



राष्ट्रीय सीमा शुल्क, उत्पाद शुल्क एवं नार्कोटिक्स अकादमी

क्षेत्रीय प्रशिक्षण संस्थान,

**NATIONAL ACADEMY OF CUSTOMS, EXCISE & NARCOTICS,
REGIONAL TRAINING INSTITUTE,**

No.40, HMT Factory Main Road,

Next to HMT School, Jalahalli,

Bengaluru-560 013

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LIMITED TENDER NOTICE NO.08 /2017

Sealed bids are invited from reputed/established Vendors for procurement, installation and commissioning of Hybrid Water Heater Plant i.e. combination of Solar Water Heater & Heat Pump Water Heater in the hostel block of the National Academy of Customs, Excise & Narcotics (NACEN), RTI, Bengaluru having its office at No.40, HMT factory Main Road, Next to HMT School, Jalahalli, Bengaluru-560 013.

Terms and conditions of the tender are enclosed as Annexure-I.

Interested vendors may submit their bids in two parts i.e. the Technical and Financial bid separately in a sealed cover superscribing "Bid for procurement, installation and commissioning of Hybrid Water Heater i.e. combination of Solar Water Heater & Heat Pump Water Heater at NACEN, Bengaluru" and it may be addressed to the Principal Additional Director General, NACEN.

The technical specifications of the products to be installed are mentioned in Annexure-II.

The Bids should reach this office on or before 3 P.M. on 12.5.2017. Bids received after due date shall be rejected.

The date and time of opening of the bids will be intimated to the bidders well in advance. The Bids will be opened in the presence of representative of the bidders, if they make themselves available at that time.

Tender forms are available at the following websites:

www.cbec.gov.in

www.nacen.gov.in

www.centralexcisebangalore.gov.in

(D.P.NAGENDRA KUMAR)

PRINCIPAL ADDITIONAL DIRECTOR GENERAL

ANNEXURE-I
(TERMS AND CONDITIONS)

I) GENERAL TERMS AND CONDITIONS:

- 1) National Academy of Customs, Excise & Narcotics, RTI, Bengaluru having its office at No.40, HMT factory Main Road, Next to HMT School, Jalahalli, Bengaluru-560 013. The Complex consists of three blocks viz: Administrative & Training block, Sports & Auditorium complex and Hostel block. The Hostel Block comprises of 48 Double Rooms, 30 Single Rooms, 5 Suites and 2 flats.
- 2) NACEN intends to install Hybrid Water Heater Plant i.e. combination of Solar Water Heater & Heat Pump Water Heater to be used in the bathrooms of the Hostel Block. The technical specifications of the products to be installed are mentioned in Annexure-II.
- 3) The bidder should be reputed/established Vendor and they should have adequate experience in design, supply, installation and commissioning of Hybrid Water Heater Plant. Proof for having executed projects of this nature may be provided along with the bid.
- 4) The bidder should provide all details along with copies of the relevant documents as listed at Annexure -III of this tender document.
- 5) The bidder may visit the site on any working day during working hours for survey of the work to be carried out.
- 6) The bid should be accompanied with an Earnest Money Deposit (EMD) of Rs. 20,000/- in the form of D.D. addressed to the "Pay & Accounts officer, Central Excise, Bengaluru. The EMD of the unsuccessful bidders will be returned within 10 days of finalization of the tender. The EMD of the successful bidder will be returned on successful completion of the project.
- 7) The interested vendors may submit their bid in two parts: 1) The Technical Bid and 2) The Financial Bid. The Technical bid should cover all the technical specifications of their product along with the relevant drawings/catalogues of their product. All the necessary documents as required in paras (3) and (5) of the General Terms and Conditions should be enclosed to their technical bid.

- 8) The Financial Bid should cover the pricing of the products to be installed and installation & commissioning charges inclusive of all taxes. Rates will be quoted in figures and words and in the event of any difference in the two rates, the rates quoted in words will prevail.
- 9) The Technical Bid will be opened first and the Financial Bids of only those who have qualified in the Technical Bids will be opened.
- 10) The bidder should indicate the earliest time frame in which he would complete the project, along with the Technical bid which should be accepted by NACEN, Bengaluru. In the event he fails to do so in the stipulated time, NACEN reserves the right to impose a penalty of 2% of the contract amount on the bidder.
- 11) Payments will be made to the bidder in full only on successful commissioning of the project and on due certification of officer In-charge at NACEN for monitoring the project. The Pr.ADG, NACEN shall be at liberty to withhold any payments in full or in part for any default in supply or installation of the product.
- 12) The period of guarantee/warranty offered by the bidder should be clearly indicated in the technical bid and the bidder should undertake to rectify any manufacturing defect noticed by NACEN during the period of warranty at no extra cost.
- 13) Pr. Additional Director General, NACEN reserves the right to award the contract in full or in part in respect of the tendered item without assigning any reasons.
- 14) Pr. Additional Director General, NACEN reserves the right to reject one or all the bids received without assigning any reason whatsoever.


(D.P.NAGENDRA KUMAR)
PR.ADDITIONAL DIRECTOR GENERAL

ANNEXURE-II

SPECIFICATION OF THE PRODUCTS REQUIRED WITHIN THE AMBIT OF THIS TENDER NOTICE

The items given in the BOQ are complete with specifications and preferred makes. The bidders to quote for complete items. If any ancillary items are required to complete the work in all respects, in the opinion of the bidder, the cost of such item/items will have to be considered in the quoted rate. No extra item of work will be allowed at a later date. Any civil works involved will have to be done by the bidder at no extra cost.

1.	Supplying, installing & commissioning of thermo-siphonic Solar water heater units of the following type of the preferred makers: 1) Racold 2) Venus 3) Honeywell or reputed equivalent brands.
2	Storage type water heater with the following specifications : (a) The storage water tank compatible for the heater system provided by the bidder should be made up of GI/MS/SS material and the capacity of the tank should be 2000 litres. Insulation to be provided to the tank with a 100mm thick rock wool of density 48 Kg/meter cube with a insulation aluminum cover of 24swg with TIG welding. (b) Flat plate collector type with aluminum frame material; with collector size of 2000*1000 * 100 mm ; Glass- Toughened glass 3.2 mm thick, with transmittance of glass of atleast 88% ; Solar absorptivity greater than .92(92%) ; solar emmissivity less than .2; tray body of collector made up of ZincAlume sheet of 0.75mm thick/ pre coated 0.47mm ; fin material made up of aluminum .19mm thick; 9 risers with riser tube made up of Copper Tube OD 12.9mmx0.4mm thickx1870 MM of tube purity 99.9%; Absorber type- NALSUN SOLAR SELECTIVE BLACK CHROMIUM PLATED; Header tube- Copper Tube outer dia 22 mm x 0.6 mm thick of tube purity 99.9%; ultra sonic welding type of bonding between absorber and riser; insulation- glasswool and rackwool of density 48 kg/cubic meter and with back insulation thickness of atleast 50mm and side insulation thickness of atleast 25mm; End connection 3/4" BSP BRASS CONNECTOR; Hardware- Aluminium rivets; Back and side Al. reflector-AL foil; Testing pressure- 8 BAR

<p>3</p>	<p>Providing and installing heat pump water heater to augment the solar water heater system to reduce the overall power costs .The specification of the pump provided should be</p> <ul style="list-style-type: none"> • The input electrical power range - 2 KW to 5 KW. • The heating output range -8 KW to 15 KW. • The co-efficient of Performance (COP) of the Heat Pump range - 3.5 to 4.5 • Rated output temperature 55 Degree Celsius • compressor type- Rotary • Refrigerant – Green Gas Eco friendly. <p>Circulation Pump</p> <ul style="list-style-type: none"> • The capacity of Circulation Pump should be minimum 80 liters per minute to circulate water between Heat Pump and Water Tank. • Circulation pump with imbedded configuration of reputed brand to be provided with minimum pressure head of 3.5 m
<p>4</p>	<p>The rates quoted by the bidder are to include all transportation, lifting and hoisting, placing in position on roof effecting electrical connection from the nearest point, connecting to the insulated piping system and commissioning the same and keeping it running for seven days after commissioning .</p> <p>Note: The water heater system complete will have to be guaranteed for trouble free operation for a period of 12 months from the date of installation/ commissioning or 18 months from the date of supply(whichever is later) . Any defect observed within this period will have to be set right without any extra cost to the owner.</p>
<p>5</p>	<p>Wiring along the parapet wall from the DB in mumty room to solar water heating panel and water pump along with earth wire with PVC insulated copper conductor, single core cable in the PVC conduit as required in all building for solar water heaters . The rate is to be all inclusive of galvanized MS brackets / supports/clamps with SS screws and holdfasts as per the requirements.</p>


(D.P.NAGENDRA KUMAR)

PR.ADDITIONAL DIRECTOR GENERAL

ANNEXURE -III

<u>Sl.no.</u>	<u>Details</u>	
01	Name of the organization	
02	Status of the organization(Pvt.Ltd /Public Ltd etc to be indicated)	
03	Telephone no of the organisation	
04	Contact person with mobile No.	
05	PAN No. of the firm	
06	VAT registration No.	
07	Central Excise Registration No.	
08	Service Tax Registration No.	
09	Any other information considered necessary	