

भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA
Bihta, Patna - 801106, Bihar, India

NOTICE INVITING QUOTATION

NIQ No- **IITP/IWD/Elect/RS/NIQ-10/2018-19**

Date- 03.09.2018

To,

Name of work- Supply of Solar Water heating system with electric backup at Girl's Hostel in IIT Patna.

Tender Fee:-	Rs 500/-	
EMD Cost:-	Rs 17,760/-	
Last date of Submission:-	17.09.2018	3.00PM
Technical Bid Opening date:-	17.09.2018	3.30PM

The Registrar, Indian Institute of Technology Patna invites quotations from the reputed, resourceful and experienced Firms/ Contractors/ Manufacturer who fulfill eligibility criteria of Tender Document for 'Supply of Solar Water heating system with electric backup at Girl's Hostel in IIT Patna' as details at ANNEXURE – I&II, in Two bid system (Technical bid & Financial bid) as indicated. Technical bid & Financial bid should be in separate sealed cover envelope and to be placed in single outer Envelope, are hereby invited to reach the undersigned on or before 17.09.2018. Any corrigendum (if needed) will be released on IIT Patna Website only.

- Quotation will be available at Institute Website- www.iitp.ac.in and also on notice board at IWD, 3rd Floor, Admin Block.
- Sealed Tender Document to be dropped at :- IWD Tender Box, Ground floor , Admin building Left side, IIT Patna.

Presentation of Bid:

01. Address of the firms submitting the quotation and the Officer, to whom the quotation is addressed, must appear distinctly on the sealed cover as under.

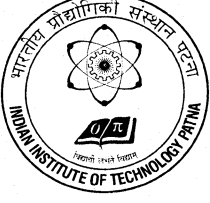
The following must be clearly written on the outer sealed cover:

Quotation for Supply of Solar Water heating system with electric backup at
Girl's Hostel in IIT Patna
NIQ REF NO: **IITP/IWD/Elect/RS/NIQ-10/2018-19** DATED 03.09.2018,
LAST DATE FOR SUBMISSION 17.09.2018

To,
The Registrar
Institute Works Department(IWD)
Indian Institute of Technology Patna
Amhara Road, Bihta,
Patna - 801106, Bihar, INDIA

From: M/s _____
Address: _____
Contact No.: _____
Email ID: _____

Handwritten signature



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Technical bid should includes following-

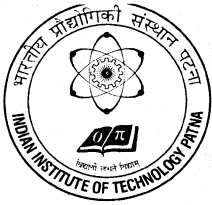
1. **Tender Fee of Rs 500/-**
2. **EMD Cost of Rs17,760/-**
3. **GST Certificate**
4. **PAN Card**
5. **Signed Specification Compliance Sheet as per Annex-II**
6. **OEM Authorization certificate**

Price bid (in separate envelope)should includes following-

1. **As per ANNEXURE-III**

Terms & Conditions:

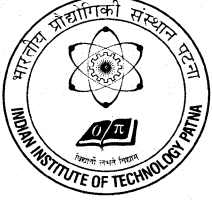
01. **Rates:** Rates quoted for each items must be FOR IIT Patna, on DOOR DELIVERY Basis, with break ups as per details below
Break-ups of cost:
(a) Basic Price
(b) (+) GST (on sub-total price)
© (+) Freight & Insurance charge, if any
(d) Grand Total F.O.R. IIT Patna, Price
02. **Validity :** Quoted rates must valid for 90 days.
03. **Warranty/Guarantee:** 1 Year on site warranty/guarantee and extra warranty as per Manufacture. Agency has to rectify any defect free of cost during warranty period.
04. **Defect Liability Period:-** The DLP of 1 year will start from the date of complete handing over of the system. During this DLP any malfunction or failure of any part of system, agency will rectify free of cost. Also during handing over agency will provide 15 days hands on training to our operator for complete knowledge of the system.
05. **EMD: Rs. 17,760/-** in form of DD in favour of '**Registrar, IIT Patna**'.
06. **Delivery:** Unless otherwise stated delivery of goods at IIT Patna, will have to be maximum within 4 Weeks from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the vendor.
07. The Agency, whose tender is accepted, will be required to furnish performance guarantee of 10 % (Five Percent) of the tendered amount within the specified period. This guarantee shall be in the form Banker's cheque of any scheduled bank / Demand draft of any scheduled bank / Pay order of any scheduled bank/ Bank Guarantee of any scheduled bank.
08. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary



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information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

09. The competent authority on behalf of Board of Governors, IIT Patna does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without assigning any reason. All tenders in which any of prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
10. The EMD will be returned to unsuccessful bidder after the award of works. No interest will be claimed thereon.
11. **GST Certificates:** Agency should have GST certificate.
12. **Products:** New stock of materials only can be accepted. Old stock materials cannot be accepted in any case. Agency should supply sample of each items if asked.
13. Agency should have clear their any enquiry before quoting the rates. Afterwards no question will be entertained. IIT decision will be the final decision.
14. **Late and delayed quotation:** Late and delayed NIQ will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.
15. **Ground for Rejection of Quotation:** The quotations are liable to be rejected if the fore going conditions are not complied with. The quotation should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
16. **Payment:** Payment will be made within 30 days from the date of successful delivery and acceptance of goods at IIT Patna, generally through RTGS / FUND TRANSFER. Following information must be clearly written in the quotation for RTGS / FUND TRANSFER: -
 - (a) Name of the Firm with complete postal address
 - (b) Name of the Bank with Branch where the Account exist
 - (c) IFSC CODE
 - (d) ACCOUNT No
 - (e) PAN No
 - (f) GST No
17. **Excise Duty:** The Institute is exempted from payment of Central Excise Duty vide GOI Notification No.10/97-Central Excise, dated 01.03.97 with Regn No.TU/V/RG-CDE(1081)/2009, dated 15.04.2009.
18. Agency should deliver all the materials in good condition within stipulated period. If agency will not supply any of the items in BOQ, EMD will be forfeited.

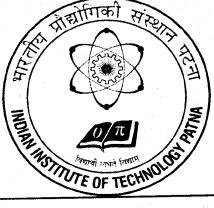


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19. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this institute to recover liquidated damages from the firm at the rate of 1% per week of the order value subject to a maximum of 10% of the order value. It will also be open to this institute alternatively, to arrange procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order according to stipulated agreed upon.
20. **Termination for default:** Default is said to have occurred
- (a) If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by IIT Patna.
- (b) If the supplier fails to perform any other obligation(s) under the contract.
- (c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from IIT (or takes longer period in spite of what IIT may authorize in writing), IIT may terminate the contract / purchase order in whole or in part. In addition to above, IIT may at its discretion also take the following actions: IIT may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate IIT for any extra expenditure involved towards goods and services to complete the scope of.
21. **Applicable Law**
- (a) The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
- (b) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Patna, India only.
- (c) Any dispute arising out of this purchase shall be referred to the Registrar IIT Patna, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.
22. The acceptance of the quotation will rest solely with the Registrar, IITP, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.
23. Important:- The Director may accept or reject any or all the bids in part or in full without assigning any reason and doesn't bind himself to accept the lower bid. The institute at its discretion may change the quantity / upgrade the criteria / drop any item or thereof at any time before placing the Purchase Order.

Enclosed: ANNEXURE- I, II, III

U.S.P.
Registrar
23/5/18
By *[Signature]*
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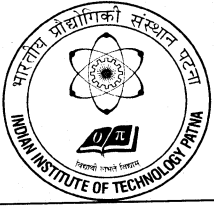


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ANNEXURE- I

LIST OF APPROVED MAKES.

1.	Solar Water Heater System	1. Honeywell 2. Racold 3. Sudarshan Saur Shakti 4. MV Solar
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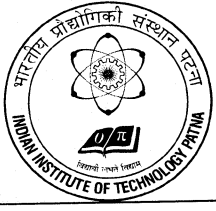


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ANNEXURE- II

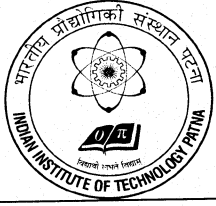
Specification Compliance Sheet

S. No.	Specification	QTY	Compliance	Remarks
			(Yes/No)	
1)	Solar Water Heater System (ETC-Type glass line technology) System capacity: 2000 LPD(500 LPD x 04Nos).	2 Set		
a	Product should be 2000 LPD (500LPDx 4Nos) Glass lined Technology Integrated system			
b	HOT WATER STORAGE TANK & SUPPORT STRUCTURE- System Capacity 500 Ltr.			
c	Tank capacity 500 Ltr.			
d	No. of Tubes 34 Nos or more			
e	Total absorber area in sq mtr 6.5 sq			
f	Shape of Tank -Capsule shape Dish end type			
g	Type of Tank Horizontal Tank Material Special Grade steel Tank coating Glass lined non Stick			
h	Thickness of Tank (Minimum) 2.0 mm			
i	Insulation material CFC Free Puf Density of insulation 38 to 42 kg / cubic meter.			
j	Insulation Thickness 50 mm(or more			
k	Waterproof cladding Material UV stabilized Pure Polyester Pre-Coated GI Cover			
l	Thickness of cladding material 0.35 mm			
m	System Working Pressure 0.3 Kg / Cm ²			



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n	Internal Circulation Thermo-Siphon			
o	Outer Sealing EPDM Grommet			
p	Base Material of Support Structure- Galvanized iron.			
q	Base Material of Coating Duplex coated GI (UV stabilized pure polyester powder coating).			
r	<p>Evacuated Tube Collector Specification(ETC)</p> <p>1. Tube Specifications OD 58 mm X Length 2100 mm</p> <p>2. Vacuum Tube Material- Borosilicate Glass</p> <p>3. Absorber Coating AlN/SS- AlN/CuThree layer Coating</p> <p>4. Absorptivity > 92%</p> <p>5. Stagnation Temperature > 200 C</p> <p>6.Weight of Single Tube (Approx.) 2.3 Kg</p> <p>7.Glass Thickness 1.6 mm</p> <p>MAKE :Honeywell / Racold / Sudarshan Saur Shakti / MV Solar</p>			
2	Hot (insulated pipe) & Cold Water Piping All hot water pipes of required diameter of ERW heavy class GI pipes confirming to IS 1239 complete with all necessary fittings including Tees, elbows, reducers, unions, rubber gaskets etc. along with rockwool insulation with 100 kg/cum density, Al cladding of 24 G thickness, GI fanges etc.	2 Set		
3	Electrical Back Up Heating element (3 kW x 4 Nos) with thermostate	2 Set		



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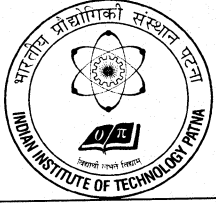
ANNEXURE- III

NIQ FORMAT (PRICE BID)

Reference No: - IITP/IWD/Elect/RS/NIQ-10/2018-19

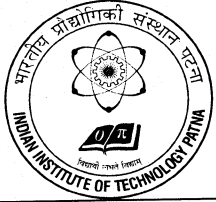
Date: 03.09.2018

Sl.	Item description	Unit	Qty.	Unit Rate (Rs.)	Amount (Rs.)
1	<p>Supply of Solar Water Heater System (ETC- Type glass line technology) System capacity: 2000 LPD(500 LPD x 04Nos). Technical Specification as given below:-</p> <p>A) System specification 1) Product should be 2000 LPD (500LPDx 4Nos) Glass lined Technology Integrated system 2) Specification HOT WATER STORAGE TANK & SUPPORT STRUCTURE System Capacity 500Ltr. 3) Tank capacity 500. 4)No. of Tubes 34 Nos or more 5)Total absorber area in sq mtr 6.5 sq mtr 6) Shape of Tank -Capsule shape Dish end type 7) Type of Tank Horizontal Tank Material Special Grade steel Tank coating Glass lined non Stick. 8) Thickness of Tank (Minimum) 2.0 mm . 9) Insulation material CFC Free Puf Density of insulation 38 to 42 kg / cubic meter. 10.) Insulation Thickness 50 mm(or more. 11) Waterproof cladding Material UV stabilized Pure Polyester Pre-Coated GI Cover. 12)Thickness of cladding material 0.35 mm 13) System Working Pressure 0.3 Kg / Cm². 14) Internal Circulation Thermo-Siphon</p>	Set	2		



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	<p>15) Outer Sealing EPDM Grommet</p> <p>16) Base Material of Support Structure Galvanized iron.</p> <p>17) Base Material of Coating Duplex coated GI (UV stabilized pure polyester powder coating).</p> <p>B) Evacuated Tube Collector Specification(ETC)</p> <p>1. Tube Specifications OD 58 mm X Length 2100 mm</p> <p>2. Vacuum Tube Material- Borosilicate Glass</p> <p>3. Absorber Coating AlN/SS-AlN/CuThree layer Coating</p> <p>4. Absorptivity > 92%</p> <p>5. Stagnation Temperature > 200 0 C</p> <p>6.Weight of Single Tube (Approx.) 2.3 Kg</p> <p>7.Glass Thickness 1.6 mm</p> <p>8.MAKE :Honeywell / Racold / Sudarshan Saur Shakti / MV Solar</p>				
2	<p>Supply and fixing Hot (insulated pipe) & Cold Water Piping. All hot water pipes of required diameter of ERW heavy class GI pipes confirming to IS 1239 complete with all necessary fittings including Tees, elbows, reducers, unions, rubber gaskets etc. along with rockwool insulation with 100 kg/cum density, Al cladding of 24 G thickness, GI fanges etc. complete in all respect & as per directions of Engineer in-charge.</p>	Set	2		
3	<p>Electrical Back Up Heating element (3 kW x 4 Nos) with thermostate.</p>	Set	2		
4	<p>Civil Work including Plumbing, Lifting & fitting complete work and rectify all the damages</p>	Set	2		



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5	Complete system Installation, Testing & Commissioning Cost	Set	2		
Total Amount =					

Total bid price should be inclusive of GST or any kind of tax , F.O.R. IIT Patna Bihta Campus for the above quoted items is Rs.....

Completion Period: Within 4 Weeks from the date of issue of the Purchase Order.

Validity: Minimum 90 days from the date of opening of NIQ.

Signature: _____
Name: _____
Business Address: _____
Email: _____
Contact No: _____

Affix Rubber Stamp

Place:
Date:

PI