



सी एस आई आर - केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR - CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(सी.एस.आई.आर. का एक संघटक संस्थापन, भारत सरकार)

(A Constituent Establishment of CSIR, Govt. of India)

महात्मा गांधी एवेन्यू,
दुर्गापुर - 713209, भारत

Mahatma Gandhi Avenue
Durgapur - 713209, India



TENDER DOCUMENT
CSIR-CMERI

No. PUR/206/NNMT/05/2016-17
TO,

Dated: 06-01-17

Sub	High Intensive Sand Mixing Unit
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Deadline for Submission of Bids	25-01-2017 upto 2.30 P.M. IST
Date and Time for opening of Bids	25-01-2017 at 3.00 P.M. IST
Venue for opening of Bids	CSIR-CMERI, Purchase Section

Bidder requiring any clarification of this Tender Document shall contact CSIR-CMERI in writing at the address given above. CSIR-CMERI will respond in writing to any request for clarification, provided that such request is received not later than ten (10) days prior to the deadline for submission of bids.

NOTE: In case any Indian agent directly submits a bid/quotation on behalf of the foreign Principal, the said agent needs to be compulsorily enlisted with DGS&D as per the compulsory enlistment scheme of Department of Expenditure, Ministry of Finance, Government of India. Any bid submitted by Indian agents not enlisted with DGS&D shall be summarily rejected by CSIR-CMERI.


Dear Sirs,

Director, CSIR-CMERI, Durgapur-713 209, invites Sealed Bids for Supply, Installation, Testing & Commissioning of the goods described in detail as below.

Kindly, send your Sealed Bid / Quotation conforming to our Terms and Conditions mentioned hereunder.

Your sealed Bid / Quotation may be sent to reach this office immediately and in any case within **25 January, 2017 upto 2.30 pm IST. The Bids / Quotations will be opened on the same day at 3.00 pm IST.**

Sl. No.	Detailed Description and Specifications of the Goods & Services	Qty.
1.	High Intensive Sand Mixing Unit (Details as per attached Annexure- I)	01 No. Complete Set


बोधिसत्व धर / Bodhisattwa Dhar
भंडार एवं क्रय अधिकारी / Store & Purchase Officer
सी.एस.आई.आर. केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
C.S.I.R.-Central Mechanical Engineering Research Institute
दुर्गापुर - 713209 / Durgapur-713209

INTERNET : <http://www.cmeri.res.in>, CMERI Telephone Directory : <http://www.cmeri.res.in/directory>
Help Desk : +91-343-6510 702, Fax : +91-343-2548204, Administration : +91-343-6510 301 / 2544282, Fax : +91-343-2545491
Business Development Group : +91-343-6510 327, E-mail : pme@cmeri.res.in
Stores & Purchase : +91-343-6510 333 / 332, Fax : +91-343-2546586, E-mail : pur@cmeri.res.in
Working Days ; Monday – Friday, Working Hours : 09:30 – 18:00

TERMS AND CONDITIONS

In these Terms and Conditions, the following words and expressions shall have the meaning as have been respectively assigned to them :

Bidder shall mean the entity submitting an offer in response to this Tender Document.

CSIR-CMERI / Purchaser / Institute shall mean CSIR-Central Mechanical Engineering Research Institute, [a constituent unit of the Council of Scientific & Industrial Research] having its office at MG Avenue, Durgapur – 713 209 [West Bengal], India.

Vendor/Supplier shall mean the entity whose bid has been accepted by the Purchaser and a formal Purchase Order has been placed on them.

1. SUBMISSION OF BIDS

- 1.1. The bid / quotation duly signed by the Bidder or any authorized person / persons , is required to be submitted in a sealed envelope and delivered at this Institute on any working day within the deadline stipulated. Bidders shall not be permitted to withdraw / modify / alter their bids after expiry of the deadline.
- 1.2. The sealed envelope is to be properly superscribed with the Tender Document Number and addressed to the Stores & Purchase Officer, CSIR-Central Mechanical Engineering Research Institute, MG Avenue, Durgapur 713 209 [WB]. The Bids shall be opened in presence of Bidder's representatives who choose to be present on the date and time indicated in this Tender Document. The representatives should bring with them proper authorization letters issued by the Bidders with regard to their presence at the time of opening of Bids. In case the last date for receipt of bids / date for opening of bids, happens to be a closed day on account of any unforeseen event, the same shall be received / opened on the next working day at the appointed time. Late / Delayed bids / quotations shall not be opened and shall be returned to the Bidders without opening the envelope.
- 1.3. The acceptance of the quotation will rest with Director, CSIR-CMERI, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or accept, partially or all the quotations received, without assigning any reason.
- 1.4. The quotation should be complete in all respects and duly signed. Conditional bids, incomplete and unsigned bids will not be considered at all. Bids received in open condition, by e-mail / fax will be accepted at the risk of the Bidder, provided it is caused to reach us within the deadline for submission of Bids. In case, the bid is sent by e-mail, the Bidder shall ensure that the Tender Document Number is invariably mentioned in the e-mail SUBJECT, failing which, CSIR-CMERI will not be responsible for overlooking the Quotation/Bid.

2. PRICES

2.1. For Goods manufactured and Supplied from within India:

Prices shall be offered with the following break-up :

Basic Price /Ex Works	
Packing & Forwarding	
Excise Duty	NIL(for Scientific goods)
Taxes legally leviable	
Freight , Insurance and any other charges incidental to delivery of Goods at CSIR-CMERI, Durgapur	
Charges for Installation, Commissioning and Training if applicable	
Charges for Warranty Support	

2.2. For Goods manufactured and Supplied from outside India :

Prices shall be offered with the following break -up:

Ex Works Price [inclusive of packing]	
Inland Freight and Insurance till airport of despatch	
Freight And Insurance for transportation of the Goods from Port of Despatch to Port of destination	
Charges for Installation, Commissioning and Training if applicable	
Charges for warranty support	
<i>Note : Delivery Terms such as FOB, FCA, EXW,CIP,CIF etc. shall be governed by the rules prescribed in the latest edition of INCOTERMS issued by the International Chamber of Commerce, Paris.</i>	

- 2.3. Where there is no mention of packing, forwarding, freight, insurance charges, taxes etc. such offer shall be rejected as incomplete.
- 2.4. The price quoted shall remain fixed during the contract period and shall not vary on any account.
- 2.5. A Price Schedule Form is attached with this Tender Document. All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.
- 2.6. The purchases made by this Institute, for scientific purpose are exempt from payment of Excise Duty vide Govt. of India Notification No. 10/97-Excise dated 01/03/1997. Customs Duty for Goods imported for Scientific Purpose, is paid by this Institute at a concessional rate vide Govt. of India Notification no. 51/96-Customs dated 22/07/1996.
- 2.7. CSIR-CMERI is not empowered to issue any Sales Tax Concessional Certificates [FORM C / FORM D]; thus Bidders shall ensure that the normal rate of Sales Tax is quoted wherever applicable.
- 2.8. Purchaser shall not issue Exemption Certificates (Customs Duty Exemption Certificate/Excise Duty Exemption Certificate) for any raw materials/ intermediate products that go into the manufacture of the goods offered by Bidder.
- 2.9. In case optional items are specified in the tendered specifications, the Purchaser reserves the right to buy or not to buy the optional items. In case the option is exercised to buy the optional items after Bid opening, then the cost of optional items would be included to ascertain the Lowest Evaluated Responsive Bid. In case, the option is exercised not to buy the optional items, then the cost of the optional items would not be included in ascertaining the Lowest Evaluated Responsive Bid.

NOTE: Bidders not quoting the optional items entail the risk of their offer being summarily ignored in the event of the Purchaser deciding to buy the optional items after Bid opening.

3. PAYMENT

3.1. For Supplies made from within India :

- 3.1.1. Payment shall be made within 30 days of completion of installation and commissioning of the goods to the complete satisfaction of the User Division of CSIR-CMERI and completion of other contractual obligations.

3.2. For Supplies made from outside India :

- 3.2.1. An irrevocable Letter of Credit [L/C] shall be opened in favour of the overseas vendor. In case the L/C is required to be confirmed, confirmation charges shall have to be borne by the vendor. The payment will be released in the following two stages :

Stage I: 90% payment shall be made against presentation of shipping documents as stipulated in the L/C.

Stage II : Balance payment shall be made against presentation of Certificate issued by this Institute [CSIR-CMERI], evidencing that the ordered goods have been installed and commissioned to the complete satisfaction of the User Division of CSIR-CMERI and that all other contractual obligations have been fulfilled by the vendor.

- 3.2.2. All bank charges within India shall be borne by CSIR-CMERI and all bank charges outside India shall be borne by vendor.

- 3.3. Advance Payment: In case Bidder seeks advance payment, a Bank Guarantee [BG] of an equivalent value shall have to be furnished in the prescribed format. The BG shall have to be issued by any Nationalised / Scheduled bank of India and shall remain valid till delivery / commissioning of the equipment. In case, the BG is issued by any foreign bank / overseas bank, the same will have to be counter guaranteed by any Nationalised/Scheduled bank of India.

4. DELIVERY

- 4.1. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by CSIR-CMERI in the Purchase Order. If, at any time during performance of the Contract / Purchase Order, the Supplier encounters conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify CSIR-CMERI in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, CSIR-CMERI shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Purchase Order / Contract.

- 4.2. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty/ Liquidated Damages Clause as detailed below, unless an extension of time is agreed upon without the application of penalty clause.

5. LIQUIDATED DAMAGES

- 5.1. If the Supplier fails to deliver the ordered material (s) within the delivery schedule as agreed upon, a sum equivalent to 1 (one) per cent of the delivered price of the delayed goods or unperformed services or Purchase Order value for each week of delay or part thereof until actual delivery or performance, will be deducted from the order value as liquidated damages, subject to a maximum deduction of 10 (ten) per cent of the order value. And, on attainment of maximum, termination of the contract may be considered by CSIR-CMERI.

6. RISK PURCHASE

- 6.1. If the supplier fails to deliver the ordered material(s) within the maximum delivery period specified in the purchase order, CSIR-CMERI may procure such item(s) and in such a manner as deemed appropriate, goods or services similar to those undelivered and the supplier will be liable to the institute for any excess costs for such similar goods or services.

7. INDIAN AGENT

- 7.1. In case any Indian agent directly submits a bid/quotation on behalf of the foreign Principal, the said agent needs to be compulsorily enlisted with DGS&D as per the compulsory enlistment scheme of Department of Expenditure, Ministry of Finance, Government of India. Any bid submitted by Indian agents not enlisted with DGS&D shall be summarily rejected by CSIR-CMERI.
- 7.2. In case an Indian Agent is directly submitting a bid on behalf of its Principals, a copy of the Authorisation Certificate issued by the Principals in favour of the Indian agent should be furnished along with a copy of the Agency Agreement Certificate. Both these certificates should be up-to-date and valid.
- 7.3. Agency Commission, if any, payable to the Indian agent will be released within 60 (sixty) days of completion of installation and commissioning of the equipment to the entire satisfaction of the buyer. For determining the value of agency commission, exchange rate of foreign currency prevailing on the date of negotiation of documents, will be taken into consideration.
- 7.4. In a tender either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
- 7.5. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

8. INSTALLATION, COMMISSIONING

- 8.1. The ordered goods are required to be installed within 30 days of receipt of goods at this Institute. Installation should be carried out only by factory trained engineers of Supplier / Manufacturer at CSIR-CMERI, Durgapur.

9. WARRANTY

- 9.1. Comprehensive warranty of one (1) year must be provided for complete set to be effective from the date of completion of installation and commissioning and final acceptance of the equipment at the user's laboratory.

10. COUNTRY OF ORIGIN

- 10.1. Tenderer should mention the country of origin and the country from which goods will be finally shipped, for these particulars are essential for establishment of L/C, arranging insurance etc. Certificate of Origin issued by the Local Chamber of Commerce shall be required to be submitted at the time of negotiating the L/Credit, in case payment is made by L/Credit.

11. VALIDITY OF BIDS

- 11.1. The offer should be valid for at least 90 days from the date of opening of Bids/Quotation.

12. LIST OF PURCHASERS

- 12.1. Please indicate names and addresses of organisations to whom you have supplied identical or similar type of equipment during the last 3 years along with the details of such supplies and prices eventually or finally paid.

13. EVALUATION OF BIDS

- 13.1. All the bids / tenders/ quotations received will first be scrutinized to see whether the bids / tenders meet the basic requirements as incorporated in the Tender Document. The bids/tenders, which do not meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny:

- a) The Bid is unsigned.
- b) The Bidder is not eligible.
- c) The Bid validity is shorter than the required period.
- d) The Bidder has quoted for goods manufactured by a different firm without the required authority letter from the proposed manufacturer.
- e) The goods quoted are sub-standard, not meeting the required specification etc.
- f) Against the requirement (incorporated in the Tender Document), the bidder/tenderer has not quoted for the entire requirement as specified.
- g) The Bidder / Tenderer has not agreed to some essential condition(s) incorporated in the Tender Document.
- h) The Bidder has not offered prices in the manner indicated at Clause 2 of this Tender Document.
- i) DGS&D Enlistment Certificate not furnished by Indian agent.

- 13.2. Prior to the detailed evaluation, CSIR-CMERI will determine the substantial responsiveness of each bid to the Tender Document. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without any deviations, reservations or omissions.

- 13.3. During the course of evaluation, CSIR-CMERI may, at its discretion ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

- 13.4. The bids which are found to be substantially responsive to the terms of this Tender Document shall be evaluated on the basis of final landing cost which shall be arrived as under:

For goods manufactured in India.

- (i) The Price of the goods quoted ex-works including, all taxes already paid.
- (ii) VAT and other taxes like excise duty etc, which will be payable on the goods if the contract is awarded.
- (iii) Charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination.
- (iv) The installation, commissioning and training charges including incidental services, if any.

For goods manufactured abroad

- (i) The price of the goods, quoted on FCA (named place of delivery abroad) or FOB(named port of shipment), as specified in the bidding document.
- (ii) The charges for insurance and transportation of the goods to the port / place of destination.
- (iii) The agency commission etc., if any.
- (iv) The installation, commissioning and training charges including incidental services, if any.

- 13.5. The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF / CIP basis respectively. However, the CIF / CIP prices quoted by any foreign bidder shall be loaded further as under.

- (i) Towards customs duty and other statutory levies – as per applicable rates.
- (ii) Towards custom clearance, inland transportation etc. – 2 % of the CIF / CIP value.

- 13.6 The Purchase Order/Contract shall be awarded to the lowest evaluated responsive(L-1) bidder. **The L-1 Bidder shall be determined on overall lowest price basis(for all the 3 units taken together).**

14. The quotations are liable to be rejected if any of the above conditions are not complied with. Conditional Bids / Incomplete Bids / Unsolicited Bids / Unsigned Bids shall not be accepted.

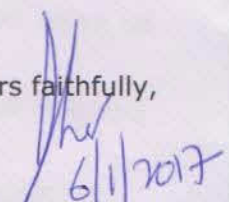
15. SETTLEMENT OF DISPUTES AND ARBITRATION

- 15.1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Purchase Order / Contract. If, after twenty-one (21) 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 this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 15.2. Disputes or differences shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director General, Council of Scientific & Industrial Research and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- 15.3. In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of Clause 15.2. above. But if this is not acceptable to the Supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission.
- 15.4. The venue of the arbitration shall be the place from where the purchase order or contract is issued.
- 15.5. Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall pay the Supplier any monies due the Supplier.

16. APPLICABLE LAW

- 16.1. The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to a court of competent jurisdiction in Durgapur, West Bengal, India.
17. Wherever deemed necessary, Bidder shall be at liberty to question the Bidding Document, Bidding process and rejection of its Bid.

Yours faithfully,


6/1/2017
Bodhisattwa Dhar
Stores & Purchase Officer

PRICE SCHEDULE FORM

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM OUTSIDE INDIA

Name of the Bidder _____ TENDER No. _____

1	2	3	4	5	6*		7*		8*	9*
Sl.	Item	Country		Quantity	Unit price		Total price		Charges for	Total price
No.	Description	of origin	Unit				(5x6)		Insurance &	(7+8)
					FOB (named port of shipment)	FCA (named place of delivery)	FOB (named port of shipment)	FCA (named place of delivery)	transportation to port//place of destination Ocean Air	CIF

- Note:** Total Bid price in foreign currency (in words) _____
 Total Bid price in foreign currency (in words) _____
- (a) Indian agents name & address _____.
 - (b) Installation, commissioning & training charges, if any _____.
 - (c) Cost of Spares _____.
 - (d) The Indian agent's commission shall be paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents .
 - (e) **The cost of optional items shall be indicated separately.**

Signature of Bidder/Name/ Business Address

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

Name of the Bidder _____ Tender No. _____

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of origin	Unit	Quantity	Ex-Works. Ex-warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	Total price Ex-Works. Ex -warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6	VAT & other taxes like excise duty payable, if contract is awarded	Packing & for warding up to station of dispatch, if any	Charges for inland transportation, insurance up to Lab./Instt.	Installation, Commissioning And training Charges, If any

Total Bid price in Indian currency (in words) _____
 Total Bid price in Indian currency (in figures) _____

- (a) The Cost of Spares -----
 (b) **Cost of Optional Items shall be indicated separately**

Signature of Bidder/Name/Business Address _____

ANNEXURE-I :

Page 1 of 2

(HIGH INTENSIVE SAND MIXING UNIT TECHNICAL DETAILS)**01. ROTARY POLYGONAL ENCLOSED SAND SHEAVE (01 NOS.):**

Sl. No.	Item Description	Capacity (Range)
01.	Capacity	0.5-1 ton / hour.
02.	Type	Rotary polygonal Type with fully enclosed & cover casing.
03.	Power supply	220V/ 440V
04.	RPM	As compliance with the standard m/c model.
05.	Sheaving material	Fresh sand & foundry return sand.
06.	Loading Type	Manual loading without skip chargers etc.
07.	Mesh Size:	6 m.m. approx.
08.	Mesh Material	304 SS or equivalent standard material.
09.	Sand loading Position	From top /Side by crane bucket arrangement.
10.	Dust collection arrangement	Dust extraction arrangement is made on the top to get free from pollution.
11.	Sieve sand out put position	On a 100 kg. capacity bucket placed on the floor

02. HIGH INTENSIVE GREEN SAND MIXER (01 NOS.):

Sl. No.	Item Description	Capacity (Range)
01.	Capacity	50-150 Kg./batch.
02.	Type	Rotary polygonal Type with fully enclosed & cover casing.
03.	Power supply	220VAC
04.	Operation	With semi automatic control panel Pneumatic operated discharge door & batch hopper
05.	Rotor drive power	V-belt connected with pulley and least vibration.
06.	Loading Type	Top/Front loading from crane ,with or without hopper.
07.	Water pump	Not required it will be added manually.
08.	Shell dia.	1250 m.m.
09.	Shell height	850 m.m.
10.	Mixing motor& blades	S-Type blade with carbide tipped & brazed.at least 10HP
11.	Blending Motor& blades	At least 6HP
12.	Scrapper	2 nos. double s type scrapper.
13.	Door	side open Type


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C.S.I.R.-Central Mechanical Engineering Research Institute
दुर्गापुर-७१३२०९ / Durgapur-713209

ANNEXURE-I :

3. Super mixer for No-bake processes (01 NOS.):

Sl. No.	Item Description	Capacity (Range)
01.	Capacity	Min. 30 kg. /batch.
02.	Type	Semiautomatic type control panel.canbe used for resin/ CO ₂ sand mixing also.
03.	Power supply	220VAC/440V AC
04.	Operation	With semi automatic control panel Pneumatic operated discharge door & batch hopper
05.	Rotor drive power	Min. 4 HP
06.	Loading Type	Top/Front loading from crane ,with or without hopper.
07.	Binder dozing	Auto dozing of the chemical by feed pumps comprising both resin & hardener.
08.	Shell dia.	1250 m.m.(approx.)
09.	Shell height	850 m.m. .(approx.)


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