

**YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT
ADMINISTRATION (YASHADA), PUNE**



REQUEST FOR QUOTATION

For

**DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING &
COMMISSIONING WITH 5 YEARS CMC OF SOLAR STEAM COOKING SYSTEM
WITH DUAL AXIS TRACING FOR 180 PERSON AT KOJAGIRI MESS WITH
BACK UP LPG FIRED BOILER SYSTEM AT YASHWANTRAO CHAVAN
ACADEMY OF DEVELOPMENT ADMINISTRATION, (YASHADA) PUNE,
DIST. PUNE.**

QUOTATION DOCUMENT

Ref. — ईएमआर/इलेक्ट/२१२२/को.सो.स्टि.सि.

Last Date of Submission : 23/09/2022

**YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION
(YASHADA)**

Raj Bhavan Complex, Baner Road, Armament Colony,

Ganeshkhind, Baner Rd,

Pune, Maharashtra 411007

Phone No: - [020 2560 8408](tel:02025608408)

Web site: <http://www.yashada.org>

**YASHWANTRAO CHAVAN ACADEMY OF
DEVELOPMENT ADMINISTRATION (YASHADA)**

Subject:- DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING & COMMISSIONING WITH 5 YEARS CMC OF SOLAR STEAM COOKING SYSTEM WITH DUAL AXIS TRACING FOR 180 PERSON AT KOJAGIRI MESS WITH BACK UP LPG FIRED BOILER SYSTEM AT YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION, (YASHADA) PUNE, DIST. PUNE.

The important dates and information for quotation is given below in the table:

S.N.	Description	Details
1	Request for Quotation (RFQ) No.	Ref. – ईएमआर/इलेक्ट/२१२२/को.सो.स्टि.सि.
2	Tender Type (open / Limited / Auction / EOI /Single)	Limited
3	Tender Issued Through	RFQ Request for quotation (RFQ)
4	Tender Category (Services/Goods/works/Supply)	Design, Manufacture, Supply, Installation, Testing & Commissioning
5	Scope of Work	DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING & COMMISSIONING WITH 5 YEARS CMC OF SOLAR STEAM COOKING SYSTEM WITH DUAL AXIS TRACING FOR 180 PERSON AT KOJAGIRI MESS WITH BACK UP LPG FIRED BOILER SYSTEM AT YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION, (YASHADA) PUNE, DIST. PUNE
6	Place of submission of quotation and address for communication	YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION (YASHADA) Raj Bhavan Complex, Baner Road, Armament Colony, Ganeshkhind, Baner Rd, Pune, Maharashtra 411007 Phone No: - 020 2560 8408 Web site: http://www.yashada.org
7	Period of validity of quotation	Date: 02/09/2022 to 23/09/2022
8	Last date & time of submission of quotation	23/09/2022
9	Time of Supply & Completion	Within 60 Days after issue of Purchase Order
10	Estimated Cost (Rs.)	Rs. 9,95,000 /-

1) INTRODUCTION :

Yashwantrao Chavan Academy of Development Administration (YASHADA) is the Administrative Training Institute of the Government of Maharashtra and meets the training needs of government departments and rural and urban non-officials and stakeholders. Human resource development has traditionally been one of Maharashtra's major strengths.

2) INVITATION FOR QUOTATION :

Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune has invited the sealed quotations from manufacturers / Supplier / contractor who has experience to Design, Manufacture, Supply, Installation, Testing & Commissioning of Solar Steam Cooking System with Dual Axis Tracing with Solar Hot Water Generator. Which Can Cook for 180 People.

3) INSTRUCTIONS TO MANUFACTURER / SUPPLIERS :

- a. The Bidder shall be a registered manufacturer / supplier / Dealer who has a minimum experience of 500-person Steam Cooking Plant & 1000 LPD SWHS to Design, Manufacture, Supply, Installation, Testing & Commissioning of Solar Steam Cooking System with Dual Axis Tracing with Solar Hot Water Generator. Which Can Cook for 180 People. in the State of Maharashtra.
- b. MNRE / NABL Approved Test Certificate from Manufacture for Solar Steam Cooking with solar Hot Water Generator as per given in the quotation document, satisfying the specifications.
- c. The Turnover certificate from CA (chartered accountant) for any three financial years out of 2018-19, 2019-20, 2020-21 & 2021-22 showing annual minimum turnover related to Lifts installation business not less than Rs.20 Lakh per annum, Turn-Over of Joint Venture /Partnership will not be considered. (No Balance Sheet shall be uploaded).
- d. Bidder shall have experience of similar work i.e. Design, Manufacture, supply, installation, testing, commissioning, & maintenance of Solar Steam Cooking System executed at least work value of 20 Lakhs for any three financial years out of (2018-19, 2019-20, 2020-21 & 2021-22).
- e. Firm GST Certificate.
- f. Firm Pan card
- g. Shop Act or Firm Registration Certificate.

These criteria shall be strictly followed. Bidder should quote only if he is eligible.

4) TECHNICAL SPECIFICATIONS:

1. SITE REQUIREMENT:

- a. The system could be installed on the terrace / open ground where the shadow-free area is available. The total shadow-free area needed is 110 sq. mtr. site.
- b. Dishes of 10 sq. mtr would need to be installed along the East-West Axis of the building. The shadow-free area required to accommodate the Steam Cooking System with Solar Hot Water Generator is 5 mtr in the East-West direction and 2 mtr in the north-south basically 10 sq.mt shadow- free area is required to install the system.
- c. To generate hot water at 90 degrees centigrade for Steam Cooking System with the help of LPG/Electric back up to Boiler for total 300 people, approximately 10 sq. mtr. of concentrator reflecting area is required and it could be done with 1 dish /concentrators of 10 sq.mt each.

2. COMPONENTS, AS PER MNRE SPECIFICATIONS:

I Parabolic Dish :

- a) Parabolic Concentrators with Dual axis tracking
- b) Reflector frame of 10 sq.mt
- c) Rotating support
- d) Upper stand
- e) Wt. Per Dish 150 Kg.

Material of construction: Mild steel

II Central Tracking System :

- a) Winch
- b) Electronic controller
- c) Electronic Timer and relay
- d) D.C. or AC Drive-motor
- e) Gear box
- f) Wheels on brackets on stand to guide wire ropes
- g) Counter Weights to balance and drive the tracking

III Steam Header :

- a) Steam Tank
- b) Receiver
- c) Steam Pipe Line and feed water lines and valves
- d) Water level indicator.

IV Steam Pipe Line (branch) & feed water pipe line :

- a) Steam pipe lines
- b) Raw Water pipe line

V Steel Structures :

Support Structures for

- a) Steam header
- b) Stands of Solar system
- c) Steam, feed water pipe lines,
- d) Feed water tank
- e) Central tracking system and winch

VI. Steam back-up system:

As no boiler exists a NEW BOILER with proper rating as back-up system would have to be procured by you so that steam generation during non-sunny day.

VII. Installation and Commissioning :

The system will be supplied on turn - key basis - except for the civil work, which will be done by Bidder under our supervision.

The system will be hydro-tested to confirm that there are no leakages in joints. After that trial runs would be undertaken by us on site to confirm the output and integration of system.

VIII. Insulation of pipelines and feed water tank ;

The pipelines, receivers etc. would be insulated to reduce radiation losses to ensure that max steam reaches the kitchen.

5) Monitoring of system and spares :

System will be monitored mainly by YASHADA, Pune, manufacturer and MEDA officials. The user also intends to enter it to operation and maintenance contract with the installer after the warrantee period. The sufficient training will be imparted to user for daily monitoring and day to day operation. Necessary spares will provided by the manufacturer upto CMC 5 years.

6) Scope of Work :

The Scope of Work shall be as under,

- a. The Scope includes Design, Manufacture, Supply, Installation, Testing and Commissioning with five years' comprehensive maintenance contract of Solar Steam cooking system with dual axis tracking system for 180 Person at Kojagiri mess with Back up LPG fired Boiler system at Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, dist. Pune in the state of Maharashtra on "Turnkey" Contract Basis.
- b. The Bidder shall handover the material to Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, dist. Pune and see that the entry is made in their register with unique serial number. Once the entry is made, the Bidder shall start the installation and commissioning activity.

- c. The selected Bidder shall supply Marathi Operation and Maintenance Manual (One copy) to Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, dist. Pune.
- d. Design, Manufacture, Supply, Installation, Testing and Commissioning with five years' comprehensive maintenance contract of Solar Steam cooking system with dual axis tracking system for 180 Person at Kojagiri mess with Back up LPG fired Boiler system at Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, dist. Pune. The install system shall be guarantee for the period of 5 years.
- e. Any additional works not covered above, but necessary for the functioning of the Solar Steam Cooking System with solar hot water generator and required as per specification incorporated. The items of minor nature, which are not mentioned, shall be incorporated by the Bidder.
- f. The successful Bidder shall be required to submit completion report / certificate certified by Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune, dist. Pune. after the execution of work on projects and performance report after commissioning on quarterly basis till completion of 5-year period.
- g. The Bidder shall submit 1 hard and 1 soft copy of photographs of Solar Steam Cooking System with solar hot water generator.

7) General Terms and Conditions :

- a. **Material:** The material used for the work shall be new & best quality available and work shall be carried out with best workmanship. The material used and works carried out shall be as per IS wherever applicable.
Certificate: The vendor shall furnish, at its own cost, test certificate for the various material and equipment / items as called for. Such certificate shall be from the manufacturers for the particular consignment / lot / piece and shall be duly authenticated by respective consultants.
- b. **Utilities:** Water and Power during construction and operation at the site will be provided by YASHADA free of cost.
- c. **Packing:** The Bidder shall provide such packing of the Goods as is required to prevent the damage or deterioration during transit to their final destinations indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Good's final destination and the absence of heavy handling facilities at all points in transit.
- d. **Delivery and Documents:** Delivery of the Solar Steam Cooking System with Solar Hot water generator material and completion of works should be made within **60 days** from the date of

placement of purchase order. The Bidder shall notify the purchaser and the insurance company by cable / telex / fax / email / phone the full details of the shipment including contract number, railway receipt number/AWB etc. and date, description of goods, quantity, name of the consignee, invoice etc. The Supplier shall mail the following documents to YASHADA & MEDA with copy to the insurance company:

- i) Copies of the Supplier invoice showing contract number, goods' description, quantity, and unit price, total amount;
 - ii) Acknowledgment of receipt of goods from the consignee(s) by the transporters;
 - iii) Insurance certificate, if any.
 - iv) Manufacturer's / Supplier's warranty certificate;
 - v) Certified Join Inspection Report of YASHADA, MEDA & Bidder
- e. **Insurance:** For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier to an amount equal to 100% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes.
- f. **Transportation:** Where the Supplier is required under the Contract to transport the Goods to a specified place of destination including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the Contract Price.

8) SECURITY DEPOSIT :

- a. Bidder shall furnish security deposit at 3% of the total contract value within 15 working days from the date of issue of work order by way of demand draft / Bank Guarantee of nationalized bank / Scheduled Bank in favor of Maharashtra Energy Development Agency, Pune.
- b. Failure to comply with the terms of security deposit shall result into cancellation of work order without any further intimation to Bidder and the EMD shall be forfeited.
- c. The security deposit shall be liable to be forfeited wholly or partly at the sole discretion of the YASHADA, if the Bidder either fails to execute the work of above projects or fails to fulfill the contractual obligations or fails to settle in full his dues to the YASHADA.
- d. In case of premature termination of the contract, the security deposit will be forfeited, and the YASHADA will be at liberty to recover the losses suffered by it & if additional cost is to be paid, the same shall be recovered from the Bidder.
- e. The YASHADA is empowered to recover from the security deposit for any sum due and for any other sum that may be fixed by the YASHADA as being the amount or loss or losses or damages suffered by it due to delay in performance and / or non-performance and / or partial performance of any of the conditions of the contract and / or non-performance of guarantee obligations.
- f. The security deposit shall be released to the Bidder only after the project is successfully installed and commissioned.

9) TERMS OF PAYMENTS :

Payment will be released as follows.

1. 60% of the cost will be released on supply & successful installation of solar steam cooking system with solar hot water generator and after submission of following documents,
 - a. Proof of compliance certificate from Authorized User Agency.
 - b. 100% Inspection of Successful Installation report duly certified by Authorized User Agency YASHADA, MEDA Official & Bidder in the Prescribed format
 - c. Invoice (2 copies).
 - d. Photographs with Lat, Long & date.
2. 20% of the cost will be released after Successful commissioning of solar steam cooking system with solar hot water generator & submission of one-month performance report duly certified by Authorized User Agency YASHADA, MEDA Official & Bidder in the Prescribed format.
3. 20% of the cost will be released after Successful commissioning of solar steam cooking system with solar hot water generator & submission of next two-month performance report duly certified by Authorized User Agency YASHADA, MEDA Official & Bidder in the Prescribed format and submission of Performance Bank Guarantee of Nationalized / Scheduled Bank of Rs. 50,000/- valid for 5year from the date of successful installation and commissioning of the systems.
4. Performance Bank Guarantee amount shall be revoked in case of non-performance of Solar Steam Cooking System & Solar Hot water generator inspected by YASHADA / MEDA and not attended by the Bidder within two weeks.
5. The TDS and all applicable taxes will be deducted as per the Govt. rules and regulations.
6. YASHADA will issue necessary certificates of TDS deduction

10) RETURN OF PERFORMANCE BANK GUARANTEES SUBMITTED BY BIDDER:

The Performance Bank Guarantee shall be returned after completion of CMC period and submission of required documents during period.

11) TAX INVOICE TO BE SUBMITTED ON PRINTED FORMS:

The successful Bidder shall submit all tax invoices in duplicate only on printed form to YASHADA, Pune.

12) Price Variation, Taxes, Duties & Levies etc.

Bidder shall take care of variations in prices/taxes/duties/levies of the materials, labors, supplies etc. and quote the price is expected to cover all such variations. YASHADA shall not entertain any addition in project cost during the project execution phase.

13) Inspection & Testing

Bidder shall procure the standard quality materials complying with the relevant IS standards. The inspection and testing of the materials purchased will be the responsibility of Bidder. The Bidder shall have to submit the test certificates and inspection reports of the equipment's.

14) Judicial Jurisdiction:

All disputes arising out of and touching or relating to subject matter of the Agreement / Contract shall be subject to jurisdiction of local courts of (Pune) and the High Court of (Bombay).

15) TIME FRAME:

The time frame for the completion of work in all respect is 60 days from the issue of work order.

16) Applicable Law:

The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction in Pune, Maharashtra.

17) Rejection Terms:

Incomplete, conditional, fax, late quotation will be rejected summarily. YASHADA, Pune reserves the right to reject any or all the quotations at his discretion without assigning any reason thereafter.

18) Site Visit:

It is mandatory for the Bidder to visit the site and obtain all the required information before submitting the BID document. Site visit report should be duly signed by Authority of beneficiary Dept. (YASHADA, Pune) & Bidder as a part of the technical BID as per the Annexure 2.

NOTES

- a. YASHADA, Pune will evaluate all the options and activities mentioned above and reserve the right to award the contract for the most feasible and cost effective option and activities.
- b. YASHADA, Pune reserves the right to accept or reject any or all applications without assigning any reasons.
- c. Offers with incomplete information are liable to be rejected, which may be noted.
- d. The sealed quotation documents should reach this office up to the Date 23/09/2022, up to 3.00 PM at following address, the quotation received after the due date and time will be out rightly rejected.

**YASHWANTRAO CHAVAN ACADEMY OF
DEVELOPMENT ADMINISTRATION (YASHADA)**

Raj Bhavan Complex, Baner Road, Armament Colony,
Ganeshkhind, Baner Rd,
Pune, Maharashtra 411007
Phone No: - [020 2560 8408](tel:02025608408)
Web site: <http://www.yashada.org>

(Annexure- 1)

Price Bid Format
(On Company's Letterhead)

Ref No.:

Date: / / 2022

PRICE BID to be Submitted

**YASHWANTRAO CHAVAN ACADEMY OF
DEVELOPMENT ADMINISTRATION (YASHADA)**

Raj Bhavan Complex, Baner Road, Armament Colony,
Ganeshkhind, Baner Rd,
Pune, Maharashtra 411007
Phone No: - [020 2560 8408](tel:02025608408)
Web site: <http://www.yashada.org>

Subject: - DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING & COMMISSIONING WITH 5 YEARS CMC OF SOLAR STEAM COOKING SYSTEM WITH DUAL AXIS TRACING FOR 180 PERSON AT KOJAGIRI MESS WITH BACK UP LPG FIRED BOILER SYSTEM AT YASHWANTRAO CHAVAN ACADEMY OF DEVELOPMENT ADMINISTRATION, (YASHADA) PUNE, DIST. PUNE.

S.N.	Item Description	Basic Price (in Rs)	Taxes (In Rs)	Other Charges (if any)	Total (In Rs.)
1	2	3	4	5	6
A.	Charges for Steam cooking system with 1 Parabolic Dish, accessories and pump for hot water generation				
1.	1 Parabolic Dish of 10 sq.mt each				
2.	Automatic Dual axis Tracking System				
3.	Steam generator System with receivers				
4.	Steam Pipe Line and feed water piping (50 Meter)				

5.	Steel Structures				
6.	Installation and Commissioning				
7.	Insulation of pipe lines, receivers etc.				
8.	Instrumentation and valves etc.				
B.	Steam Cooking Vessels (50 liters' capacity, 2 Direct steams injections and 1 Double jacketed, 1 Idly Steamer)				
C.	Boiler 50 kg/hr.				
D.	Transport				
E.	GST 12 % on 70 % of Project Cost and 18 % on 30 % of Project Cost				
F.	Training and handing over of system to the user (1 Week)				
G.	Operation cost (Technical person should be visit once in a month) Per year upto CMC period i.e. 5 Year's				
Grand Total					

Amount in words (Rs.)

(The total cost Mentioned in column no 6 will be consider for evaluation)

Signature :

Name of the Representative Submitting the Bid :

Designation :

Company Seal :

Annexure-2: Site Visit Report Letter
(To be submitted on letterhead of bidder)

Date: _____

To,
**YASHWANTRAO CHAVAN ACADEMY OF
DEVELOPMENT ADMINISTRATION (YASHADA)**
Raj Bhavan Complex, Baner Road,
Armament Colony, Ganeshkhind,
Pune, Maharashtra 411007

Subject : Site Visit Report Letter under technical bid for Design, Manufacture, Supply, Installation, Testing & Commissioning with 5 Years CMC of Solar Steam Cooking System with Dual Axis Tracing for 180 Person at Kojagiri Mess with Back Up LPG Fired Boiler System at Yashwantrao Chavan Academy of Development Administration, (YASHADA) Pune, Dist. Pune in the State of Maharashtra.

Sir,

This has reference to above subject for Design, Manufacture, Supply, Installation, Testing & Commissioning with 5 Years CMC of Solar Steam Cooking System with Dual Axis Tracing for 180 Person at Kojagiri Mess with Back Up Lpg Fired Boiler System at Yashwantrao Chavan Academy of Development Administration, Pune, Dist. Pune in the State of Maharashtra. I / We hereby declare that we have visited site and enclosing the survey form duly signed by the representative of the consumer.

I / We made ourselves acquainted with site conditions, approach to site, requirement of conditions, availability of water, requirement of Project conditions etc.

I / We verified all details required to execute the projects. I / We have no problems in undertaking the projects and complete them in the given time period as per required specification & terms and conditions of the tender.

Thanking you

Yours faithfully,

(Signature of Bidder)
Name of Bidder -----
Designation -----
Seal:

Site Survey Form

Name of Beneficiary	
Address	
Latitude	
Longitude	
Current Boiler Capacity	
Proposed Capacity of Solar steam cooking Plant & Solar Hot water Generator	
Nature of Shadow free area	Roof top / Ground mounted
Area available for solar Steam Cooking & solar Hot water generator installation in Sq. mtr	
Proposed area suitable for installation of plant	Yes / No
Is there requirement to increase structure height to avoid submergence of structure	Yes / No

Declaration: I / we have visited the proposed site for installation of solar plant. The site is found to be suitable for installation of solar steam cooking plant & solar hot water generator plant of --- capacity.

Surveyed by:

Name and Sign of Bidder Organization:

Witnessed by Representative of YASHADA's, Pune.

Name and Sign