representatives, who choose to attend at the time, date and the place specified in the **Schedule of Requirements**.

If the specified date of bid opening is declared a holiday for the purchaser, the bids shall be opened at the appointed time and location on the next working day.

- 22.2 The representative of a bidder who intends to attend the bid opening, shall bring with him/her a letter of authority from the bidder on the bidder’s letter head, duly authorizing him/her to attend the bid opening. In the absence of such a letter of authority, the representative(s) will not be allowed to enter and attend the bid opening. The bidders representatives, who attend the bid opening, shall sign a register (which will be provided by the purchaser) evidencing their attendance.
- 22.3 The bidder’s name, technical specifications of the goods offered bid prices, discounts, the presence or absence of the requisite bid security and such other details as the purchaser, at its discretion, may consider appropriate will be announced at the bid opening.
- 22.4 The purchaser will prepare appropriate minutes of the bid opening for its official record.

23. Clarification of bids

- 23.1 During scrutiny and evaluation of bids, the purchaser may, at the discretion, ask a bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

24. Preliminary examination of bids-unresponsive, substantially responsive and responsive bids

- 24.1 The purchaser will examine the bids to determine whether they are complete, whether the required bid validity is available, whether any computational errors have been made, whether required bid security has been furnished, whether the documents have been properly signed, and whether the bids are generally in order while examining the bides, the purchaser will also keep in view the requirements as per ITB clause 8.

- 24.2 Arithmetical errors, if any, in a bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between the words and figures, the amount in words shall prevail. If the supplier does not accept the correction of such errors, its bid will be rejected.

- 24.3 Prior to the detailed evaluation pursuant to ITB clause 26, the purchaser will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one which conforms to all the requirements and terms & conditions of the bidding documents, including the specification and technical parameters of the goods as projected in the bidding document, without material deviations. Deviations from or objections or reservations to the bidding documents critical provisions, such as those concerning bid validity, technical specification, performance security, warranty obligations, Force Majeure, taxes & duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent without proper authorization from the manufacturer as per ITB clause 13.2(a) shall be treated as non responsive.

The purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.4 The purchaser may waive any minor infirmity, non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 24.5 The conclusion drawn by the purchaser as to the substantial responsiveness or otherwise of a bid or consideration of a minor infirmity of non conformity or irregularity in a bid is final.
- 24.6 If a bid is determined as not substantially responsive, it will be rejected by correction of the non-conformity.

25. Conversion to single currency

- 25.1 To facilitate evaluation and comparison of bids, the purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable, to Indian rupees at the BC selling market rate of exchange established by the State Bank of India for similar transactions as on the date of bid opening.

26. Evaluation and comparison of bids

- 26.1 The purchaser will evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB clause 24 **for each schedule separately**. The bid for a schedule will not be considered if the complete ITB clause 10, bidders are allowed the option to bid for any one or more schedule and to offer discounts for combined schedules. These discounts will be taken into account in the evaluation of the bids so as to determine the bid or combination of bids offering the lowest evaluated cost of the purchaser in deciding award(s) for each schedule.
- 26.2 The comparison shall be on CIP destination basis, duly delivered and commissioned (as the case may be) at the destination.
- 26.3 The purchaser's evaluation of a bid will include and take into account in addition to bid price and price of the incidental services.
- a. In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty and other similar duties, which will be payable on the goods if a contract is awarded to the bidder and
 - b. In the case of goods of foreign origin offered from abroad, customs duties and other similar import duties/taxes, which will be payable on the goods if contract is awarded to the bidder.
- 26.4 The purchaser's evaluation of bid will also take into account the following factors in the manner and to the extent specified in the **Schedule of Requirements** and amplified in ITB clause 26.5.
- a. Cost of inland transportation, insurance and other costs within India incidental to delivery of the goods to their final destination as stipulated in the Schedule of Requirements
 - b. Delivery schedule offered in the bid
 - c. The cost of components spare parts and service
 - d. The availability of spare parts and after sale service in India for the goods offered in the bid
 - e. The projected operating and maintenance cost during the life of the equipment
 - f. Specific additional criteria.
- 26.5 Pursuant to clause 26.4 following evaluation methods will be followed
- a. Inland transportation, insurance and incidentals

Bidder shall quote separately for inland transportation, insurance and other incidentals for delivery of goods to the required destination as already indicated in the **Schedule of Requirements**. These costs incurred in India, shall be quoted in Indian currency. Such costs will be added by the purchaser to the EXW/CIF/CIP bid price.
 - b. Delivery schedule

The purchaser requires that the goods mentioned in the Schedule of Requirements shall be delivered at the destination within the time schedule specified therein. As and if necessary, the estimated time of arrival of goods from ex-works/port of entry to the destination will be calculated by the purchaser for each bid after allowing for reasonable transportation time based on the published tariff of Railways, appropriate Road Transport Agencies etc. Bids offering deliveries (as worked out on above lines), which are later than the specified delivery but within the allowable range (As specified in the **Schedule of Requirements**) will be adjusted during the evaluation by adding a factor equal to the percentage specified in the

Schedule of Requirements, to the EXW/CIF/CIP price per week of variation from the specified delivery schedule.

- c. Cost of components and spare parts.
 - i. The list of items and quantities of major assemblies, components and selected spare parts, likely to be required during the initial period of operation as specified in the **Schedule of Requirements** is annexed to the Technical Specification. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price

OR

- ii. The purchaser will draw up a list of high usage and high value items of components and spare parts, along with the estimated quantities of usage in the initial period of operation as indicated in the **Schedule of Requirements**. The total cost of these items and quantities will be computed from the corresponding unit prices quoted by the bidder and added to the bid price.

OR

- iii. The purchaser will estimate the cost of spare parts usage in the initial period of operation specified in the **Schedule of Requirements**, based on the information furnished by each bidder purchaser in similar situations. Such costs shall be added in the bid price for evaluation.
- d. Availability of spare parts and after sales service facilities in India

The cost of the purchaser of establishing the required service facilities and parts inventories, as outlined in the **Schedule of Requirements** of elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

- e. The projected operating and maintenance cost during the life of the equipment.

These costs, which form a major portion of the life cycle cost of the equipment, will be evaluated in accordance with the criteria specified in the **Schedule of Requirements** and/or in the Technical specifications.

- f. Specific additional criteria

Other specific additional criteria to be considered in the bid evaluation and the corresponding evaluation method shall be incorporated in the **Schedule of Requirements** and in the Technical Specifications.

27. Bidder's capability to perform the contract

- 27.1 The purchaser will determine to its satisfaction whether the bidder, which is selected as having submitted the lowest evaluated responsive bid, is qualified and prima facie capable to perform the contract satisfactorily

- 27.2 The determination will take into account the bidder's financial, technical, and production capabilities for fulfilling all the requirements of the purchaser as specified in the bidding documents. The exercise will be based up on the examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB clauses 2 and 13, as well as such other allied information as the purchaser deems necessary and appropriate.

- 27.3 An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the purchaser will proceed to the next lowest evaluated bid to make a similar determination of the bidder's capabilities to perform satisfactorily.

28. Purchaser's right to vary quantities at the time of award

- 28.1 The purchaser reserves the right at the time of awarding the contract to increase or decrease by up to 25% the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

29. Contacting the purchaser

- 29.1 From the time of the bid opening to the time of awarding the contract if a bidder wishes to contact the purchaser on any matter related to the bid, it should do so in writing.
- 29.2 Any effort by a bidder to influence the purchaser in the purchaser's decision on bid evaluation, bid comparison or contract award shall result in the rejection of the bidder's bid, besides other suitable administrative actions against the bidder as deemed fit by the purchaser.

F. AWARD OF CONTRACT

30. Award criteria

- 30.1 Subject to ITB clause 28, the purchaser will award the contract to the successful bidder whose bid has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified and prima facie capable to perform the contract satisfactorily.

31. Purchaser's right to accept any bid and to reject any or all bids

- 31.1 The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability whatsoever, to the affected bidder or bidders.

32. Notification of award

- 32.1 Before the expiry of the period of bid validity, the purchaser will notify the successful bidder in writing, by registered letter or by E-mail / fax/ telegrams to be confirmed in writing by registered letter, that its bid has been accepted. The schedule(s) of requirement and the corresponding quantity of the item(s) ordered which have been accepted will inter alia be mentioned in the notification.
- 32.2 The notification of award will constitute the formation of the contract
- 32.3 Upon the successful bidder's furnishing the performance security, pursuant to ITB clause 34 the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security pursuant to ITB clause 15.

33. Signing of contract

- 33.1 At the same time as purchaser notifies the successful bidder that its bid has been accepted, the purchaser will send to the bidder by registered post or speed post, the contract form provided in the bidding documents, incorporating all agreements between the parties.

- 33.2 Within twenty-one (21) days of issue of the contract form by the purchaser, the successful bidder shall sign and date the contract and return it to the purchaser by registered post or speed post.

34. Performance security

- 34.1 Within twenty one (21) days of the issue of notification of award by the purchaser, the successful bidder shall furnish the performance security in accordance with and as per the instructions incorporated in the general conditions of contract with regard to performance security.
- 34.2 Failure of the successful bidder to comply with the requirement of clause 33 or clause 34 shall constitute sufficient grounds for annulment of the award and forfeiture of the bid security, in which event the purchaser may make the award to the next lowest evaluated bidder or call for new bids.

**SECTION –III
GENERAL CONDITIONS OF CONTRACT [GCC]**

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GENERAL CONDITIONS OF CONTRACT [GCC]

1. Definitions

1.1 In this contract the following terms shall be interpreted as indicated

- a. "IFB" means invitation for Bids.
- b. "ITB" means Instruction to Bidders
- c. "GCC" means General Conditions of Contract
- d. "RC" means Rate contract
- e. "Contract" means a legal agreement entered into between the purchaser and the supplier, as recorded in the agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f. "Contract price" means the price payable to the supplier under a contract for the full and proper performance of its contractual obligations.
- g. "Goods" means all the items, materials, equipment and /or machinery, which the supplier is required to supply to the purchaser in terms of a contract.
- h. "Service" means the services ancillary to the supply of the goods, such as transportation and insurance and any other incidental services such as installation, commissioning, provision of technical assistance, training and other such obligations of the supplier covered under a contract.
- i. "Purchaser" means the buyer named in a bidding document and in the corresponding contract, purchasing the goods ordered and includes its successors and /or assignees.
- j. "Consignee" means the individual or body to whom the contracted goods are required to be delivered as per the terms and the conditions incorporated in a contract.
- k. "Supplier" means the individual or firm supplying the goods under a contract and includes its successor and/assignees.
- l. "Day" means calendar day of the Gregorian Calendar.
- m. "Month" means calendar month of the Gregorian Calendar.

2. Application

2.1 These general conditions of contract (as contained in this section) shall apply to the extent they are not superseded by provisions in other parts of the contract

3. Country of origin

3.1 All goods and services supplied under the contract shall have their origin in India or in the countries, with which the government of India has trade relations.

3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing and substantial or major assembling of components a commercially recognized new product results that is substantially different in basic characteristic or in purpose or utility from its components.

3.3 The origin of goods and services is distinct from the nationality of the supplier

4. Standards

4.1 The goods supplied under this contract shall conform to the standards mentioned in the 'Technical Specifications' and when no applicable standard is mentioned, to the latest authoritative standards as applicable to the goods' country of origin.

5. Use of contract documents and information

- 5.1 The supplier shall not without the purchaser's prior written consent, disclose the contract or any provision thereof or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith to any person other than a person employed by the supplier in the performance of the contract. Also, disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purposes of such performance.
- 5.2 The supplier shall not without the purchaser's prior written consent, make use of any document or information enumerated in GCC sub-clause 5.1 except for the purposes of performing the contract.
- 5.3 Every document other than the contract itself, mentioned in GCC sub clause 5.1 shall remain the property of the purchaser and shall be returned (in all copies) to the purchaser on completion of the supplier's performance under the contract, if so required by the purchaser.

6. Patent rights

The supplier shall at all times identify the purchaser, free of cost, against all third party claims of infringement of patent, trade mark or industrial design rights arising from use of the goods or any part thereof in India.

7. Performance security

- 7.1 Within 21 (twenty one) days after the issue of notification of award by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount of 10% (ten per cent) of the contract value, valid upto 60 (sixty) days after the date of completion of all contractual obligations by the supplier including the warranty obligations.
- 7.2 In the event of any correction of defects or a replacement of defective material during the warranty period the warranty for the corrected/replaced material shall be extended to a further period of twelve months from the date of the correction/replacement and the Performance Security for the proportionate value (which will be determined by the purchaser in consultation with the supplier) shall be extended by 60 (sixty) days over and above the extended warranty period.
- 7.3 In the event of any contract amendment the supplier shall, within 21 (twenty one) days of issue of such amendment furnish the necessary amendment to the performance security, rendering the same valid in all respects in terms of the contract as amended.
- 7.4 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.
- 7.5 The performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms.
 - a. Cash in Indian currency
 - b. Demand Draft on any scheduled commercial bank in India, to be drawn in favour of the purchaser as indicated in the Schedule of Requirements.
 - c. Bank Guarantee issued by a scheduled commercial bank in India, in the prescribed form as provided in section VII/4 of this bidding document.

- 7.6 Subject to GCC sub-clause 7.4 above, the performance security will be discharged by the purchaser and returned to the supplier on completion of the supplier's contractual obligations including the warranty obligations under the contract.

8. Inspection and tests

- 8.1 The purchaser and/or its nominated representative(s) shall have the right to inspect and /or to test the goods to confirm their conformity to the contract specification and other technical details incorporated in the contract at no extra cost to the purchaser. **The Schedule of Requirements** and the Technical specification incorporated in the bidding document, shall specify what inspections and tests the purchaser requires and where and how they are to be conducted. The purchaser shall notify in advance the supplier in writing of the identify of any representative(s) for this purpose.
- 8.2 The inspections and tests may be conducted on the premises of the supplier or its subcontractor(s), at the point of delivery and /or at the goods final destination. If conducted on the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data shall be furnished by the supplier to the inspectors at no charge to the purchaser.
- 8.3 Should any inspected or tested goods fail to conform to the required specifications and standards, the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards as required free of cost to the purchaser and resubmit the same to the purchaser for conducting the inspections and tests again.
- 8.4 Where the contract stipulates pre-despatch inspection by the purchaser's nominated inspecting agency, the supplier shall put up the goods for inspection to the inspecting agency well ahead of time so that the inspecting agency is able to complete the inspection within the stipulated delivery period. If the goods are tendered for inspection at the last moment without providing reasonable time to the inspection agency for completing the inspection, the inspecting agency may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the items have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms and conditions of the contract.
- 8.5 The purchaser's right to inspect test and where necessary reject the goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or its representative prior to the despatch of the goods from the country of origin or from the supplier's premises.
- 8.6 Nothing in GCC clause 8 shall, in any way, release the supplier from any warranty or other obligations under the contract.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during their transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation rough handling and exposure to extreme temperature humid weather and precipitation during transit and open storage. The sizes and weights of the packing cases shall also taken into consideration, where applicable the available inland mode(s) of transport in India the remoteness of the goods final destination and the absence of heavy handling facilities at all points in transit. Further,

limitations and /or mandatory instructions if any in the weights volumes and sizes of the packages shall also be taken care of by the supplier.

9.2 The packing mark and documentation within and outside the packages shall comply strictly with such special requirements if any as shall be expressly provided for in the contract, including additional requirements, if any specified in the **Schedule of Requirements** and any subsequent instructions given by the purchaser.

9.3 Packing instructions

The supplier will be required to make separate packages for each consignee named in the contract. Each package will be marked by the supplier at its own expense, on three sides with indelible ink/paint, with the following details.

- a. Contract no. and date
- b. Name and address of the consignee
- c. Name and address of the supplier
- d. Brief description of goods
- e. Gross weight and outer dimension of the package
- f. Country of origin of goods
- g. Packing list reference no. and
- h. Any other requirement relevant to the contract

10. Delivery of goods

10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified by the purchaser in the notification of award and in the contract.

10.2 For the purposes of the contract, “FOB”, “CIF”, “CIP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them in the current edition of “INCOTERMS” which are international commercial shipping terms, published by International Chamber of Commerce, Paris, France.

11. Transportation

11.1 Where the supplier is required under the contract to deliver the goods F.O.B. transportation of the goods, up to and including the point of putting the goods on board the vessel at the specified port of loading, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

11.2 Where the supplier is required under the contract to deliver the goods C.I.F. or C.I.P. transportation of the goods to the port of destination or such other specified place of destination in India as shall be mentioned in the contract shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

11.3 Where the supplier is required under the contract to deliver the goods CIF or CIP within India, the supplier shall arrange the shipment by Indian flag vessels or vessels belonging to Conference Lines in which India is a member. Where the supplier is required under the contract to deliver the goods F.O.B and also to arrange on behalf and at the expense of the purchaser for ocean transportation on Indian flag vessels or vessels of conference lines in which India is a member country, the supplier may arrange for such transportation on alternative carriers also if the Indian flag vessels or Conference Line vessels are not available to transport the goods within the time frame specified in the contract. However, before arranging such alternative transportation the supplier shall obtain prior concurrence of the purchaser for the same.

11.4 The supplier shall not arrange part-shipments and/or transshipment without the prior written consent of the purchaser.

11.5 In case the supplier violates any of the aforementioned instructions the supplier shall be liable for all consequences (including financial loss) that the purchaser may face due to such violations.

12. Insurance

12.1 The goods supplied under the contract, shall be fully insured in a freely convertible currency against loss or damage incidental to manufacturer or acquisition, transportation, storage and delivery as indicated below in this clause (viz. GCC clause 12).

12.2 Where delivery of the goods is required by the purchaser on C.I.F. or C.I.P. basis the supplier shall arrange and pay for the cargo insurance, naming the purchaser as the beneficiary. Where delivery is on F.O.B. basis, the insurance shall be the responsibility of the purchaser.

12.3 In the case of a contract on C.I.F. or C.I.P. basis, the insurance shall be for an amount equal to 110% (one hundred and ten per cent) of the CIF or CIP value of the goods from "warehouse to warehouse" (final destination) on "all risks" basis including war risks and strikes.

13. Distribution of despatch documents

13.1 The shipping and other documents as well as despatch details to be furnished by the supplier to the purchaser and/ or to the purchaser's nominated authorities to enable the purchaser and/or its nominated authorities to clear and/or accept the goods will depend on the mode of dispatch of the goods and the terms of delivery, as specified in the **Schedule of Requirements** and in the contract and subject to the same, the instructions in this regard will be as indicated below:-

a. For good supplied from abroad:

Within 24 hours of shipment, the supplier shall notify the purchaser and its nominated authorities (as specified in the contract) and the insurance company by cable or telex or fax, the full details of the shipment including contract number, description of goods quantity, the vessel, the bill of lading number and date/airway bill number and date port of loading date shipment, port of discharge, expected date of arrival at the port of entry etc. Further, the supplier shall also immediately despatch by registered air-mail the specified number of copies of the following documents to the above authorities.

- i. Supplier's invoice showing contract number, description of goods, quantity, unit price and total amount
- ii. Original and copies of the negotiable, clean, on board bill of lading marked freight to pay and copies of non-negotiable bill of lading.
- iii. Copies of packing list, identifying the contents of each package
- iv. Insurance certificate
- v. Manufacture's supplier's warranty certificate
- vi. Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency (if so specified) and the supplier's factory inspection report and
- vii. Certificate of origin

The above documents shall be received by the purchaser and other authorities mentioned above at least one week before the arrival of goods at the port or place of arrival and if not received, the supplier will be responsible for any consequent expenses.

b. For goods supplied from within India

Within 24 hours of despatch of the goods, the supplier shall notify the complete despatch details to the purchaser and /or the purchaser's nominated authorities (as specified in the contract) and the insurance company. The supplier shall also mail the specified number of copies of the following documents to them.

- i. The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount.
- ii. Railway receipt or delivery note.
- iii. Packing list identifying contents of each package.
- iv. Insurance certificate.
- v. Manufacturer's/Supplier's warranty certificate.
- vi. Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency (is so specified) and the supplier's factory inspection report and
- vii. Certificate of origin.

The purchaser shall receive the documents at least one week before the arrival of the goods (except where it is handed over to the consignee with all the documents) and if not received the supplier will be responsible for any consequent expenses.

The documents to be provided by the supplier for claiming payment are specified in GCC clause 17 ("Payment").

14. Incidental services

14.1 The purchaser may include in the contract any or all of the following services and /or some additional services, if specified in the **Schedule of Requirements** and the supplier is required to provide the same.

- a. Performance or supervision of on-site assembly and /or start up of the supplied goods.
- b. Furnishing of tools required for assembly and/or maintenance of the supplied goods.
- c. Furnishing of detailed operations and maintenance manual for each appropriate unit of the supplied goods
- d. Performance or supervisor maintenance and/or repair of the supplied goods for a period of time agreed to by the parties, provided that this service shall not relieve the supplier of any warranty obligations under the contract and
- e. Training the purchaser's personnel at the supplier's plant and /or on site in assembly start-up operation, maintenance and/or repair of the supplied goods.

14.2 Prices charged by the supplier for the above mentioned incidental services, if not included in the quoted price for the goods, shall be quoted separately in the bid itself and shall not exceed the prevailing rates, charged to other parties by the supplier for similar services.

15. Spare parts

15.1 As specified in the **Schedule of Requirements**, the supplier may be required to provide any or all the following materials, notifications and information pertaining to spare parts manufactured and/or distributed by the supplier.

- a. Such spare parts as the purchaser may elect to purchase from the supplier, provided that this will not relieve the supplier of any warranty obligations under the contract and
- b. In the event of termination of production of the spare parts

- i. Advance notice to the purchaser of the pending termination, insufficient time to permit the purchaser to procure needed requirements and
 - ii. Immediately following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
- 15.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods. Other spare parts and components shall be supplied as promptly as possible but in any case within three months of placement of order and opening the letter of credit.

16. Warranty

- 16.1 The supplier warrants that the goods supplied under the contract is new, unused, of the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and /or the material used are as per the purchaser's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 16.2 The warranty shall remain valid for 12 (twelve) months after the goods or any portion thereof as the case may be have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract or for 18 (eighteen) months from the date of despatch from the supplier's works for domestic goods or for 21 (twenty one) months after the date of shipment from the port or place of loading in the source country for imported goods, whichever is earlier, unless specified otherwise in the **Schedule of Requirements**.
- 16.3 The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.
- 16.4 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period if specified in the **Schedule of Requirements** and the contract), repair or replace the defective goods or parts thereof free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.
- 16.5 In the event of any correction of defect or replacement of any defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 (twelve) months from the date such corrected/replaced material starts functioning to the satisfaction of the purchaser.
- 16.6 If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period (or within the period, if specified in the **Schedule of Requirements** and the contract), the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other right, which the purchaser may have against the supplier, under the contract.

17. Payment

- 17.1 The payment shall be made in the currency/currencies specified in the contract. The supplier shall send its claim (with relevant documents, as required) to the appropriate paying authority as specified in the Part-I of **Schedule of Requirements** and the contract. Before claiming any payment, the supplier shall ensure that all the contractual obligations for claiming that payment have been duly fulfilled.

17.2 The payment shall be made in the following manner and on production of the following documents.

A). Payment for good supplied from abroad:

i. On shipment

90% of the contract price shall be paid through irrevocable letter of credit established in favour of the foreign supplier in a scheduled commercial bank in India or a bank in the supplier's country acceptable to the purchaser upon submission of the following documents.

- a. Certified copy of the fax sent by the supplier to the purchaser and others as per GCC sub-clause 13.1(a)
- b. Supplier's signed commercial invoice showing contract number, description of the supplied goods, corresponding quantity, unit price and the total value and name(s) of the consignee(s) for the supplied goods.
- c. Original clean on board bill of lading marked freight pre-paid consigned to the interim/port consignee evidencing description of the goods, quantities, relevant details about the contract number etc.
- d. Packing list identifying contents of each package
- e. Insurance policy or certificate in duplicate endorsed in blank with claims payable in India in the currency of the letter of credit.
- f. Manufacturer's/supplier's warranty certificate and supplier's factory inspection report.
- g. Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified.
- h. Certificate of origin
- i. Supplier's certificate confirming that the required documents have been sent to all concerned in terms of GCC sub-clause 13.1(a).
- j. Supplier's certificate confirming that the amounts shown in the invoice are correct in terms of the contract and that all the terms and conditions of the contract have been complied with for claiming this payment.
- k. Any other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract.

ii. On final acceptance

10% of the contract price of goods received shall be paid within 30 (thirty) days of receipt of goods on submission of the claim supported by the acceptance certificate issued by the purchaser or the purchaser's nominated representative in the proforma given in section VII/1 of the bidding documents.

iii. Payment of agency commission

Payment shall be made in Indian rupees within 30(thirty) days of presentation of claim supported by a certificate from the purchaser confirming that the goods have been delivered, full 100% payment has been made to the foreign supplier and all other contractual obligations, have been performed by the supplier and its agent for claiming this payment.

This payment (towards agency commission) will be made by the purchaser's paying authority specified in the contract and not through letter of credit.

B). Payment for goods supplied from India

Payment shall be made in Indian rupees by the purchaser's paying authority, as specified in the contract (an not through letter of credit) in the following manner.

i). On delivery

90% of the contract price shall be paid on receipt of the goods by the consignee and upon submission of following documents to the paying authority.

- a. The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount.
- b. Railway receipt or Delivery note
- c. Packing list identifying contents of each package.
- d. Insurance certificate
- e. Manufacturer's/Supplier's warranty certificate
- f. Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified and the supplier's factory inspection report.
- g. Certificate of origin
- h. Provisional receipt certificate for the corresponding deliver, issued by the consignee and
- i. Any other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract.

ii). On final acceptance

The remaining 10% of the contract price shall be paid to the supplier within 30 (thirty) days of receipt of its claim, duly supported by the final acceptance certificate for the corresponding delivery issued by the purchaser's representative in the proforma given in section of the bidding documents.

C) Payment for incidental services and supervision

The incidental services and supervision, if required separately, will be specified in the **Schedule of Requirements** and in the contract. The payment terms applicable for such services and supervision will also be specified therein.

17.3 Operation of the letter of Credit:

- i) The payments effected through letter of credit, shall be subject to the latest Uniform Customs and Practice for Documentary Credit, of the international Chamber of Commerce;
- ii) If requested specifically by the supplier, the letter of credit will be confirmed, but the cost for the same shall be charged to the supplier's account.
- iii) If the letter of credit is required to be extended/reinstated for reasons not attributable to the purchaser, the charges thereof shall be to the supplier's account.

18. Prices

18.1 Price charged by the supplier for the goods supplied and the services performed under the contract shall not vary from the prices quoted by the supplier in its bid with the exception of any price adjustment authorized in the **Schedule of Requirements**.

19. Modification of contract

19.1 The purchaser may at any time, by a written order given to the supplier pursuant to GCC clause 31, make changes and modifications within the general scope of contract in any one or more of the following.

- a. drawings, designs or specifications, where goods to be supplied under the contract are to be specifically manufactured for the purchaser.
 - b. the mode of packing
 - c. the mode of dispatch
 - d. the place of delivery
 - e. the services to be provided by the supplier and /or
 - f. any other areas(s) of the contract, depending on the merits of the case.
- 19.2 If any such change causes an increase or decrease in the cost of, or in the time required for the supplier's performance of any provision under the contract, an equitable adjustment shall be made in the contract price or contract delivery schedule or both, and the contract shall be amended accordingly. Any claim by the supplier for adjustment under this clause must be asserted within 21 (twenty one) days from the date of the supplier's receipt of the purchaser's amendment/modification of the contract.
- 19.3 Subject to GCC sub-clauses 19.1 and 19.2 no variation in or modification of the terms of the contract shall be made except by written amendment signed by both the parties.

20. Assignment

- 20.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

21. Sub contracts

- 21.1 The supplier shall notify the purchaser in writing of all sub-contracts awarded under the contract, if not already specified in its bid. Such notifications, in its original bid or later, shall not relieve the supplier from any liability or obligation, whatsoever, under the contract.
- 21.2 Sub-contract shall be only for bought out items and sub assemblies
- 21.3 Sub-contracts must comply with the provisions of GCC clause 3

22. Delays in the supplier's performance

- 22.1 Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser in Part-I of Schedule of Requirements.
- 22.2 Except as provided under GCC clause 25, any unexcused delay by the supplier in maintaining its contractual delivery obligations shall render the supplier liable to any or all of the following sanctions.
- imposition of liquidated damages,
forfeiture of its performance security and /or
termination of the contract for default
- 22.3 If at any time during the performance of the contract, the supplier or its subcontractor(s) should encounter conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). After the receipt of the supplier's notice, the purchaser, as soon as practicable, shall evaluate the situation and may at its discretion extend the supplier's time for performance, in which case the extension of the delivery period shall be ratified by issuing an amendment to the contract.

- 22.4 The supplier shall not despatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before despatch. In case the supplier despatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and/or any other expense related to such supply shall lie against the purchaser.

23. Liquidated damages

- 23.1 Subject to GCC clause 25, if the supplier fails to deliver any or all of the goods or perform the services within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half per cent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance upto a maximum deduction of 10% (ten percent) of the delayed goods or services' contract price. Once the maximum is reached the purchaser may consider termination of the contract, if the same have not been terminated already.

Further, during the above mentioned delayed period of supply and/ or performance, the supplier, notwithstanding any stipulation in the contract for increase in price for any ground, shall not be entitled to any increase in price and cost, whatsoever, which take place during the period of delay. But, nevertheless, the purchaser shall be entitled to the benefit any decrease in price and cost on any ground during that period of delay.

24. Termination for default

- 24.1 The purchaser, without prejudice to any other remedy for breach of contract, may by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligations(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC clause 22.
- 24.2 In the event the purchaser terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1, the purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, goods and /or services similar to those undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods and/or services. However, the supplier shall continue to perform the contract to the extent not terminated.

25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC clauses 22, 23 and 24, the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 25.3 If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26. Termination for insolvency

- 26.1 If the supplier becomes bankrupt or otherwise, the purchaser may terminate the contract by giving written notice to the supplier, without any compensation to the supplier, provided, that such termination will not prejudice or affect any right of action or remedy which has accrued and /or will accrue thereafter to the purchaser.

27. Termination for convenience

- 27.1 The purchaser, by written notice sent to the supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that the termination is for the purchaser's convenience, the extent to which performance of the supplier under the contract is terminated, and the date with effect from which such termination becomes effective.
- 27.2 The goods that are complete and ready for shipment within 30 (thirty) days after the supplier's receipt of notice of termination shall be accepted by the purchaser at the contract terms and prices. For the remaining goods the purchaser may elect:
- a. to have any portion completed and delivered at the contract terms and prices and /or
 - b. to cancel the remainder and pay to the supplier an agreed amount for partially completed goods and services and for materials and parts already procured by the supplier for fulfilling the contractual obligations.

28. Resolution of disputes

- 28.1 If any dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 28.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given
- 28.3 Any dispute or difference, in respect of which a notice of intention to commence arbitration has been given in accordance with GCC sub-clause 28.2, shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the goods under the contract.
- 28.4 The dispute resolution mechanism to be applied pursuant to GCC sub clause 28.3 shall be as follows.
- a. In the case of a dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act 1996. The arbitral tribunal shall consist of three arbitrators, one each to be appointed by the purchaser and the supplier. The two arbitrators so appointed by the parties and shall act as presiding arbitrator shall choose the third arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of thirty days from the appointment of the arbitrator appointed subsequently the presiding arbitrator shall be appointed by the Indian Council of Arbitration or President of the Institution of Engineers (India).
 - b. The decision of majority of arbitrators shall be final and binding upon both the parties.

- c. The cost and expenses of the arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.
- 28.5 However, where the value of the contract is Rs.15 lakhs (Rupees one and a half million) and below, the disputes or differences arising in it shall be referred to a sole arbitrator. The sole arbitrator shall be appointed by mutual agreement between the parties. If the parties fail to agree on the arbitrator within 30 (thirty) days from the receipt of a request by one party from the other party to so agree, the appointment shall be made upon request of a party, by the Indian Council of Arbitration or the President of the institution of Engineers (India).
- 28.6 The venue of arbitration shall be the place from where the contract is issued.

29. Governing language

- 29.1 The contract shall be written in English language. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written in English.

30. Applicable law

- 30.1 The contract shall be interpreted in accordance with the laws of India

31. Notices

- 31.1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by cable telex or facsimile and confirmed in writing to the addresses specified in the **Schedule of Requirements**.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32. Taxes and duties

- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted goods to the purchaser.
- 32.3 Further instruction, if, any shall be as provided in the **Schedule of Requirements**.

SECTION –IV

SCHEDULE OF REQUIREMENTS

There are three parts under Schedule of Requirements

Part-1 mentions the details of requirements and allied services, schedule-wise separately. **Part -2** provides the specific information and details in relation to the corresponding clauses of section II (Instructions to Bidders). **Part-3** provides specific information and details in relation to the corresponding clauses of section III (General Conditions of Contract). Provision of clause 4.2 of Instruction of Bidders shall apply.

Part-1, Part-2 and Part-3, applicable for this bidding documents are provided in the subsequent pages.

Part-1 of Schedule of Requirements (Section-IV)

Schedule Nos	Brief description of goods	Accounting unit	Qty	Bid Security (In Rupees)	Delivery schedule
1.	Automatic Absorption Spectro-photometer	CSWCRTI, Dehradun	1 No.	1,00,000.00	Within 4 weeks from the date of opening of letter of credit of the foreign goods /Issue of date of purchase order for Indian goods.
2.	Velocity Meter (Programmable Electromagnetic 2-D Measurement)	CSWCRTI, Dehradun	1 No.	30,000.00	- do -
3.	Hydrological & Survey Equipments	CSWCRTI, Dehradun			- do -
	a)Suspended solid analyzer with data logger and analysis system	- do -	02	20,000	- do -
	b) Portable digital flow meter	- do -	03	10,000	- do -
	c) Planimeter (Digital)	- do -	02	2,000	- do -
	d) Infiltrometer with data logger	- do -	01	2,000	- do -
	e) Stage Level Recorder (Mechanical)	- do -	06	5,000	- do -
	f) Stage Level Recorder (Sensor Type)	- do -	02	5,000	- do -

- 1) The equipment listed at Schedules is to be dispatched by the Suppliers at the following destination:

The Director,
Central Soil & Water Conservation
Research & Training Institute,
218, Kaulagarh Road, Dehra Dun (Uttarakhand) – 248 195

- 2) On arrival at the destination, supplier shall install and commission the equipment and give training to the Scientist. The rate for each services should be quoted separately.

Part-2 of Schedule of Requirements (Section-IV) - Imported Goods

(For indigenous goods see part-2 on page 47 of this document)

1. Name of the Purchaser : Director
2. Purchaser's Mailing Address : Central Soil & Water Conservation
Research & Training Institute,
218, Kaulagarh Road , Dehra Dun
Uttarakhand- 248 195
3.
 - a. The price of goods shall be quoted FOB port of shipment.
 - b. Charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination as already indicated in Part – I of **Schedule of Requirement**. These costs incurred in India shall be quoted in Indian Currency.
 - c. Any element of cost, taxes, duties, levies etc. not specifically indicated in the bid, shall not be paid by the purchaser.
 - d. The term FOB, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
4. The incidental services to be provided are specified in the Part – I of Schedule of Requirement.
5. Prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
6. a. If a foreign bidder has engaged an agent in India in connection with its bid it will be required to give the following information in the bid
 - i) The name and address of the Indian agent with their permanent income tax number.
 - ii) The details of the services the agent will render.
 - iii) The amount of remuneration for the agent, included in the FOB component of the bid price.
- b. The agency commission shall be indicated in the space provided for in the price schedule and will be paid to the bidder's agent in Indian rupees using the telegraphic transfer buying rate of exchange ruling on the date of award of contract and shall not be subject to any further exchange variation.
7. The amount of bid security shall be as indicates in the part 1 of Schedule of Requirement.
8. Number of copies required is one, in addition to original copy of the bid.
9. Address for submission of bids to be given on the envelopes is the Director, Central Soil & Water Conservation Research & Training Institute, Dehra Dun-248 195 (Uttanchal)
10. The Tender (**Techno-commercial Bid and Price bid in two separate envelopes with full name and address of the bidder**) shall be sealed in an envelope. The envelope shall be addressed to the purchaser and it should also bear the tender enquiry No. and the words **“DO NOT OPEN BEFORE 15.30 HOURS ON 14.9.2009** (* The time and date of opening of the tenders). This envelope should then be put inside another envelope, which will also be duly sealed. The outer envelope will bear the full address of the purchaser. The supplier must ensure that its tender (i. e. quotation), duly sealed as above, reaches the purchaser **on or**

before 14.9.2009 at 15.00 hrs. The supplier may, at its choice, send the tender by registered post or by speed post. Alternatively, the supplier may also hand deliver the tender to the purchaser in which case the purchaser shall give the supplier a receipt, indicating the time and date of receipt of the tender or allow the tenderer to submit his tender in the Tender Box placed in the Office of the Purchaser which will be sealed by the Committee at **15.00 hrs of 14.9.2009** in the presence of tenderers if any who choose to attend the same.

11. The Techno-commercial bid along with Bid Security **will be opened on 14.9.2009 at 15:30 hrs.** The opened Techno-commercial bid will be evaluated and compared in a stipulated time and the Committee opening the Techno-commercial bid **on 14.9.2009** will also open the price bid of successful tenderers **on 17.9.2009 at 11:00 hrs.** The price bid of the unsuccessful tenderers will be retained unopened for our record. The purchaser will award the contract to the supplier whose offer will be determined to be responsive and offering the best evaluated price. **However, the purchaser has a right to open the price bid on the day of opening of Techno-commercial bid if deemed fit by the committee constituted for opening of Techno-commercial bid**

12. The purchaser's evaluation of bid will also take into account the following factors.
 - a. Cost of inland transportation, insurance and other costs within India incidental to delivery of the goods to their final destination as stipulated in the Schedule of Requirements
 - b. Delivery schedule offered in the bid
 - c. The cost of components spare parts and service
 - d. The availability of spare parts and after sale service in India for the goods offered in the bid
 - e. The projected operating and maintenance cost during the life of the equipment.
 - f. Specific additional criteria.

13. Bidder shall quote separately for inland transportation, insurance and other incidentals for delivery of goods to the required destination as already indicated in the Part – I of Schedule of Requirement. These costs incurred in India shall be quoted in Indian Currency.

14. The purchaser requires that the goods mentioned in the Schedule of Requirements shall be delivered at the destination within the time schedule specified therein. As and if necessary, the estimated time of arrival of goods from ex-works/port of entry to the destination will be calculated by the purchaser for each bid after allowing for reasonable transportation time based on the published tariff of Railways, appropriate Road Transport Agencies etc. Bids offering deliveries (as worked out on above lines), which are later than the specified delivery but within the allowable range (As specified in the **Schedule of Requirements**) will be adjusted during the evaluation by adding a factor equal to the percentage specified in the **Schedule of Requirements**, to the EXW price per week of variation from the specified delivery schedule.

15. The purchaser reserves the right at the time of awarding the contract to increase or decrease by up to 25% the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

16. Subject to ITB clause 28, the purchaser will award the contract to the successful bidder whose bid has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified and prima facie capable to perform the contract satisfactorily.

17. Bidder shall provide the list of organizations/institutions to whom each category of equipments has been supplied during last 10 years.

Part-3 of Schedule of Requirements (Section-IV)-Imported Goods

1. Inspection and Tests

Goods will be inspected at supplier's premises prior to dispatch. The goods will be again inspected at the destination before acceptance.

Goods on arrival in India, will be inspected thoroughly by the Indian Agent.

The inspection at final destination before acceptance will be done by respective Head of the Center or his nominee as given in Part – I of Schedule of Requirement.

The purchaser's right to inspect test and where necessary reject the goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or its representative prior to the dispatch of the goods from the country of origin or from the supplier's premises.

2. Packing

The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during their transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation rough handling and exposure to extreme temperature humid weather and precipitation during transit and open storage. The sizes and weights of the packing cases shall also taken into consideration, where applicable the available inland mode(s) of transport in India the remoteness of the goods final destination and the absence of heavy handling facilities at all points in transit. Further, limitations and /or mandatory instructions if any in the weights volumes and sizes of the packages shall also be taken care of by the supplier.

The packing mark and documentation within and outside the packages shall comply strictly with such special requirements if any as shall be expressly provided for in the contract, including additional requirements, if any specified in the **Schedule of Requirements** and any subsequent instructions given by the purchaser.

Packing instructions

The supplier will be required to make separate packages for each consignee named in the contract. Each package will be marked by the supplier at its own expense, on three sides with indelible ink/paint, with the following details.

- a. Contract no. and date
- b. Name and address of the consignee
- c. Name and address of the supplier
- d. Brief description of goods
- e. Gross weight and outer dimension of the package
- f. Country of origin of goods
- g. Packing list reference no. and
- h. Any other requirement relevant to the contract

3. Transportation

Where the supplier is required under the contract to deliver the goods F.O.B. transportation of the goods, up to and including the point of putting the goods on board the vessel at the specified port of loading, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

Where the supplier is required under the contract to deliver the goods F.O.B and also to arrange on behalf and at the expense of the purchaser for ocean transportation on Indian flag vessels or vessels of conference lines in which India is a member country, the supplier may arrange for such transportation on alternative carriers also if the Indian flag vessels or Conference Line vessels are not available to transport the goods within the time frame specified in the contract. However, before arranging such alternative transportation the supplier shall obtain prior concurrence of the purchaser for the same.

The supplier shall not arrange part–shipments and/or transshipment without the prior written consent of the purchaser.

In case the supplier violates any of the aforementioned instructions the supplier shall be liable for all consequences (including financial loss) that the purchaser may face due to such violations.

4. Insurance

Where delivery is on F.O.B. basis, the insurance shall be the responsibility of the purchaser.

5. Distribution of dispatch documents

The shipping and other documents as well as dispatch details to be furnished by the supplier to the purchaser and/ or to the purchaser's nominated authorities to enable the purchaser and/or its nominated authorities to clear and/or accept the goods will depend on the mode of dispatch of the goods and the terms of delivery, as specified in the **Schedule of Requirements** and in the contract and subject to the same, the instructions in this regard will be as indicated below:-

a For good supplied from abroad:

Within 24 hours of shipment, the supplier shall notify the purchaser and its nominated authorities (as specified in the contract) and the insurance company by cable or telex or fax, the full details of the shipment including contract number, description of goods quantity, the vessel, the bill of lading number and date/airway bill number and date port of loading date shipment, port of discharge, expected date of arrival at the port of entry etc. Further, the supplier shall also immediately despatch by registered air-mail the specified number of copies of the following documents to the above authorities.

- i. Supplier's invoice showing contract number, description of goods, quantity, unit price and total amount
- ii. Original and copies of the negotiable, clean, on board bill of lading marked freight to pay and copies of non-negotiable bill of lading.
- iii. Copies of packing list, identifying the contents of each package
- iv. Insurance certificate
- v. Manufacture's supplier's warranty certificate
- vi. Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency (if so specified) and the supplier's factory inspection report and
- vii. Certificate of origin

The above documents shall be received by the purchaser and other authorities mentioned above at least one week before the arrival of goods at the port or place of arrival and if not received, the supplier will be responsible for any consequent expenses.

6. Incidental Services

The supplier is required to provide the following services.

- a. Performance or supervision of on-site assembly and / or start up of the supplied goods.
- b. Furnishing of detailed operations and maintenance of the supplied goods.
- c. Training the purchaser's personnel at the final destination as given in Part – I of Schedule of Requirements.

7. Warranty

The supplier warrants that the goods supplied under the contract is new, unused, of the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and /or the material used are as per the purchaser's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

The warranty shall remain valid for 12 (twelve) months after the goods or any portion thereof as the case may be have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract or for 18 (eighteen) months from the date of despatch from the supplier's works for domestic goods or for 21 (twenty one) months after the date of shipment from the port or place of loading in the source country for imported goods, whichever is earlier, unless specified otherwise in the **Schedule of Requirements**.

The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.

Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period if specified in the **Schedule of Requirements** and the contract), repair or replace the defective goods or parts thereof free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.

In the event of any correction of defect or replacement of any defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 (twelve) months from the date such corrected/replaced material starts functioning to the satisfaction of the purchaser.

If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period (or within the period, if specified in the **Schedule of Requirements** and the contract), the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other right, which the purchaser may have against the supplier, under the contract

8. Payment

The payment shall be made in the currency/currencies specified in the contract. The supplier shall send its claim (with relevant documents, as required) to the appropriate paying authority as specified in the Part – I of **Schedule of Requirements** and the contract. Before claiming any payment, the supplier shall ensure that all the contractual obligations for claiming that payment have been duly fulfilled.

The payment shall be made in the following manner and on production of the following documents.

A). Payment for good supplied from abroad:

i. On shipment

90% of the contract price shall be paid through irrevocable letter of credit established in favour of the foreign supplier in a scheduled commercial bank in India or a bank in the supplier's country acceptable to the purchaser upon submission of the following documents.

- a. Certified copy of the fax sent by the supplier to the purchaser and others as per GCC sub-clause 13.1(a)
- b. Supplier's signed commercial invoice showing contract number, description of the supplied goods, corresponding quantity, unit price and the total value and name(s) of the consignee(s) for the supplied goods.
- c. Original clean on board bill of lading marked freight pre-paid consigned to the interim/port consignee evidencing description of the goods, quantities, relevant details about the contract number etc.
- d. Packing list identifying contents of each package
- e. Insurance policy or certificate in duplicate endorsed in blank with claims payable in India in the currency of the letter of credit.
- f. Manufacturer's/supplier's warranty certificate and supplier's factory inspection report.
- g. Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified.
- h. Certificate of origin
- i. Supplier's certificate confirming that the required documents have been sent to all concerned in terms of GCC sub-clause 13.1(a).
- j. Supplier's certificate confirming that the amounts shown in the invoice are correct in terms of the contract and that all the terms and conditions of the contract have been complied with for claiming this payment.
- k. Any other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract.

ii. On final acceptance

10% of the contract price of goods received shall be paid within 30 (thirty) days of receipt of goods on submission of the claim supported by the acceptance certificate issued by the purchaser or the purchaser's nominated representative in the proforma given in section of the bidding documents.

iii. Payment of agency commission

Payment shall be made in Indian rupees within 30(thirty) days of presentation of claim supported by a certificate from the purchaser confirming that the goods have been delivered, full 100% payment has been made to the foreign supplier and all other contractual obligations, have been performed by the supplier and its agent for claiming this payment.

This payment (towards agency commission) will be made by the purchaser's paying authority specified in the contract and not through letter of credit.

The agency commission shall be indicated in the space provided for in the price schedule and will be paid to the bidder's agent in Indian rupees using the telegraphic transfer buying rate of

exchange ruling on the date of award of contract and shall not be subject to any further exchange variation.

9. Prices

Prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

10. Resolution of disputes

If any dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

Any dispute or difference, in respect of which a notice of intention to commence arbitration has been given in accordance with GCC sub-clause 28.2, shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the goods under the contract.

The dispute resolution mechanism to be applied pursuant to GCC sub clause 28.3 shall be as follows.

- a. In the case of a dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act 1996. The arbitral tribunal shall consist of three arbitrators, one each to be appointed by the purchaser and the supplier. The two arbitrators so appointed by the parties and shall act as presiding arbitrator shall choose the third arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of thirty days from the appointment of the arbitrator appointed subsequently the presiding arbitrator shall be appointed by the Indian Council of Arbitration or President of the Institution of Engineers (India).
- b. The decision of majority of arbitrators shall be final and binding upon both the parties.
- c. The cost and expenses of the arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

However, where the value of the contract is Rs.15 lakhs (Rupees one and a half million) and below, the disputes or differences arising in it shall be referred to a sole arbitrator. The sole arbitrator shall be appointed by mutual agreement between the parties. If the parties fail to agree on the arbitrator within 30 (thirty) days from the receipt of a request by one party from the other party to so agree, the appointment shall be made upon request of a party, by the Indian Council of Arbitration or the President of the institution of Engineers (India).

The venue of arbitration shall be the place from where the contract is issued

11. Notices

Any notice given by one party to the other pursuant to the contract shall be sent in writing or by cable telex or facsimile and confirmed in writing to the addresses specified in the Part – I of **Schedule of Requirements**.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

12. Taxes and duties

A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.

A local supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted goods to the purchaser. The purchaser will provide the supplier with custom duty exempted certificate for seeking exemption of customs duty.

Part-2 of Schedule of Requirements (Section-IV) - Terms and Conditions for bids of Indigenous Goods

- i) Description of the goods required and the required quantity: As enclosed in Part I Section IV
- ii) Guiding specification and other technical details: As enclosed in Section V
- iii) Terms of delivery: Delivery at site, viz Central Soil and Water Conservation Research and Training Institute, 218, Kaulagarh Road, Dehradun
- iv) Delivery period for goods: Within one month (30 days) from the date of the purchaser's signing the contract.
- v) Erection / installation and commissioning (if required, depending on the goods ordered) are to be completed within 10 days of delivery of the goods at site.
- vi) Terms of Inspection by the purchaser's representative: The inspection and tests will be conducted at the goods' final destination. Should any inspected or tested goods fail to conform to the required specification and standard, the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required free of cost to the purchaser and resubmit the same to the purchaser for conducting the inspections and tests again.
- vii) Training of purchaser's operator(s) for operating the goods ordered, as and if necessary: .
- viii) **Bid Security :**

Bid Security as indicated in the invitation for bids must be deposited in the shape of Demand Draft drawn in favour of ICAR Unit Account, Central Soil & Water Conservation Research & Training Institute, Dehradun by all tenderers along with the Techno-commercial Bid. Bid Security in shape of TDR/FDR will not be accepted. The Techno-commercial Bid shall not be considered if the Bid Security is not furnished with the Techno-commercial Bid. No request for transfer of any previous deposit of Bid Security will be entertained.

It is understood that the tender document has been issued to the tenderer and is being permitted to tender in consideration of the stipulation on his part that after submitting his tender, he will not resile from his offer or modify the terms and conditions thereof. In case the tenderer fails to observe and comply with the foregoing stipulation, the aforesaid amount will be forfeited to the Indian Council of Agricultural Research. In the event of the offer made by the tenderer not being accepted, the amount of Bid Security deposited by the tenderer will be refunded to him after he has duly applied for the same. The Bid Security should not on any account fall short of the amount actually required.

- ix) **Preparation of Tender:**
 - a. The schedule to the tender form should be returned intact whether you are quoting for any item or not. Pages should not be detached and the items which are not being tendered for, the corresponding space should be defaced by some such words as 'Not' quoting.
 - b. In the event of space on the schedule form being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, bear the Tender number and be fully signed by the tenderer. In such cases reference to the additional pages must be made in the tender form.

- c. If any modification of the schedule is considered necessary, the tenderer should communicate the same by means of a separate letter sent with the Tender.

x) **Price structure:**

- a) The tenderer shall quote for the complete requirement of goods & services and for the full quantity as shown against schedule number in the Schedule of Requirement in Section – IV. Unless otherwise specified in Section– IV, the tenderers are, however, free not to quote against all the serial numbers mentioned in the List of Requirement (in case there are more than one serial number in the List of Requirement).
- b) The rates and prices quoted shall be in Indian Rupees only.
- c) All duties, taxes and levies payable by the supplier under the contract shall be included in the quoted price. The purchaser will not pay any such duties, taxes and levies separately. The rates should be quoted inclusive of all taxes, duties, octroi etc., FOR 218 Kaulagarh Road, Dehra dun
- d) The rates and prices quoted by the suppliers shall remain firm and fixed during the currency of the contract and shall not be subject to variation on any account, whatsoever, including statutory variations, if any.
- e) Receipt of goods & Terms of payment:
- f) Payment term for supply of goods, including erection / installation and commissioning (as and if applicable) –
On receiving the goods at site, the purchaser will verify the quantities of the items supplied as specified in the delivery challan of the supplier and also check for any superficial damage etc. in the goods so supplied and issue a provisional receipt accordingly.
The paying authority will release the full payment to the supplier as due in terms of the contract, within 30 days of receipt of material in satisfactory conditions, supplier’s invoice, purchaser’s receipt certificate and other accompanying documents, provided the same are in order.
- g) Payment for training of purchaser’s operator(s), if applicable.
After release of payment to the supplier as per sub-para (a) above and after successful completion of training of the operator(s) in terms of the contract, the purchaser will immediately issue a certificate to this effect to the supplier. The supplier will thereafter send its invoice for training charges, along with the above certificate to the paying authority. The paying authority will release the payment to the supplier in terms of the contract within seven working days of receipt of supplier’s invoice provided the invoice and the accompanying documents are in order.

xi) **Paying Authority:**

The Director, CSWCRTI, Dehradun.

xii) **Liquidated Damage Clause:**

If any time during the performance of the contract, the supplier encounters conditions hindering timely delivery of the goods, the supplier shall promptly inform the purchaser in writing the fact of delay and the likely duration of the same. After receipt of supplier’s communication, the purchaser shall decide as to whether to cancel the contract for the un-supplied portion after the existing delivery period, or to extend the delivery period suitably by issuing an amendment to the contract. If the supplier fails to deliver the goods

and / or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the purchaser extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half per cent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance. The maximum limit of such deduction will, however, be 10% (ten per cent) of the contract price of the delayed goods or services.

Further, during such delayed period of supply and / or performance, the supplier shall not be entitled to any increase in price and cost, whatsoever, or any ground. However, the purchaser shall be entitled to the benefit of any decrease in price and cost on any ground, whatsoever, of the goods & services, supplied during the period of delay.

The purchaser's letter (to the supplier, with copies endorsed to others concerned) extending the delivery period will be subject to the above conditions.

xiii) **Warranty Clause:**

- a) The supplier warrants that the goods supplied under the contract is new, unused, of the most recent of current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the purchaser's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal used of the supplied goods under the conditions prevailing in India.
- b) This warranty shall remain valid for minimum 12 (twelve) months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract, unless specified otherwise in the Schedule of Requirements.
- c) The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.
- d) Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the Schedule of Requirements and the contract), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/ goods thereafter.
- e) In the event of any correction of a defect or replacement of any defective material during the warranty period, the warranty for the corrected / replaced material shall be extended to a further period of 12 (twelve) months from the date, such corrected / replaced material starts functioning to the satisfaction of the purchaser.
- f) If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period (or within the period, if specified in the Schedule of Requirements and the contract), the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights, which the purchaser may have against the supplier, under the contract.

xiv) **Dispute Resolution Mechanism:**

If any dispute or difference arises between the purchaser and the supplier relating to any matter connected with the contract, the parties shall make every effort to resolve the same amicably by mutual discussion. However, if the parties fail to resolve the dispute or difference by such mutual discussion within 30 days, either the purchaser or the supplier may give notice to the other party of its intention to refer the same to arbitration. The arbitration shall commence thereafter. The arbitration shall be conducted by a sole arbitrator, who will be appointed by the Secretary, ICAR and the procedure to be followed in this respect will be as per the Indian Arbitration and Conciliation Act, 1996. The venue of the arbitration shall be the place from where the contract is issued.

xv) **General Terms and Conditions:**

- a. The rates quoted should be F.O.R. CSWCRTI., 218-Kaulagarh Road, Dehra Dun. The rates quoted otherwise will be liable to be rejected.
- b. Complete specifications of the article quoted for should be given in the Techno commercial Bid along with illustrated pamphlets, literature, catalogue, list of users and certificate regarding performance and suitability, drawing etc., if available.
- c. In case the material/equipment/machinery carries Central Excise Duty/Custom Duty, the same may be indicated to enable this Institute to avail exemption from Central Excise Duty/Custom Duty in terms of Govt. notification No. 10/97 - Central Excise dated 1.3.97 applicable to educational and research Institutions/Laboratories etc. against the Central Excise/Custom Duty Exemption Certificate available with this Institute.
- d. In case any of the items mentioned in the schedule are covered by Rate Contract with DGS&D etc. the rate contract No. and date may be specified along with the copy of Rate Contract.
- e. We desire to have articles of indigenous make. If indigenous make is not available, foreign make articles can be quoted provided payment is acceptable in Indian currency.
- f. It should specifically be mentioned whether delivery would be from ready stock or would have to be acquired/imported and in the latter case, the time required for delivery after the order for supply is placed should be indicated clearly if it exceeds the stipulated time of 60 days.
- g. The tenders should be completed in all respects such as minimum quantity of supply, specifications, unit rate, amount, mode of dispatch etc. If any installations are to be made by the supplier, it should be specified and extra charges, if any, payable thereof should be clearly indicated in the tenders.
- h. In the case of equipments/machinery a Warranty Certificate for a specified period has to be furnished invariably.
- i. Payment will be made by cheque drawn on the State Bank of India, Main Branch, Dehra Dun or by crossed Demand Draft after satisfactory completion of supply / installation and on receipt of pre-receipted bill in triplicate. Quotation insisting for any other mode of payment are liable to be rejected.
- j. The Director, CSWCRTI., Dehra Dun reserves to himself the right to accept or reject any or all the quotations either in part or in full without assigning any reason thereof.
- k. Inquiries regarding rate will not be entertained.
- l. All disputes including Court Proceedings shall be settled within the Dehra Dun Jurisdiction only.
- m. While submitting tender, tenderer should indicate clearly regarding no. of pages of schedule, literature, diagram, papers etc. attached.

- n. Tenderer should indicate (i) Current Sales Tax No. CSWCRTI will arrive at Net price of any store like:- (Price + CED+SED +Uttaranchal Sales Tax +UPST+ CST/Octroi/TOT + Transportation charges etc) - (Discount) + Installation or demonstration charges, if any. If any ambiguity is there, tender will be rejected summarily without bringing to the notice of tenderer.
- o. List of users organizations/institutions to whom each category of equipment has been supplied during last 10 years may be appended with tender form.
- p. In case the tender is accepted, the successful tenderer will have to deposit security money before placement of supply order, at the rate of 5% of the offered net price (including installation/demonstration charges, if any) in shape of demand draft only in favour of the ICAR Unit Account, CSWCRTI., Dehra Dun payable at State Bank of India, Dehra Dun. The bid security deposited at the time of submission of tender can be adjusted towards security deposit. In no circumstances Government Promissory Notes, Saving Bank Pass Book, Postal Order, FDR/TDR. cheque shall be received as security deposit Order will not be placed till the tenderer submits Demand Draft for security deposit within stipulated date as informed by this Office. No request for transfer of any other previous deposit of bid security /security deposit will be entertained.
- q. This Institute is not bound to place supply order to the overall lowest firm. The order can be placed to any firm who is lowest and meeting the specifications required by the Institute in any of the specific items required.
- r. Materials quoted for, must conform to the specifications laid down in all respects. The specifications, brand, name of the manufacturers etc. should be mentioned clearly in the quotation.
- s. Materials quoted for should be securely packed to prevent loss or damage in transit. If any loss or damage results in transit due to insecure and insufficient packing etc, the supplier will be liable for the damage.
- t. The payment of bill will be made as far as possible within 30 days from the date of receipt of the material in good conditions and proper installation wherever necessary. The installation charges if any, may also be quoted separately. No advance payment will be made either directly or through bank. Conditional tender in this behalf shall be rejected summarily.
- u. Complete schedule of quotation should invariably be submitted along with the Tender, without which the tender will be liable for cancellation.
- v. Distinct separate particulars if any, along with prices may please be quoted for each tender as mentioned above.
- w. Submission of incomplete quotation is liable to be rejected.
- x. Clarifications if any, regarding the specification mentioned in the schedule may be sought before quoting the price.

(xvi) You are also required to fulfill the following conditions and furnish the details as indicated in subsequent paragraphs.

- a) At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to 25%, the quantity of goods and services as specified in the List of Requirements, without any change in the unit price or other terms and conditions.
- b) Please furnish a certificate copy of latest ITCC (Income Tax Clearance Certificate).
- c) Please indicate if you are currently registered with any Govt. organization and if registered, furnish all relevant details.
- d) Please state whether business dealings with you presently stand banned by any Government organization and, if so, furnish relevant details.
- e) A supplier shall not submit more than one quotation for the same set of goods.

- f) The supplier shall at all times indemnify the purchaser, at no cost to the purchaser, against all third party claims of infringement of patent, trademark or industrial design rights arising from the use of the goods or any part thereof, with respect to the goods quoted by the supplier in its offer.
- g) The quotation(s) as well as the contract shall be written in English language. All correspondence and other documents pertaining to the quotation(s) and the contract, which the parties exchange, shall also be written in English.
- The quotation and all correspondence and documents relating to the quotation exchanged between the bidder and the purchaser may also be written in Hindi language provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the quotation, the English translation shall govern.
- h) The contract shall be governed by the laws of India and interpreted in accordance with such laws.
- i) The quotations / offer shall remain valid for acceptance for a period not less than 90 days after the specified date of opening of the offers.
- (xvii) The Tender (**Techno-commercial Bid and Price bid in two separate envelopes with full name and address of the bidder**) shall be sealed in an envelope. The envelope shall be addressed to the purchaser and it should also bear the tender enquiry No. and the words “**DO NOT OPEN BEFORE 15:30 HOURS ON 14.9.2009***” (* The time and date of opening of the tenders). This envelope should then be put inside another envelope, which will also be duly sealed. The outer envelope will bear the full address of the purchaser. The supplier must ensure that its tender (i. e. quotation), duly sealed as above, reaches the purchaser **on or before 15.00 hrs of 14.9.2009**. The supplier may, at its choice, send the tender by registered post or by speed post. Alternatively, the supplier may also hand deliver the tender to the purchaser in which case the purchaser shall give the supplier a receipt, indicating the time and date of receipt of the tender or allow the tenderer to submit his tender in the Tender Box placed in the Office of the Purchaser which will be sealed by the Committee **at 15.00 hrs of 14.9.2009** in the presence of tenderers if any who choose to attend the same.
- (xviii) The tenders, which are received late by the purchaser, will be ignored. Further, the purchaser does not accept any liability and responsibility for the tenders in case the same are not properly sealed & marked and / or sent as above.
- (xix) The tenders, which are received on time (as per para 3 above), will be opened at purchaser’s office **at 15.30 hours on 14.9.2009**. The purchaser will open the tenders in the presence of the tenderers’ duly authorized representatives, who choose to attend the tender opening.
- (xx) The Techno-commercial bid with Bid Security **will be opened on 14.9.09 at 15.30 hrs**. The opened Techno-commercial bid will be evaluated and compared in a stipulated time and the Committee opening the Techno-commercial bid **on 14.9.2009** will also open the price bid of successful tenderers **on 17.9.2009 at 11:00 hrs**. The price bid of the unsuccessful tenderers will be retained unopened for our record. The purchaser will award the contract to the supplier whose offer will be determined to be responsive and offering the best evaluated price. **However, the purchaser has a right to open the price bid on the day of opening of Techno-commercial bid if deemed fit by the committee constituted for opening of Techno-commercial bid**
- (xxi) Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation or annul the tendering process and reject all quotations at any time prior to award of the contract,

without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the affected tenderer or tenderers.

(xxii) Please submit your quotation accordingly. You shall sign all the pages of your quotation. Your price quotation may be furnished in the enclosed format. You are also required to return this original tender enquiry (all the pages), as it is, duly signed by you on every page, for our record. You may retain a photocopy of this tender enquiry for your record.

CED	:	Central Excise duty
UAST	:	Uttaranchal Sales Tax
UPST	:	Uttar Pradesh Sales Tax
TOT	:	Turn Over Tax
SED	:	Special Excise Duty
CST	:	Central Sales Tax

SECTION-V
TECHNICAL SPECIFICATION AND
QUALITY CONTROL REQUIREMENTS FOR
AUTOMATIC ABSORPTION SPECTRO-PHOTOMETER

Schedule-1

Name of the Equipment : **Automatic Absorption Spectro-photometer**

Quantity required : **1 No.**

Specification for Atomic Absorption Spectrophotometer

External PC Controlled Continuum Source Atomic Absorption Spectrophotometer equipped with the features like automatic source wave length selection, lamp current and slit width selection, automatic setting of cook book parameter. Fully advanced design suitable for working in PPM to PPB level detection range in flame and cold vapor hydride generation AAS.

Optical System

Optics	: Reflective optics with protective coating.
Wave length Range	: 189-900 nm
Drift Correction	: Simultaneous with the sensitivity better than single beam
Mono chromator Design	: Echelle double mono chromator type for superior detection
limit and sensitivity	
Spectral bandwidth	: 2PM/200nm
Resolution	: 1:145000
Detector	: CCD array type or better
Background Correction	: Simultaneous back ground correction capable for even
structured	background

Flame Version :

Its must includes all coded, Titanium 100mm, single slot air / acetylene and 50mm nitrous oxide / acetylene burner heads, air compressor, regulators for air / acetylene / nitrous oxide Switchable between single beam and double beam operation for optimum light through put and baseline correction. Automatic cleaning device for cleaning the 50mm burner head.

- Fully programmable computer controlled gas box for monitoring and control of fuel/ oxidant ratio, automatic flame ignition and extinguish etc. Automatic input of additional gases for organic solvent.
- Corrosion resistant Burner pre-mix chamber suitable for all type of solvent and easy dismentalable for cleaning.
- Automatic change over from Air/Acetylene to nitrous oxide/Acetylene with automatic and easy alignment of burner position including horizontal, vertical and rotational movements
- Emission mode with unique baseline correction facility.
- Automated safety monitoring for fuel gas type, burner recognition and type, fuel and oxidant, liquid level waste vessel, Pressures and flow rate etc, facility for auto shut down of gases incase of any abnormality.
- Automatic Segmented Flow Star flame injection technique for small sample volume and sample with strong matrix influence
- Automatic software controlled burner cleaning device should be quoted

Vapor generation Assembly: Software controlled mercury/Hydride generation system for hydride forming element such as As, Se, Hg, Sn, Cd etc.

Source Lamp: Xenon short arc lamp working in optimized hot spot mode for full measurement range of AAS for real fast sequential multi element measurement

Cathode Lamp: Fe, Cu Zn , Mn, Ca, Mg. B, Mo, As, Pb

Software :

Window type 32bit software which can run on window 2000, window XP

- Software should be capable to control all accessory, basic machine function, data collection, processing and real time multitasking.
- Software should be capable for reading absorbance, concentration and emission intensity.
- Software should be able to perform real sequential multi element analysis.
- QC package with GLP and GALP compliance
- Automated parameter selection for method development.
- Flexible storage and presentation function for analysis profile report generation.
- Automatic and on line setting of cook book data for routine measurement and information on each element.
- User selectable statistics for SD/RSD separately for calibrations and samples.
- Online test & diagnostics, transportation of data to other program.

AAS System should be quoted with accessories like Pentium PC and printer , Oil less air compressor, Cylinders and Regulators for Air, Acetylene and Nitrous oxide, Fume Hood.

Special Condition:

Warranty must be Three years from supply and two years free AMC.

Instrument must be supplied with IQ/OQ/PQ document.

Manufacturer must be ISO 9000

SECTION-V
TECHNICAL SPECIFICATION AND
QUALITY CONTROL REQUIREMENTS FOR
Velocity Meter (Programmable Electronic 2-D Measurement)
Schedule-2

Name of the Equipment : Velocity Meter (Programmable Electronic 2-D Measurement)
Quantity required : 1 No.

	Specification
Materials of probe	Stainless steel 316 Brass (connector) Platinum Polycarbonate Epoxy coating
Medium	Clean and dirty liquids including slurries Minimum conductivity 0.2 m S/cm Maximum temperature 40°C (liquid) Electromagnetic, bi-axial, 4-quadrant Ellipsoid 14 x 40 mm Fully immersible 9 max 309 m Upto 5 m/s
Inaccuracy	± 0.01 m/s $\pm 1\%$ of measured value Provided that tilt angle $< 10^\circ$
Tilt response error	Negligible for tilt angle $< 10^\circ$ Uncertain/too large for tilt angle $> 10^\circ$
Temperature influence	Medium : 1 mm/per°C Ambient 0.3 mm/s per°C
Conductivity influence	0.02% of reading per mS/cm
Cables field type	25 m (optional upto 100 m) Field current supplied by P-EMS control unit 0.7 kg shipping weight 3 kg (in box)

SECTION-V
TECHNICAL SPECIFICATION AND
QUALITY CONTROL REQUIREMENTS FOR
Hydrological and survey equipments
Schedule-3

a) **Suspended Solid Analyser with data logger and analysis system**
Quantity required – 02 (Two)

	Specification
Measuring range	0 to 30,000 mg/L (standard Model 15 sensor) 0 to 1,500 mg/L (low range Model 15 sensor)
Accuracy	+/-3% of reading or 20 mg/L, whichever is greater (Standard model 15 sensor) +/-3% of reading (low range Model 15 sensor)
Sensitivity/Resolution	1 mg/L below 1000 mg/L 10 mg/L between 1,000 to 9999 mg/L 100 mg/L above 10,000 mg/L
Repeatability	+/-0.5%
Sensor drift	Less than 1% per year
Temperature range	0 to 65 deg C
Sensor check	Automatic self diagnostics
Output	RS 232 serial
Memory back up	Yes
Display	LCD graphic display with UV protection, contrast adjustment via keypad, on demand backlighting
Sensor cable length	6 m
Sensor diameter	48 mm
Ambient temperature	- 40 to 55 deg C
Ambient humidity	0 to 100%
Enclosure rating	NEMA 4 X
Wetted materials	Eposy, polyurethane PVC
Maximum pressure	100 psi
Shipping weight	Approximately 1.8 kg

b) **Portable Digital Flow Meter**
Quantity required – 03 (Three)

SL. No.	Parameter	Range	Resolution	Accuracy	Sampling	Response
1.	Current water speed	0.3 – 14 m/sec	0.1 m/sec	+/-3%	1 sec	3 sec
2.	Average water speed	0-14 m/sec	0.1 m/sec	+/-3%		
3.	Current temperature	-25° C to 100°C	1°C	+/-0.7°C`	1 sec	5 min
4.	Current wind speed	1.1-14 m/sec	0.1 m/sec	+/-3%	1 sec	3 sec
5.	Wind chill factor	-25°C to 100°C	1°C		1 sec	

c) **Planimeter (Digital)**
Quantity required – 02 (Two)

Planimeter (Digital)	Digital, Digital planimeter to quickly measure the area of irregular figures, 300 mm in width unlimited length, relative error; $d \pm 0.2\%$, Display: 16 digits LCD
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d) **Infiltrometer with Data Logger**
Quantity required – 01 (One)

Infiltrometer with data logger	Double ring type made of heavy metal so as to withstand the pressure of the plate and hammer for piercing it in the ground with plate (2 Nos.) and hammer with data logger and battery for downloading the field data in the PC. Portable to the hilly terrain through head load.
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e) **Stage Level Recorder (Mechanical)**
Quantity required – 06 (Six)

Stage level recorder (Mechanical)	For measurement of depth of flow in the stream with float, counter weight, float wire, clock, disposable pen for recording the depth, 30 cm drum diameter, 5 depth reduction gears, daily and weekly chart changing system.
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f) **Stage Level Recorder (Sensor Type)**
Quantity required – 02 (Two)

Stage Level Recorder (Sensor Type)	To be used in streams in remote areas for continuous recording and storing of depth of flow at specified time interval. The stored data to be down loaded on PC.
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SECTION-VI QUESTIONNAIRE

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARK "NOT APPLICABLE" BIDDERS MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND/ OR ARE EVASIVE, THE BID WIL BE LIABLE TO BE IGNORED.

1. Bid No. _____ Date for bid opening on _____
 2. Offer is open for acceptance _____
 3. Brand of goods offered:
 4. Name & address of manufacturer
 5. Station of Manufacture
 6. What is your permanent income
Tax A/C no.
 7. Confirm whether you have attached your latest/
current ITCC or certified photocopy thereof:
 8. Status
 - a. Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D) for the item(s) quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
 - b. Are you a small scale unit currently registered with the National Small Industries Corporation (NSIC) under Single Point Registration Scheme for the item(s) quoted? If so indicate the date up to which you are registered and whether there is any monetary limit on your registration.
 - c. If you are not registered either with NSIC or DGS&D, please state whether you are currently registered with Directorate of Industries of the State Government concerned. If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
 - d. Are you registered under the Indian Companies Act, 1956 or any other Act?
- Please attach certified copy (copies) of the relevant registration certificate(s) in confirmation to your above answer(s).
9. Please indicate :-
Name & full address of your Banker(s).
 10. Whether you are
 - (i) Manufacturer of the goods quoted or
 - (ii) Manufacturer's authorized agent for those goods

11. State whether business dealings with you have been currently banned by any Ministry/Deptt. of Central Govt. Or any State Govt.

Signature of Witness

Signature of Bidder

Name and address of witness

Full name, designation & address of the
Person signing above
For and on behalf of Messer.

(Name and address of the bidding firm)

**SECTION –VII/1
BID FORM AND PRICE SCHEDULES**

Date

To

(Designation and address of the purchaser)

Ref: Your bidding documents No..... dated

Having examined the above mentioned bidding documents, including addenda Nos.(if any),the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver(description of goods and services) in conformity with the said bidding documents for the sum as shown in the price schedules, attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods and complete the services in accordance with the delivery schedule specified in the Schedule of Requirements after fulfilling all the applicable requirements incorporated in the above referred bidding documents.

If our bid is accepted, we will provide you with performance security as per the instructions specified in GCC clause 7 and in a form acceptable to you in terms of GCC clause 7.5 for a sum equivalent to 10% (ten percent) of the contract price for the due performance of the contract.

We agree to abide by this bid validity period specified in the ITB clause 15(read with modification, if any, in the Bid Data Sheet) or for the subsequently extended period, if any, agreed to by us and it shall remain binding up on us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that your are not bound to accept the lowest or any bid you may receive.

Dated thisday of, 200

Signature

(in the capacity of)

Duly authorized to sign bid for and on behalf of

**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN
LOCATED WITHIN INDIA**

1 Schedule No.	2 Item description	3 Country of origin	4 Accounting unit & quantity	5 Ex-factory ware-house/ ex-show-room of the shelf	Excise duty if any	5 Price per unit			6 Over all unit price	7 Total price	8 Sales tax payable, if contact is awarded
						Pac-king and for-warding	Inland transp-oration	Insurance other duties and taxes if any (other			
				a	b	c	d	e	f	a+b+c+ d+e+f	3x6

Total bid price in Rupees (In figures)
(In words)

Signature of bidder
Name
Business address

Place:

Date:

Note:

- i. In case of discrepancy between unit price and total price, the unit price shall prevail.
- ii. If nothing to the contrary to this effect is mentioned under section VII (Technical Specification and Quality Control Requirements), the bidder shall give list of spare parts for two years operation separately indicating description, quantity unit price and total price in the above format for those items whose scope of supply includes spare parts as per 'Technical Specifications' given in Section VII.

PRICE SCHEULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5	6	7	8	9	10			
Price per unit												
Schedule No.	Item description	Country of origin	Accounting unit & quantity	Unit price FOB port of loading	Unit price CIF at port of entry	Inland transportation charges insurance and other local costs incidental to delivery if specified	Incidental services including super-vision	Overall unit price	Total price	Indian agent's commission as a % of FOB price included in the quoted	Indian agents name	Shipment weight and volume
				a	b	c	d	B+c+d	4x6			

Total bid price in Rupees (In figures)
(In words)

Signature of bidder
Name
Business address

Place:
Date:

Note:

- i. In case of discrepancy between unit price and total price, the unit price shall prevail.
- ii. If nothing to the contrary to this effect is mentioned under Section VII(Technical Specification and Quality Control Requirements), the bidder shall give list of spare parts for two years operation separately indicating description, quantity, unit price and total price in the above format for those items whose scope of supply includes spare parts as per 'Technical Specifications' given in Section VII.
- iii. Indian agent's commission shall be paid in Indian Rupees only. No change due to exchange variation shall be allowed.

SECTION VII/2
BANK GUARANTEE FORM FOR BID SECURITY

Where as [Name of bidder] [hereinafter called “the bidder”] has submitted his bid dated [date] for the supply of(brief description of the relevant goods and services) (hereinafter called “the bid”).

KNOW ALL PEOPLE by these presents that WE (name of the bank) having registered office at(full address) (hereinafter called “the bank”) are bound unto(name of the purchaser) (hereafter called “the purchaser”) in the sum of (amount in figures and in words) for which payment well and truly to be made to the said purchaser, the bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said bank this Day of, 20

THE CONDITIONS of this obligations are:

1. If the bidder
 - i. Withdraws its bid during the period of bid validity specified by the bider on the bid form or
 - ii. does not accept the correction of errors in accordance with the instruction to bidders.
2. If the bidder having been notified of the acceptance of its bid by the purchaser during the period of bid validity.

We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will not that the amount claimed by it is due to it, owing to the occurrence of one or both of the above mentioned two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 60(sixty) days after the period of bid validity and any demand in respect thereof should reach the bank not later than the above date.

.....
Signature of the bank
SEAL of the bank

Date
Place

**SECTION VII/3
MANUFACTURER'S AUTHORISATION FORM**

To

(Name and address of the purchaser)

Dear Sirs,

Ref. Your Bidding Documents No.

We who are established and reputable manufacturers of (name and description of the goods offered in the bid) having factories at hereby authorize Messrs..... (name and address of the agent) to submit a bid, negotiate (as and if necessary) and conclude the contract with you against your above mentioned bidding documents for the above goods manufactured by us.

No company or firm or individual other than Messrs..... (name and address of the above agent) is authorized to bid, negotiate and conclude the contract against this specific Bidding Documents for the above mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply against this Bidding Document by the above firm.

Yours faithfully,

.....
.....

[Signature, name and designation]

for and on behalf of Messrs

[Name & address of the manufacturers]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

SECTION VII/4
BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

To

.....
.....
..... (Name and address of the purchaser)

WHEREAS (name and address of the supplier)(hereinafter called “the supplier”) has taken in pursuance of contract No. dated to supply (description of goods and services) (hereinafter called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognized bank acceptable to you, for the sum specified there in as security for compliance with its (supplier’s) obligations in accordance with the contract.

AND WHEREAS we have agreed to give the supplier such a bank guarantee

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you on behalf of the supplier, upto a total of [amount of the guarantee in words and figures] such sum being payable in the types and proportions of currencies in which the contract price is payable and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or within the limits of [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We further undertake to pay you the sum so demand notwithstanding any dispute or disputes raised by the supplier in any suit or proceedings pending before any court or tribunal relating thereto liability under this present being absolute and univocal.

We also hereby waive the necessity of your demanding the said amount from the supplier before presenting us with the demand

We further agree that you shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the contract or to extend the time of performance by the supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the supplier and to forbear or enforce any of the terms and conditions relating to the contract and we shall not be relieved from our liability under this guarantee.

This guarantee shall be valid and shall remain in force until day of 20...

Dated theday of20

For
(Name of the Bank)

Signature
Name of the officer
(In Block letters)
Designation of the officer
Code No.
Name of the Bank and full address

**SECTION VII/5
CONTRACT FORM**

Address of the purchaser's office issuing the contract

Contract No.
Date

This is in continuation to this office Notification of Award No.....dated

1. Name & address of the Supplier
2. Purchaser's bidding documents No..... dated(followed by further communication No. and date, if any, from the purchaser to the supplier)
3. Supplier's bid No..... dated(followed by further communication No. and date, if any, from the supplier to the purchaser).
4. The documents, which are deemed to form and be read and construed as part of this contract are:
 - a. the Bid Form and the Price Schedule submitted by the bidder
 - b. the schedule of Requirements
 - c. the Technical Specification and Quality Control Requirements
 - d. the General Conditions of Contract; and
 - e. the purchaser's Notification of Award

Certain stipulations out of the above documents are reproduced below for ready reference. However, the words and expressions used in this contract agreement shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:

5. Details of Performance Security
6. Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under.

Schedule No.	Brief description of goods/ services	Accounting unit	Quantity to be supplied	Unit price	Total price	Delivery terms (FOB/ CIF/ Free Del. At site / CIP etc.

Total value (in figure) (in words)

7. Delivery schedule
8. Details of inspection, test and quality assurance
 - a. Designation and address of inspection
 - b. Mode(s) and place(s) of conducting inspections and tests
9. Transit insurance
10. Despatch instructions
11. Details of consignee (including port consignee if any)
12. Payment terms
13. Paying Authority
14. Warranty clause

.....
 (Signature, name and address of the purchaser's authorized functionary Signing the contract)
 For and on behalf of

Received and accepted this contract

Agreement

.....

(Signature, name and address of the supplier's authorized executive)

For and on behalf of

(Name and address of the supplier)

.....
 (seal of the supplier)

Date:

Place: