



**EXPRESSION OF INTEREST (EOI) FOR THE FABRICATION OF A PROTOTYPE
LARGE-SCALE SOLAR REACTOR, WHICH SHOULD BE DEVELOPED FOR
SIMULTANEOUS PHOTOCATALYTIC GENERATION OF HYDROGEN AND FINE
CHEMICALS IN NATURAL SUNLIGHT**

Name of the project	Fabrication of a prototype large-scale solar reactor, which should be developed for simultaneous photocatalytic generation of hydrogen and fine chemicals in natural sunlight.
Location	Institute of Nano Science and Technology, Habitat Centre, Phase 10, SAS Nagar, Mohali - 160062
Name of Authority	Director, INST
Eligible EPC firms	<i>EPC firms having similar experience (at least 03 projects) in design, development, construction and management of fabrication of a prototype large-scale solar reactor, which should be developed for simultaneous photocatalytic generation of HYDROGEN and fine chemicals in natural sunlight.</i>
Date of Submission of EOI and opening	03 rd April 2019 upto 2.00PM/ same day at 3.00PM
Email	kamal@inst.ac.in ; kkamal17@gmail.com ; purchase@inst.ac.in
Selection Process	<i>Stage 1: Expression of Interest (EOI); Stage 2: Bid proposal submission;</i>
Contents of the EOI	<ol style="list-style-type: none">1. Cover Letter2. Description of the EOI firm/Lead Applicant3. Details of Representative from Applicant4. Technical Credentials of the Applicant and/or consortium5. Financial Credentials of the Applicant and/or consortium

INSTITUTE OF NANO SCIENCE AND TECHNOLOGY, MOHALI

(An autonomous Research Institute of Department of Science and Technology,
Government of India)



Habitat Centre, Sec-64, Phase X, Mohali – 160062, PUNJAB
Phone No: 0172 – 2210056/57/73/75, Fax No: 0172 – 2211074
Website: www.inst.ac.in

(To be on the Applicant/Lead Member's Letter Head)

To,

The Director
Institute of Nano Science and Technology
Habitat Centre, Phase 10
Sector 64, SAS Nagar
Mohali – 160062
Tel: 0172 – 2210056/57/73/75

Subject: Submission of Expression of Interest for the fabrication of a prototype large-scale solar reactor, which should be developed for simultaneous photocatalytic generation of HYDROGEN and fine chemicals in natural sunlight.

Sir,

In response to the Invitation for Expressions of Interest published on 08/03/2019 for the fabrication of a prototype large-scale solar reactor, which should be developed for simultaneous photocatalytic generation of hydrogen and fine chemicals in natural sunlight, we _____ (hereby referred as Applicant) would like to express our interest to undertake the EPC activities as mentioned in the notification. As instructed, we have enclosed all the necessary documents, as per the guidelines/format provided, for your information and records.

Thank You

Sincerely,

(Signature)

Name & Designation:

Seal:



Description of the Lead Applicant

1. Name of the Organization:
2. Head Office Address:
3. Name & Designation of the Concerned Officer to be referred for communication:
4. Contact No. :
5. Email ID:
6. Head of the Organization:
 - a. Name:
 - b. Contact No:
 - c. Email ID:
7. Type of Organization:
8. Main Areas of Business:
9. Total no. of Employees:
10. Branch Offices/Headquarters and their Address:
11. Subsidiary and associated companies (*wherever applicable*): (Details in the following format to be provided for all associates) –
 - a. Name of the Company
 - b. Address of the company
 - c. Nature of Business
 - d. Brief description of company (not more than 100 words) – use separate sheet
 - e. Website

12. Any other information the bidder would like to include:

Place:

Name & Signature:

Date:

Designation:

Company Seal

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Details of Representative from Applicant/Lead Member of Consortium

Name of the company/firm	
Name of the employee:	
Date of Birth (DD/MM/YYYY):	
Duration of work experience with the Company/Firm (in years):	
Nationality	
Current designation, with details of responsibilities assigned at the firm:	
Summary of relevant experience:	
Certification: I, the undersigned, certify that the above provided data is correct and confirm my availability to the firm for the proposed work should it be awarded to the firm.	
[Signature of employee]	Date:
Full Name of the employee	
[Signature of authority]	Date:
Full Name of the authority	

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TECHNICAL CREDENTIALS OF THE APPLICANT

Details of the work and services of the fabrication of a prototype large-scale solar reactor, which should have been developed for simultaneous photocatalytic generation of HYDROGEN and fine chemicals in natural sunlight undertaken by the applicant (including the on-going projects)

Sl. No.	Name of the Project	Name of the Customer	Scope of work	Duration of Contract			Contract price (Rs. Lakhs)	Remarks
				Start date	Completion date	Performance test date		
1								
2								
3								
4								
5								
6								
7								
8								
9								

* use additional sheets if required



FINANCIAL CREDENTIALS OF THE APPLICANT

The bidder is required to indicate the annual turnover and net present worth of the company from last 5 years based on the audited balance sheet/financial statement.

Financial Year	Annual Turnover	Net Present Worth
2013-14		
2014-15		
2015-16		
2016-17		
2017-18		

Integrity Pact

1. As per the directives of the Central Vigilance Commission all government departments / organizations / institutes have to adopt an Integrity Pact (IP) to ensure transparency, equity and competitiveness in major public procurement activities. The integrity pact envisages an agreement between the prospective bidders/vendors with the buyer committing the persons/officials of both the parties with the aim not to exercise any corrupt influence on any aspect of the contract. Only those bidders/vendors who are willing to enter in to such an integrity pact with the purchaser would be competent to participate in the bidding.
2. Integrity Pact also envisages Panel of Independent External Monitors (IEMs) which shall be provided/recommended by INST/its labs and institutes with the approval of by CVC.
3. The integrity pact would be effective from the date of invitation of bids till complete execution of the contract.
4. The model format of integrity pact (IP) is at Annexure - 1.



ANNEXURE – 1

Format of the Integrity Pact

INTEGRITY PACT

Between

Institute of Nano Science and Technology (INST) hereinafter referred to as “The Principal”.

Andherein referred to as “The Bidder / Contractor.”

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for.....The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s)



confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

- (c) The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

(a) The Bidder(s)/Contractor(s) will not, directly or through any other Person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, Certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the



Bidder(s)//Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the “Guidelines on Indian Agents of Foreign Suppliers” shall be disclosed by the Bidder(s)/Contractor(s).

Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the “Guidelines on Indian Agents of Foreign Suppliers” is annexed and marked as Annexure.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The bidder shall have no right to claim any rights towards the end product developed by the principal (INST, Mohali) in this contract. One self-declaration on the company’s letterhead duly signed by the authorised signatory of the firm is required to be submitted along with the EOI document.

Section 3 – Disqualification from tender process and exclusion from future Contracts

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the “Guidelines on Banning of business dealings”. Copy of the “Guidelines on Banning of business dealings” is annexed and marked as Annex -“B”.

Section 4 – Compensation for Damages

(1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to



demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

(1) The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other Company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings”.

Section 6 – Equal treatment of all Bidders/Contractors/Sub-contractors

(1) The Bidder(s)/Contractor(s) undertake(s) to demand from all Subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.

(3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidders/Contractors/Sub contractors

(1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the THE DIRECTOR, INST. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without



restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.

(4) The principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

(5) As soon as the Monitor notice, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(6) The Monitor will submit a written report to the THE DIRECTOR, INST within 30 days from the date of reference or intimation to him by the Principal and should the occasion arise, submit proposals for correcting problematic situations.

(7) Monitor shall be entitled to compensation on the same terms as being extended to/provided to Director, INST.

(8) If the Monitor has reported to the THE DIRECTOR, INST, a substantiated suspicion of an offence under relevant IPC/PC Act, and the THE DIRECTOR, INST has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(9) The word 'Monitor' would include both singular and plural.



Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 10 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by THE DIRECTOR, INST.

Section 10 – Other provisions

(1) This agreement is subject to Indian Law. Place of performance and Jurisdiction is the Registered Office of the Principal, i.e. Mohali, Punjab.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & On behalf of the Principal)

(Office Seal)

(For & On behalf of Bidder/Contractor)

(Office Seal)

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Place.....

Place.....

Date.....

Date.....

Witness 1:

(Name & Address): _____

Witness 2:

(Name & Address): _____
