

E-TENDER FOR

DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING WITH FIVE YEARS COMPREHENSIVE MAINTENANCE CONTRACT OF SOLAR STEAM COOKING SYSTEM CONSISTING OF SCHEFFLER DISH CONCENTRATOR FOR DAILY LUNCH AND DINNER OF TOTAL 2600 PEOPLES AT: MESS BUILDING, STATE RESERVE POLICE FORCE (SRPF) GROUP NO. 1, RAMTEKDI PUNE (250 PEOPLES), MESS BUILDING, STATE RESERVE POLICE FORCE (SRPF) GROUP NO. 2, RAMTEKDI PUNE (300 PEOPLES), MESS BUILDING, STATE RESERVE POLICE FORCE (SRPF) GROUP NO. 5, DAUND, PUNE (300 PEOPLES), MESS BUILDING, STATE RESERVE POLICE FORCE (SRPF) GROUP NO. 7, DAUND, PUNE (250 PEOPLES), TRAINING INSTITUTE, NANVIJ, STATE RESERVE POLICE FORCE (SRPF) DAUND, PUNE (1500 PEOPLES), IN THE STATE OF MAHARASHTRA.

Tender Ref. No: REN/SOLAR-COOKING/SRPF PUNE/2024-25/01



**MAHARASHTRAENERGYDEVELOPMENTAGENCY
(A Government of Maharashtra Institution) Aundh
Road, Opposite Spicer College,
Near Commissionerate of Animal Husbandry, Aundh Pune-
411007.**

Phone No: - 020-35000450

E-mail ID: gmsolar@mahaurja.com

<https://mahatenders.gov.in>

Table of Contents

Sr. No.	CONTENTS	Page No.
SECTION-I: BID INVITATION		5
1	Brief Description of the Bidding Process	5
2	Bidding Information	5
SECTION-II: INFORMATION AND INSTRUCTION TO BIDDERS		7
	Scope of Contract	
1	Eligibility	9
2	Standards and Certificates	11
3	Instructions	11
4	Cost of Bidding	12
5	Language of Bid	12
6	Documents Comprising the Bid	13
7	E.M.D. (Earnest Money Deposit), Security Deposit and Forfeiting of E.M.D.	14
8	Price Variation	15
9	Jurisdiction	15
10	Time Frame	15
11	Period of Validity of Bids	15
12	Mode of submission of Bids	15
13	Deadline for Submission of Bids	16
14	Clarification of Bids	16
15	Preliminary Examination	16
16	Acceptance or Rejection of Bids	16
17	Criteria for Bids Evaluation	17
18	Award Criteria & Award of Contract	17
19	Corrupt or Fraudulent Practices	17

Sr. No.	CONTENTS	Page No.
20	Conditions for issuing Work Order to Lowest Bidder	18
21	Terms of Payment	18
22	Time Frame	19
23	Extension /Penalty Clause	19
SECTION – III: GENERAL CONDITIONS OF CONTRACT (GCC)		20
1	General Terms and Conditions of Tender	20
2	Communications	23
3	Manner of Execution	23
4	Application	23
5	Standards	23
6	Inspection	24
7	Pre-Dispatch Inspection	24
8	Transportation	24
9	Sub-contracts	24
10	Termination for Default	24
11	Applicable Law	24
12	Notices	25
13	Danger Plates	25
14	Insurance	25
15	Warranties and Guarantees	25
16	Safety Measures	26
17	System Performance Undertaking on Rs.100/- stamp paper	28
SECTION – IV: TECHNICAL SPECIFICATION		28
APPENDIX		
1	Appendix - I (A): Bidder's Information Sheet	32
2	Appendix – I (B): Annual Turnover	34

Sr. No.	CONTENTS	Page No.
3	Appendix - II: Form of Performance Bank Guarantee	35
4	Appendix - III: Experience for Supply & Commissioning and O&M during CMC of Solar Steam Cooking System.	37
5	Appendix – IV: Site Visit Report	38
6	Appendix – V: Declaration	39
7	Appendix – VI: BANK DETAILS	40
8	Appendix – VII: DETAILS FOR O & M TEAM	41
9	Appendix – VIII: DETAILS OF OFFERED SYSTEM	42
10	Appendix – X: DECLARATION	43
11	List of Document	44

SECTION-I

BID INVITATION

- **Brief Description of the Bidding Process**
- **The Director General**, on behalf of **MEDA (the Employer)**, invites eligible bidder to submit a bid in accordance with the provisions of this Tender Document. In this Tender Document, the term "Bidder", which expression shall, unless repugnant to the context, include all parties who have submitted bids in response to this Tender Document within the stipulated time frame for submission.
- The Bidders shall submit the bids in two parts by following e-tendering process described in bidding documents. First part comprises of the Technical Bid and the second part comprise of the Financial Bid in accordance with this Tender Document.
- In terms of the Tender Document, a Bidder will be required to deposit, along with its Bid, a bid security as Earnest Money Deposit (EMD).
- MEDA will open the Technical Bid of the Bidder, by e-tendering process. The Financial Bid will be open to those bidders who qualify in Technical Bid.
- The Bidder's Names, Bid prices and the presence or absence of the requisite documents & certificates and such other details as MEDA, at its discretion, may consider appropriate will be announced at the time of opening.

BIDDING INFORMATION (NOTICE INVITING TENDER)

Tender Notice no.	REN/SOLAR-COOKING/SRPF PUNE/2024-25/01
Estimated Cost	Rs. 3,26,74,240/- (Rs. Three Crore Twenty-Six Lakhs Seventy-Four Thousand Two Hundred and Forty Rupees Only)
Amount of Earnest Money Deposit (EMD)	Rs. 3,26,742/- (Rs. Three Lakhs Twenty Six Thousand Seven Hundred and Forty Two Rupees Only)
Security Deposit	3% of contract value by RTGS/ NEFT Only.
Cost of tender document	Rs. 25,000/- + 18% GST as applicable (Non-refundable & Non-Transferable).
Sale of tender document	From 25/12/2024 at 11.00 hours to 08/01/2025 at 15.00 hours
Clarification regarding Tender	Bidder have to submit their quires on or before 29/12/2024, 17:00 hrs. only through email:- gmsolar@mahaurja.com
Date of Pre Bid Meeting	30/12/2024 at 13.00 hours
Last date & time of submission of tender	08/01/2025 at 15.00 hours
Date & time of opening of tender	09/01/2025 at 15.00 hours
Place of submission of tender	Maharashtra Energy Development Agency (MEDA), Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Aundh Pune- 411007

The date & time of opening of financial offer (Price Bid) will be announced later.

If any technical difficulties arise while filling up e-tender, please call at 24 x 7 Help Desk Number 0120-4001 002/005 at NIC. It is compulsory to pay tender document fee, EMD through Online mode only.

Eligible bidders can upload the Tenders through mahaetender portal of GoM: <https://mahatenders.gov.in>

Purchase policy GR dated 1st December, 2016 and its amendments published time to time are applicable to this tender.

SECTION-II

INFORMATION AND INSTRUCTION TO BIDDERS

The Director General, on behalf of MEDA (the Employer), invites bids from eligible bidders for “Works” including Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System consisting of Scheffler dish concentrator for daily lunch and dinner of total 2600 Peoples At:

Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples),

Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples),

Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples),

Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples),

Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra. (Herein after referred to as the contract of works) and as described in the tender document on “Turnkey Contracts” under Tender No: **REN/SOLAR-COOKING/SRPF PUNE/2024-25/01**

SCOPE OF CONTRACT.

Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System Consisting of Scheffler Dish Concentrator for daily lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra on “Turnkey Basis” and as described in the Tender Document.

Sr. No.	Name of Site	Capacity of Solar Cooking System
1	Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune.	For the daily lunch and dinner of 250 peoples using a total of 4 Scheffler dishes, each with an area of 16 sq. meters.
2	Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune.	For the daily lunch and dinner of 300 peoples using a total of 4 Scheffler dishes, each with an area of 16 sq. meters.
3	Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune.	For the daily lunch and dinner of 300 peoples using a total of 4 Scheffler dishes, each with an area of 16 sq. meters.
4	Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune.	For the daily lunch and dinner of 250 peoples using a total of 4 Scheffler dishes, each with an area of 16 sq. meters.
5	Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune.	For the daily lunch and dinner of 1500 peoples using a total of 16 Scheffler dishes, each with an area of 16 sq. meters.

• **Scope of Work -**

- i) Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with 16 sq. meter each Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra.
- ii) Design, supply, installation, testing & commissioning and maintenance of all related equipment's such as cooking utensil, all steel structure, instrumentation for the system as per MNRE standards.
- iii) Design, supply, installation, testing & commissioning and maintenance of suitable tracking system as per the site requirement.
- iv) Design, supply, installation, testing & commissioning and maintenance of all supporting structures for reflector, steam header, upper and lower stand, steam and feed water pipe lines and pressure reducing valve section, feed water tank, suitable tracking system, winch, ladder etc. made of mild steel with anti-corrosive paints coating and suitable size of round bars, channels, angles, round pipe, square pipes and aluminium channels. All MS structures shall be assembled with good quality of nut and bolts. Ladder of M S structures of suitable height with walking path shall be provided adjacent to standing row of reflectors for cleaning & maintenance of valves, pressure gauges, cleaning of reflectors/mirrors etc. It must be rigid enough to resist any deformation due to wind pressures or manual handling.
- v) All related civil works/welding works including levelling and grouting required for installation as per MNRE standards.
- vi) Comprehensive Maintenance Contract (CMC) of the complete system for five years. The date of commencement of the CMC shall be reckoned from the date of commissioning of the solar steam cooking system.
- vii) The materials to be supplied should be as per the specification with at least five years warrantee period on the system commissioned by the firm.
- viii) Free replacement of defective components of systems within Comprehensive Maintenance period (CMC) of 5 years after commissioning of the project for efficient running of the system.
- ix) The successful Bidder will be required to complete the works within the stipulated time as specified in the tender document. The bidder shall ensure that all the Solar Steam Cooking System installations should be installed and commissioned at site within 90 days from the date of receipt of work order.
- x) Bid shall be complete and cover all works described in the tender. However, if any item of works required for completing the project shall be deemed to be included in bidder's scope; irrespective of whether it is specifically mentioned or not in the tender document.
- xi) **Bidder shall quote for the complete systems.** Partial bids or bids which do not cover the entire scope of the project will be treated as incomplete and not responsive to the terms and conditions of tender, are liable to be rejected.
- xii) The bidder should visit the site & carryout the survey and upload the certificate indicating that the survey

is carried out by the bidder as per Appendix - IV. The bid submitted without site visit report will be rejected out rightly.

- xiii) Bidder should obtain the statutory permissions from statutory bodies wherever required for execution of works.
- xiv) The Technical Specifications to be strictly adhered while installation of the project.
- xv) Acquiring all permissions regarding installation and commissioning of Solar Steam Cooking System will be responsibility of the bidder. Bidder shall take written consent from beneficiary about proposed location before installation of project.
- xvi) The responsibility of electrical works, safety precautions and safety parameters of the project will be of awarded bidder, which must as per standards specified.
- xvii) The successful bidder should ensure the civil load bearing capacity of the building & it is adequate with respect to solar panel installation.
- xviii) The bidder shall provide CMC for 5 years and insurance coverage of Complete systems effective from the date of commissioning of the project for period of 05 years covering damage by natural calamities, theft and burglary etc.
- xix) Selected Bidder shall be bound to operate and maintain the system as per the rules, regulations and modalities as prescribed by MNRE and MEDA for the effective functioning of the project.
- xx) The material/ equipment's/components supplied and works executed under this contract shall be confirmed to the standards as per mentioned in tender technical specification. Where no standards are mentioned, the latest version of Indian Standard Institution or Bureau of Indian Specification shall be considered.
- xxi) The Bidder shall submit all the valid test certificates and reports of the system components following the latest MNRE Guidelines and the same components shall be supplied for which the test reports/ certificates are submitted.

1. ELIGIBILITY

The bidder shall provide sufficient documentary evidences to satisfy the following conditions.

- i) The bidder should be, either of the following:
 - i. Manufacturer of Solar PV Module or
 - ii. Manufacturer of Solar Thermal or
 - iii. Manufacturer of Solar Steam Cooking system or
 - iv. EPC/SI of 'similar works'
- ii) Similar Works' means – Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System Consisting of Scheffler Dish Concentrator.
- iii) **Technical Eligibility Criteria:**

The bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of Solar Steam Cooking Systems Consisting for 1300 no of peoples in last Seven Financial years as on last date of bid

submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.

And

As per above, the bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of at least 02 (Two) Solar Steam Cooking System Consisting having an individual capacity of 260 no of peoples or above in last Seven Financial years and till last date of bid submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.

The list of projects commissioned at least 6 months prior to Techno-Commercial Bid Opening date, indicating whether the project is functioning, along with a scanned copy of the Commissioning certificate and Work order / Contract / Agreement/LOI from the Client / Owner shall be submitted in support of Clause above.

The Performance Certificate must be issued minimum six (06) months from the date of commissioning. The Performance Certificate/Joint meter reading (JMR) reports shall be issued from any state/ central owned agencies or state power departments or authorized representative of Power off taker (Discom). A job executed by a Bidder for its own plant/ projects cannot be considered as experience for the purpose of meeting the Eligibility Conditions of the tender. Also, the jobs executed for Subsidiary/ Fellow subsidiary/ Holding company will not be considered as experience for the purpose of meeting Eligibility Conditions.

- iv) The firm should be solar steam cooking system manufacturer/ EPC contractor.
- v) Subcontractor experience will not be considered.
- vi) MSMEs & Start-ups will be eligible as per exiting GoM GRs and GoI notifications including Revised Manual of Office Procedures for Procurement by the Government Departments, GR dtd. 1/12/2016 Conditions of experience and financial turnover are applicable to them as provided in this document, while exemption from Tender Form Fee and EMD amount is applicable to them.
- vii) MEDA may verify the functionality of such systems from respective authority.
- viii) Tender Evaluation/Approval committee members may visit such installation if required.
- ix) If any false statements are furnished by the bidder, MEDA may terminate the contract and complete the work from other bidder.
- x) Bidder should have field service setup to provide CMC after sale services including necessary repair and maintenance. It is mandatory to carry out repair/replacement work within 48 hours from the time of reporting the fault as and when required over the period of 5 years CMC period. Accordingly, bidder has to submit the details thereof.
- xi) Bidder should submit the Registered office address, details of company personnel, details of office/ service/dealership network or setup within periphery of Pune district along with documents like shop-

act licence in the name of company/ dealership letter. The bidder will be responsible for conducting O&M within the CMC period.

xii) **Bidding by Joint venture is not allowed.**

xiii) Minimum Average Annual turnover during the last 03 (three) Financial years, should be at least 40% of the estimated Project cost/Cost estimate. Submit CA certified financial status statement for the same.

xiv) Bid Capacity of the bidder-

The tenderer should have Bid Capacity not less than estimated amount put to tender for which the bid is submitted. The bid Capacity will be evaluated as per formula indicated below.

$$\text{Bid Capacity} = (A \times N \times 2) - B$$

Where,

A= Maximum annual turnover (in all classes of Electrical, Electro mechanical & Solar Works only) in any one year during the last five financial years (updated to the price level of the current year by applying multiplication factor of 10%)

N= Number of years prescribed for completion of the works for which bids are invited.

B= Cost of works in hand (during the period of work under consideration.)

xv) Bidder will have to submit a copy of engineering document with test report for solar steam cooking structure duly certified by authorized test lab and certified structural engineer of this system for its safety and stability against a wind speed of minimum 150 kmph which they want to bid, even if the drawing mentioned in the bid are submitted by the bidder.

2. STANDARDS / CERTIFICATES

- i) The goods supplied and works executed under this contract shall confirm to the standards mentioned in the technical specification and where no applicable standard is mentioned, the latest version of Indian Standard Institution or Bureau of Indian Specification shall be applicable.
- ii) The Bidder shall submit all the valid test certificates and reports of the system components following the latest MNRE/BIS/IEC Guidelines and the same components shall be supplied for which the test reports/ certificates are submitted.
- iii) The manufacturer should submit test certificate of Solar Scheffler Dish

3. INSTRUCTIONS

- i) Bidder shall upload Information, Experience Certificates, Test Reports and other such relevant documents specified in the list of other important documents.

- ii) The bidder should visit the site & carryout the survey and upload the certificate indicating that the survey is carried out by the bidder as per **Appendix - IV**. The bid submitted without site visit report will be rejected out rightly.
- iii) The technical proposals confirming to eligibility criteria and found satisfactory will be taken up for detailed technical evaluation. During evaluation of the technical bids, MEDA may ask the bidders for clarification of their bid.
- iv) In case bidder does not fulfil the technical bid, the financial bid shall not be opened & he shall be disqualified from further bidding process.
- v) All bids must be accompanied by EMD as specified in the Tender Notification and uploaded/furnished on or before the prescribed date and time given in this document.
- vi) The Bidder shall upload copies of
 - GST registration Certificate
 - PAN.
 - Income Tax Returns for previous three assessment years.
- vii) For any Clarification /online support please contact at mail id - gmsolar@mahaurja.com
- viii) MEDA reserves the right
 - To reject or accept any or all tenders without assigning any reasons thereof.
 - The work order is not transferable. Subletting is not allowed.
- ix) MEDA will not entertain any claim at any stage of successful bidder on the plea that the bidder was not sufficiently acquainted himself to the site conditions, or for any other reason.

4. COST OF BIDDING

The bidder shall bear all costs associated with the preparation and submission of bid and MEDA will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

5. LANGUAGE OF BID

All documents, drawings, instructions, design data, calculations, operation, maintenance and safety manuals, reports, labels and any other data shall be in English Language. The contract agreement shall be in English language. Supporting documents and printed literature furnished by the bidder if provided in languages other than Marathi, Hindi & English, it shall be accompanied by an accurate translation of the relevant passages in the English language duly authenticated and certified by the bidder.

6. DOCUMENTS COMPRISING THE BID

The Bid prepared by the Bidder shall be uploaded in 'Two parts Viz. Technical and Financial bids comprising the following components. Bids shall electronically submit online in the E-tender platform and the documents shall be scanned and submitted.

a) Part I - Technical Proposal:

Bidder shall submit relevant certificates to fulfil the eligibility criteria prescribed in the tender document along with following documents/information.

- i. Bidder's Information Sheet
- ii. Annual Turnover
- iii. Self-Certification of No Barr/non-failure/blacklisted
- iv. Address of Registered Office.
- v. Service set-up details in Pune District.
- vi. Details of technical specifications and description of actual materials which are to be used in installation of project.

The Bidder is expected to verify all instructions, forms, terms and specifications in the Tender Document. Failure to furnish all information required in the tender document will be at the Bidder's risk and may result in rejection of the bid.

b) Part II - Financial bid

Financial Bid shall contain:

- i. The bidder should quote the price as against total tender estimate as shown in the tender document.
- ii. The price quoted in the bid will be inclusive of all taxes, duties, insurance and all incidental charges for successful design, supply, installation, commissioning along with comprehensive maintenance for five years.
- iii. The Bidder shall complete the price schedule furnished in the Tender Document, Indicating the price of Solar Systems towards Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with 16 sq. meter each Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve

SIGNATURE AND SEAL OF TENDERER

Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra as per the technical specifications.

MEDA will not pay any extra charges over and above rate quoted by the Bidder. The quoted price shall be 'FIXED', during the entire term of the Contract.

iv. Prices shall be quoted in Indian Rupees only

v. In not any circumstances, escalation in the prices will be entertained.

vi. Financial Bid uploaded with an adjustable price quotation will be treated as non-responsive and will be rejected.

vii. Any Bid not in accordance with above clauses of this Section will be rejected.

7. EARNEST MONEY DEPOSIT (EMD), SECURITY DEPOSIT (SD) & FORFEITING OF EMD:

A) EARNEST MONEY DEPOSIT:

The Earnest Money Deposit for this project of **Rs. 3,26,742/-** should be paid online through respective portal. No interest shall be payable on the amount of Earnest Money. EMD shall be returned to unsuccessful Bidders after award of work order to successful Bidder, and EMD of successful Bidder shall be returned after submission of security deposit.

FORFEITING OF EMD:

The EMD paid or submitted by the Bidder shall be forfeited if:

- i. The Bidder withdraws his tender before finalization of work order.
- ii. The Bidder does not accept work order.
- iii. The Bidder violates any of the terms and conditions of the tender.
- iv. The Bidder fails to deposit requisite Security deposit.
- v. The Bidder fails / refuses to execute the contract.
- vi. In this case MEDA shall have full right to claim damages thereof in addition to the forfeiture of EMD.

B) SECURITY DEPOSIT:

- i. The Bidder shall furnish security deposit @ 3% of the total contract value within 10 days from the date of issue of work order (including Sunday and public holiday) by RTGS /NEFT mode only.
- ii. Failure to comply with the terms of security deposit shall result in to cancellation of work order without any further reference to the Bidder and the EMD shall be forfeited.

- iii. The security deposit shall be liable to be forfeited wholly or partly at the sole discretion of MEDA, if the Bidder either fails to accept/execute the work of above projects or fails to fulfil the contractual obligations or fails to settle in full his dues to MEDA, or violates any term in this tender document.
- iv. In case of premature termination of the contract, the security deposit will be forfeited and MEDA 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.
- v. MEDA is empowered to recover from the security deposit for any sum due and for any other sum that may be fixed by MEDA 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.
- vi. The security deposit shall be released to the Bidder only after contract is completed as the work order.

8. PRICE VARIATION

Under any circumstances & for any reasons, escalation in the contract value will not be considered by MEDA.

9. JURISDICTION

In case of any dispute, in the documentation and during implementation, commissioning, completion and CMC period, all the matter will be resolve under Pune court only.

10.TIME FRAME

The time frame for the completion of work is **150 days** from the date of issue of work order.

11.PERIOD OF VALIDITY OF BID

- i. Bids shall remain valid for **180 days** after the date of opening of Technical Bid. A Bid valid for a shorter period shall be rejected by MEDA as non-responsive.
- ii. In exceptional circumstances, MEDA may solicit the Bidder's consent to extend the period of validity. The request and the responses thereto shall be made in writing. The EMD provided shall also be suitably extended. A Bidder granting MEDAs request will not be required nor permitted to modify its bid.

12.MODE OF SUBMISSION OF BID

- i. The Bids shall be submitted electronically in the e-tender platform only.
- ii. Bids sent by any other mode like in person, post, Telex or Fax or e-mail will be rejected.
- iii. MEDA may at its discretion ask Bidder to submit the hard copy of any of the document submitted on e-tender platform.

13. DEADLINE FOR SUBMISSION OF BIDS

- i. Bids must be uploaded by the bidder through e-tender process not later than the time and date specified in the invitation for Bids.
- ii. MEDA may, at the discretion, extend this deadline for submission of bids on e-tender platform.

14. CLARIFICATION OF BIDS

During evaluation of Bids, MEDA may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing.

15. PRELIMINARY EXAMINATION

- i. The MEDA will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- ii. The Bidder is required to carefully examine the Technical Specification, terms and Conditions of Contract, and other details relating to components of work as given in the Bid Document.
- iii. The Bidder shall be deemed to have examined the bid document including the agreement/ contract to have obtained information on all matters whatsoever that might affect to execute the project activity and to have satisfied himself as to the adequacy of his bid. The bidder shall be deemed to have known the scope, nature and magnitude of the work in accordance with the Bid document.
- iv. Bidder is advised to submit the bid on the basis of conditions stipulated in the Bid Document.
- v. Bidder's standard terms and conditions if any will not be considered. The cancellation / alteration / amendment / modification in Bid documents shall not be accepted by MEDA.

16. ACCEPTANCE OR REJECTION OF BIDS

- i. MEDA reserves the right to accept or reject any bid or all the bids and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected bidder or bidders, of the grounds for the said action.
- ii. Any Bid with incomplete information is liable for rejection.
- iii. For each category of pre-qualification criteria, the documentary evidence is to be produced duly attested by the authorized representative of the bidder and serially numbered. If the documentary proof is not submitted for any criteria the Bid is liable for rejection.
- iv. If any information given by the bidder is found to be false/fictitious, the Bidder will be debarred for 3 years from participating in any other tenders of MEDA and will be black listed.

17. CRITERIA FOR BIDS EVALAUTION

a) Step1: Test of Responsiveness

- i. Prior to evaluation of Bids, MEDA shall determine whether each Bid is responsive to the requirements of the tender document. A Bid shall be considered responsive only if all documents as outlined in the tender document for two stage bid process are submitted as per the pre-defined format.\
- ii. MEDA reserves the right to reject any Bid which is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by MEDA in respect of such Bid.

b) Step2: Bid Evaluation

- i. Bid evaluation will be carried out considering the information furnished by Bidders as per the Tender documents. Based on technical/ qualifying criteria qualified bidders will be short listed.
- ii. Failure to furnish all information required in the tender document will be at the Bidder's risk and may result in rejection of the bid. Rights will be reserved by MEDA.

c) Financial Evaluation

The price bids of the eligible bidders will then be evaluated in the manner provided below;

- i. At the outset, the price bids of all the Bidders who are technically qualified in technical evaluation shall be opened, as per rules.
- ii. The bidder's names, the Bid Prices, total amount of each bid and other details as MEDA may consider appropriate, will be announced and recorded by MEDA at the opening. Final evaluated sheet will be declared on GoM e-Tender site.
- iii. Bidder that has quoted the lowest price (inclusive of all the taxes/duties) without breach any technical specification as per terms and condition shall be declared as the successful Bidder, and the work orders will be awarded.

18. AWARD CRITERIA AND AWARD OF CONTRACT

MEDA will award the contract to the successful L-1 bidder. However, in this respect all rights are reserved with Director General, MEDA.

19. CORRUPT OR FRADULENT PRACTICES

MEDA requires that Bidders shall observe the highest standard of ethics during the execution of contracts. In pursuance of this policy, MEDA Defines, for the purposes of this provision, the terms set forth as follows:

- i. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

- ii. “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government, and includes collusive practice among Bidders (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;
- iii. will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- iv. will declare a firm ineligible for a period of 3 years, if it at any time it determines that the firm is engaged in corrupt or fraudulent practices in competing for awarded work at Government financed contract, or in executing a contract.

20. CONDITIONS FOR ISSUING WORK ORDER TO LOWEST BIDDER

- i. If declared L1, as per financial bid evaluation, the bidder has to submit description and specification of materials in detail which will be used in project along with a letter of undertaking on the letter head of bidder’s company mentioning similar material (with same specification and description) will be used/replicated at all awarded project sites.
- ii. An undertaking by the bidder on Rs.100/- stamp paper mentioning address of registered office, his establishment of required service stations within jurisdiction, names of his site engineer/ manager & their contact phone numbers, also contact number & address of local personnel of the company who is responsible for carrying out comprehensive maintenance contract (CMC) of the project for 5 years.

21. TERMS OF PAYMENT:

a. Release of 80% of total project cost: - (As per availability of funds)

It will be released after supply, installation & successful commissioning of the Solar Steam Cooking systems consisting of Scheffler Dish Concentrator duly certified by Bidder, MEDA representative & authorized person of Beneficiary, along with following documents:

- i. Joint Inspection Report duly signed by representative of beneficiary, Bidder representative, MEDA official, along with system photographs with lat-long.
- ii. Submission of Project Insurance policy documents effective from date of commissioning of the system for period of 01 year and undertaking from insurance provider / bidder for annual renewals during next 4 years of CMC period, covering all eligible risks.
- iii. Warranty/Guaranty Certificate of materials used in project.
- iv. Comprehensive Maintenance Contract (CMC) document as per clause mentioned in section IV “Technical Specification of Solar Steam Cooking System” for 5 years on the letter head of bidder.

b. Release of 20 % of total project cost: - (As per availability of funds)

It shall be released on submission of following documents:

- i. Three-month successful performance report in prescribed format which should be duly certified by Bidder, MEDA representative & authorized person of Beneficiary.
- ii. Submission of Performance Bank Guarantee of 10% of total project cost from any Nationalized Bank in favour of Maharashtra Energy Development Agency valid for 5 years.

c. Deduction: -

- i. The TDS will be deducted as per the Govt. rule and regulations.
- ii. MEDA will issue necessary certificates of TDS deduction

22. TIME FRAME:

The time frame for the completion of work is **150 days** from the date of issue of work order. Bidder should follow the project timelines and also bound to complete the progress of project work.

23. EXTENSION / PENALTY CLAUSE-

- I. If project not being installed or commissioned within the given time line due to any reason, then the contractor shall seek the time extension before expiry of original time limit, by mentioning the valid reasons therefore. For delay on part of the contractor for any reason, extension up to 6 weeks with penalty @0.5% / week of the work order cost, and for further delay of next 6 weeks, penalty will be charged @1% / week, subject to max. Penalty limited to 10% of work order cost.
- II. From date of issue of work order, every 15 day's report of work progression needs to be submitted to DGM Pune and CC to General Manager Solar.

SECTION-III

GENERAL CONDITIONS OF CONTRACT (GCC)

1. General Terms and Conditions:

The following are the General Terms and Conditions of Contract for Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with 16 sq. meter each Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra as per the specifications given in the document.

- a) Joint Venture is not permitted.
- b) Bidder shall be responsible for any damage occurred, if any, to other at the site during the execution of work.
- c) The Bidder should provide appropriate tools and equipment's to the workmen and ensure that those are in proper working condition and the workmen use the appropriate tools and take precaution **“PLEASE NOTE THAT ANY ACCIDENT TO THE WORK MEN / PUBLIC / ANIMALS / PROPERTY BOTH MOVABLE AND IMMOVABLE SHALL BE ENTIRE AND SOLE RESPONSIBILITY OF THE BIDDER AND ANY PROCEEDING ARISING OUT OF THE SAME SHALL BE AT THE BIDDER'S RISK AND COST, MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA) OR ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR ANY SUCH INCIDENT”**.
- d) The bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of Solar Steam Cooking Systems Consisting for 1300 no of peoples in last Seven Financial years as on last date of bid submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.

And

As per above, the bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of at least 02 (Two) Solar Steam Cooking System Consisting having an individual capacity of 260 no of peoples or above in last Seven Financial years and till last date of bid submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.

The list of projects commissioned at least 6 months prior to Techno-Commercial Bid Opening date, indicating whether the project is functioning, along with a scanned copy of the Commissioning certificate and Work order / Contract / Agreement/LOI from the Client / Owner shall be submitted in support of Clause above.

SIGNATURE AND SEAL OF TENDERER

The Performance Certificate must be issued minimum six (06) months from the date of commissioning. The Performance Certificate/Joint meter reading (JMR) reports shall be issued from any state/ central owned agencies or state power departments or authorized representative of Power off taker (Discom).

- e) A job executed by a Bidder for its own plant/ projects cannot be considered as experience for the purpose of meeting the Eligibility Conditions of the tender. Also, the jobs executed for Subsidiary/ Fellow subsidiary/ Holding company will not be considered as experience for the purpose of meeting Eligibility Conditions.
- f) The manufacturer / Bidder shall supply all technical literature and drawing considered necessary for the installation, operation and maintenance of the equipment and its fittings. These shall essentially include: -
 - i. Drawing showing over all dimensions and all other details including sectional view of the equipment's.
 - ii. Manual of instructions for the operation, maintenance and repairs/equipment and special fittings, if any.
 - iii. Checking methods and schedule for cleaning the system.
 - iv. Any other relevant technical data which would be of assistance for efficient operation and maintenance of the system.
- g) The supplier shall train beneficiary organization's/Department's personnel for the operation and maintenance of the equipment for a particular period, mutually agreed between the supplier and the beneficiary organization/Department.
- h) The suppliers will have to undertake repair of the system installed by them, in case of any defect arising out of any point of time during warranty period.
- i) All the elements of the system which fail due to manufacturing defect within the period of guarantee shall be replaced by the bidder free of cost.
- j) The Bidder shall carry out the work strictly according to the specifications as per given in **Section-IV** and complete the work within stipulated time.
- k) It is the responsibility of Bidder to submit the reports for systems installed & commissioned and certificates for undertaking the responsibility of maintenance of the systems, to MEDA with a copy to Beneficiary. Bidder shall also impart training to the user for regular Operation & Maintenance of the systems and certificate in this respect should be submitted.
- l) Bidders should give Guarantee against any manufacturing defects from the date of commissioning up to 5 years CMC period. For any manufacturing defects, bidder shall replace defective parts at free of cost during the CMC period and shall keep the system functional.
- m) Bidders and User/Beneficiary Agency shall allow MEDA officials to do inspection as and when necessary, during the execution of work and thereafter subsequent to installation and commissioning of the work for the purpose of issuing final completion certificate.

- n) In the event of any discrepancy observed in specifications, the specifications given by MEDA will be final. In the event of dispute arising any time, related to this work and document, decision of the Director General MEDA, or his nominee, shall be final.
- o) MEDA at its discretion may visit supplier's factory for testing / inspection at any time during the period of supply and installation of the systems.
- p) MEDA will not pay any interest on any amount, due to the Bidders.
- q) During the inspection, if any deviations in Technical Specifications are observed, MEDA reserves right to test any equipment of solar steam cooking system at any authorized test centre of MNRE. Bidder shall provide the facilities for getting the sample tested & the supplier shall bear the cost for the same.
- r) If the supplier fails to complete the work or partially completes it then, MEDA reserves right to cancel the work order and get it done from other supplier and any loss due to this shall be recovered either from any amount due to the supplier or from their Security Deposit.
- s) It will be responsibility of the Bidder to ensure the satisfactory performance of the system.
- t) The Bidder shall provide the display board of size 3ft x 3ft that gives detailed information of system along with the contact details of manufacturer. This will help the beneficiary during 5 years CMC period.
- u) The Bidder shall comply with the provision of contract labour (Regulation and Abolition) Act 1970, minimum wages Act 1948, payment of the wages Act 1963 Workmen's Compensation Act 1961, the contract labour (Regulation and Abolition) Act 1979 and all other related Acts and any modification thereof or any law relating thereto and rules made there under from time to time.
- v) In the event of dispute during installation & commissioning of the systems related to the work and documents, decision of the Director General, MEDA, Pune shall be final.
- w) The Director General, MEDA, Pune reserves the rights to distribute the work among the Successful Bidders who are eligible and have submitted the offers subject to matching L1 cost.
- x) The Director General, MEDA, Pune reserves the right to select L2 Bidder i.e. second lowest Bidder to complete the work, if L1 i.e. lowest Bidder fails to fulfil tender conditions or fails to complete the work.
- y) It is binding on the successful Bidder to submit original certificates, documents required by MEDA.
- z) MEDA at its discretion may visit Bidders factory for testing / inspection of the material to be utilized for work. The testing shall be carried out in manufacturer's premises and / or at appropriate testing laboratory or as per direction of Director General, MEDA, Pune or his authorized representative. However, inspection of material at site will be considered as final inspection.
- aa) Blacklisted Companies / Firms by any Government/Semi-Government Organization can't participate in the bid.
- bb) Director General, MEDA, Pune has right to dis-qualify/ blacklist the bidders, those are not giving

proper O&M services to the beneficiaries after commissioning of projects/equipment.

2. Communications

- i. Wherever provision is made for the giving or issue of any notice, instruction, consent, approval, certificate or determination by any person, unless otherwise specified such communication shall be in writing and shall not be unreasonably withheld or delayed.
- ii. Project review coordination meetings between the Beneficiary, MEDA's Representative and Contractor shall be conducted on a regular basis or as and when required by the MEDA, at locations decided by the MEDA, for Contractor's progress and plans for completing the remaining Works, to deal with matters affecting the progress of the Works, and to decide on responsibility for actions required to be taken. Decisions taken and instructions issued during the coordination meetings, as recorded in the Minutes, shall have the same force and effect as if they were written communications issued in this accordance.
- iii. Government of Maharashtra, Industries, Energy and labour department Government Resolution no. भांखस -2014/प्र.क्र.82/भाग-3/उद्योग-4 दि.30/10/2015 and Government Resolution no. भांखस - 2014/प्र.क्र.82/भाग-III/उद्योग-4 दि.01/12/2016 & its amendments are applicable to this tender.

3. Manner of Execution

Execution of work shall be carried out in the approved manner as outlined in the technical specifications or where not outlined, in accordance with relevant MNRE / MEDA / BIS / Indian Standard Specifications, to the reasonable satisfaction of MEDA.

- i. The Contractor should successfully complete the project within timeframe set out by MEDA and mutually agreed between Contractor / Agency and MEDA.
- ii. MEDA shall not be responsible for any loss or damage of any material when installing the systems.
- iii. Under take necessary activities during the warranty period as set out in this Contract.
- iv. It is the responsibility of successful bidder to make the insurance of Solar Cooking System from the date of commissioning for the CMC period by following standard procedure

4. Application

These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the contract.

5. Standards

The design, engineering, manufacture, supply, installation, testing and performance of the equipment shall be in accordance with latest appropriate IEC/ Indian Standards and as detailed in the Technical specifications Section as per the MNRE / MEDA requirements of the bid document and Annexure- A.

SIGNATURE AND SEAL OF TENDERER

The goods supplied under this contract shall confirm to the Standards mentioned, where appropriate Standards and Codes are not available, other suitable standards and codes as approved by the authoritative Indian Standards shall be used.

6. Inspection:

- i. The projects will be inspected for quality at any time during installation, during commission and after commissioning of the project, by MEDA officials.
- ii. Bidder shall inform MEDA in writing when any portion of the work is ready for inspection (site wise) giving sufficient notice to enable MEDA to depute officials to inspect the same without affecting the further progress of the work. The work shall not be considered in accordance with the terms of the contract until the competent person from MEDA officials certifies in writing to that effect.
- iii. Bidder has to strictly follow the specifications given in the work order while carrying out the execution of work. During inspection if it is found that Bidder has deviated from the specifications, Bidder has to do the alteration / modification / reinstallation as per the given specifications at his own cost & risk.

7. Pre-dispatch inspection:

- i. Selected bidder has to inform to MEDA once all the material of project is ready to dispatch.
- ii. MEDA representative will physically inspect sample of solar dish collector at the manufacturing unit of selected bidder. MEDA official after ensuring the technical specification as mentioned in Tender / work order. MEDA will permit to dispatch the material from the manufacturing unit only after ensuring the quality & adherence to technical specification mentioned in Tender / work order.

8. Transportation

Where the Contractor is required under the contract to transport the goods to specified locations defined as Project sites, transport to such places including insurance at his cost.

9. Sub-contracts

Sub contract is strictly prohibited. (Turnkey i.e. E.P.C. as well as C.M.C.).

10. Termination for Default

MEDA without prejudice to any other remedy for breach of contract, by written notice of default sent to the Contractor, terminate the contract in whole or part:

- i. If the Contractor fails to complete the work within the period(s) or within any extension thereof granted by the MEDA or

- ii. If the Contractor, in the judgment of MEDA has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

In the event MEDA terminates the contract in whole or in part, MEDA may get the incomplete work done upon such terms and in such manner, as it deems fit. Contractor shall be liable to MEDA for any excess costs for completing such incomplete work portion. However, the Contractor shall continue the performance of the contract to the extent not terminated.

11. Applicable Law

The contract shall be interpreted in accordance with the laws of the Union of India.

12. Notices

Any notice given by one party to the other pursuant to this contract shall be sent to other party in writing or official email and confirmed in writing to the other party's email address specified.

13. Danger plates:

The bidder shall provide at least 1 Danger Notice Plate at each Solar Steam Cooking System with inscription in signal red colour on front side as required. The inscription shall be in Marathi and English.

14. Insurance:

- i. The Bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance during CMC period of 5 years. If insurance policy provided only for 1 year, then insurance provider / bidder renewal undertaking till 5 years CMC period should be submitted by bidder.
- ii. The Bidder shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/ material/ equipment/ properties during execution of the Contract. Before commencement of the work, the Bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.
- iii. The bidder shall mandatorily provide CMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities, theft and burglary etc.

15. Warranties and Guarantees:

The Bidder shall warrant that the goods supplied under this contract are new, unused, of the most recent or latest technology and incorporate all recent improvements in design and materials. The bidder shall provide warrantee covering the rectification of any and all defects in the design of equipment, materials

SIGNATURE AND SEAL OF TENDERER

and workmanship including spare parts for a period of 5 years from the date of commissioning of system. The successful bidder has to transfer all the Guarantees/ Warrantees of the different components to the Owner of the system. The responsibility of operation of Warrantee and Guarantee clauses and Claims/ Settlement of issues arising out of said clauses shall be joint responsibility of the successful bidder and the owner of the system and MEDA will not be responsible in any way for any claims whatsoever on account of the above.

16. SAFETY MEASURES: -

The Project developer shall take entire responsibility for electrical safety of the installation(s) including connectivity with the grid and follow all the safety rules & regulations applicable as per Electricity Act, 2003 and CEA guidelines etc.

The awarded bidder must provide fire extinguisher and other safety equipment.

Undertaking
(On Rs.100/- Stamp Paper)

I _____, Age - _____, Years, Occup. - _____, Address- _____, the (authorized signatory) of M/s _____ (Company) having registered office at _____ hereby state that, I/my company is intending to participate for tender no. **REN/SOLAR/SRPF PUNE/2024-25/01 - Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with 16 sq. meter each Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra**

I have read all the terms & conditions mentioned in the Tender document of the MEDA. I hereby further undertake and declare that all the terms & conditions mentioned in each and every page of the said tender document along with the clarifications released, if any, are binding on me / my company and I am fully aware that, in case of breach of any term or condition of the said Tender document, I am/my company is liable to be disqualified from the said tender process.

Sign:

Name of authorized Signatory:

Name of Company with Stamp:

SECTION-IV

TECHNICAL SPECIFICATION OF SOLAR STEAM COOKING SYSTEM CONSISTING OF SCHEFFLER DISH CONCENTRATOR

Scheffler Concentrator	
The Solar Steam Cooking System with Scheffler Dish Concentrator Should be as per the Bureau of Indian Standards – IS 16648 (Part 1):2017, IS 16648 (Part 2) : 2017, IS 16648 (Part 3) : 2017, IS 16648 (Part 5) : 2017 and other related standards.	
Concentrator aperture area	16 Sq Meter per Scheffler Dish.
Reflector	<p>Reflectors may be of aluminum or glass mirror or reflector films.</p> <ol style="list-style-type: none"> Aluminum Reflector :- Material shall be solar grade anodized aluminum substrate with suitable coating for corrosion protection. <ol style="list-style-type: none"> Specular reflectance shall be minimum 88 percent. The specimen of reflector shall be tested as per ASTM E 903. Measurement of spectral reflectance near normal conical reflectance is made over the spectral range from approximately 300 to 2 500 nm with an integrating sphere spectrophotometer having a small conical solid angle of incident flux on sample. The solar reflectance is obtained by calculating a weighted average over wavelength with a standard solar spectral irradiance as the weighting function by either the weighted or selected ordinate method. Durability shall be minimum 5 years The mirror specimen shall be subjected to the neutral salt spray test as per IS 9844 or equivalent standards. The exposed specimen should not have any blisters, degradation of back coating after exposure of 250 h. Thickness shall be 0.3 mm minimum in order to get paraboloid shape, if required. Glass reflectors :- Material shall be tempered and toughened solar grade glass with silvered front or back reflective coating. The edge sealing coat on the front or back as well as on all sides of mirror shall be done for corrosion protection. <ol style="list-style-type: none"> Specular reflectance shall be minimum 90 percent. The specimen of reflector shall be tested as per ASTM E 903. Measurement of spectral near normal conical, hemispherical transmittance (or reflectance) is made over the spectral range from approximately 300 nm to 2 500 nm with an integrating sphere spectrophotometer having a small conical solid angle of incident flux on sample. The solar reflectance is obtained by calculating a weighted average over wavelength with a standard solar spectral irradiance as the weighting function by either the weighted or selected ordinate method. Durability shall be minimum 10 years. The mirror specimen shall be subjected to the neutral salt spray test as per IS 9844 or equivalent standards. The exposed specimen should not have any blisters, degradation of back or front coating after exposure of 250 h. Thickness shall be 3 mm to 4 mm with parabolic shape. Reflector Films :- Material shall be polyester, acrylic, epoxy acrylic coated with silver/aluminum to get reflective coat. Silver reflective film shall be backed by aluminum or any suitable substrate. Edges should to sealed using tape or any suitable material. <ol style="list-style-type: none"> Specular reflectance shall be minimum 94 percent. The specimen of mirror shall be tested as per ASTM E 903. Measurement of spectral near normal conical, hemispherical transmittance (or reflectance) is made over the spectral range from approximately 300 nm to 2500 nm with an integrating sphere

SIGNATURE AND SEAL OF TENDERER

	<p>spectrophotometer having a small conical solid angle of incident flux on sample. The solar reflectance is obtained by calculating a weighted average over wavelength with a standard solar spectral irradiance as the weighting function by either the weighted or selected ordinate method.</p> <p>b) Durability shall be minimum 10 years. The mirror specimen shall be subjected to the neutral salt spray test as per IS 9844 or equivalent standards. The exposed specimen should not have any blisters, degradation of back coating after exposure of 250 h.</p> <p>c) Thickness of substrate shall be 0.38 to 0.5 mm and thickness of reflective film shall be 0.10 to 0.12.</p>
Receiver	<p>The receiver of scheffler reflector shall be in, that it may be a dome type, a cavity type or a helical tube cavity. Material of construction shall be as per IBR (Indian Boiler Regulation) norms. Insulation shall be as per IS 14164. Appropriate coating shall be applied on the receiver for minimum emissivity. The coating should withstand the stagnation temperature of receiver.</p> <ol style="list-style-type: none"> 1. Absorber coating for absorber surface temperatures less than 200°C shall be black chrome, paint or selective coating [AS(C2-80)]. Absorptivity shall be minimum 0.9 in optical range of wavelength (300 to 2 500 nm) and emissivity less than 0.2 in IR range of wavelength. The durability of absorber coating shall be minimum 10 years. The absorber sample shall be subjected to the neutral salt spray test as per IS 9844 or equivalent standards. The exposed sample should not have any blisters, degradation of back coating after exposure of 250 h. 2. No coating to be applied for absorber surface temperatures more than 200°C for cavity type of receivers. The glass cover shall be optional on the receiver mouth. Transmittance of glass shall be minimum 95 percent. 3. The absorber shall be made of boiler grade alloy steel or stainless steel as per IBR with thickness suitable to stand the design pressure and temperature with corrosion margin as per IBR.
Collector and Support Structure with Civil Foundation	<ol style="list-style-type: none"> 1. Collector and mirror support structure with civil foundation — the basic framework the trough support shall be steel or aluminum. 2. The basic frame work of the paraboloid dish and support shall be standard structural steel or aluminium. The collector is made of aluminum or steel structure for mounting reflectors. The collector along with mirror is put on support structure along with tracking mechanism. 3. The structure shall be designed to withstand wind speed of 47 m/s under stow condition and 10 m/s under operating condition. Structure design shall be as per IS 875 (Part 2) and IS 875 (Part 3). 4. Material of collector structure and support shall be as per IS 2062, and shall be protected from corrosion with suitable process such as galvanization, cathode electrode deposition (CED) or any suitable painting process. The design shall be suitable for life span of 20 years. The design shall be suitable for life span 20 years. 5. The support structure fabrication for Scheffler reflector shall be as per IS 800. 6. The weather proof coating for support structure shall be as per IS 1477 (Part 1). <ol style="list-style-type: none"> a) Dimensional accuracy and tolerances shall be defined by manufacturer in order to get the required optical efficiency for the specific design. b) Length and width for square / rectangular dish: in mm with +/– tolerance c) Or diameter for circular dish : in mm with +/–tolerance d) Or major and minor diameters for elliptical dish : in mm with +/– tolerance e) Paraboloid tolerance : tolerance from standard parabola in mm. f) Axes tolerance: tolerance from designed axes in mm. <p>The tolerance shall be defined by manufacturer in order to get the required optical efficiency for the specific design.</p>

Tracking System	<p>Tracking system enables reflector to remain focused towards the Sun so as to capture maximum possible direct radiation during the day. Tracking shall include motors, gearbox or rack and pinion and control system</p> <ol style="list-style-type: none"> 1. Accuracy requirement shall be decided for the specific manufacturer's design which shall be based on concentration ratio. 2. Tracking motor shall be Servo/Stepper/Induction as per IS 9815 (Part 1), IS 13079, IS 12615 respectively suitable for the load for taking in stow position at full speed. 3. Electrical system such as wiring, connections shall be as per IS 732. 4. Electronic and control system mounted outdoor shall get exposed to all types of weather conditions. In view of the same, the control panel and electronic components shall be protected as per IS/IEC 60529.
<p>Concentration Ratio — A ratio of aperture area to receiver area.</p>	<p>The Concentration ratio of Scheffler dish collector should be design to get the maximum output from the system. Typically for Medium-Temperature Applications: Used for industrial heating or advanced cooking systems. The CR should be in the range: 100 to 300.</p>

Heat receivers, Headers and piping
<ul style="list-style-type: none"> ● Tested working fluid pressure: 1.5 times of designed pressure ● Receivers : Of boiler/standard industry quality to sustain required temperature and pressure ● Header material and piping : Designed & manufactured as per IBR/ standard industry quality
Insulation
<ul style="list-style-type: none"> ● All working fluid piping to be insulated with minimum thickness of 50 mm of PUF or rock wool. Headers or water-steam tank, insulated sides of receiver etc. to have minimum insulation of 75 mm. For colder regions facing subzero temperatures, minimum thickness will be 100 mm and 150 mm respectively. In such regions cold water pipe lines including valves etc. will also be insulated. Insulation on receivers should withstand a minimum temperature of 600c. ● All insulated components to have Al sheet or powder coated steel sheet cladding as per industrial practices so as not to allow rain water to sip in the insulation.
Instrumentation & Controls
<ul style="list-style-type: none"> ● Complete with all instrumentation such as pressure gauge, temperature indicator, fluid level indicators, safety valves, fluid meter etc. Data acquisition and control system with online monitoring to be installed for automatic monitoring, control and record of all important process parameters in installations above 500 sq. m. of dish area.
Cooking Chamber
<p>Stainless steel cooking chamber along with necessary insulation jacket to provide high heat transfer to cooking vessels to cook 500 persons meals.</p>
Other requirements
<ul style="list-style-type: none"> ● The entire structure to be strong enough to withstand wind of 150 km per hour without any damage ● This is an indirect type of solar cooking wherein a heat transfer fluid is heated along the focus of the Scheffler concentrator and the what is delivered in the cooking zone that will be indoor ● Necessary arrangement for the thermic fluid to pump in the closed loop is mandated ● All parts/components will be of weather resistant design/specifications to withstand natural weathering outdoors under local climatic conditions, for a minimum period of 15 years. Warranty for a minimum period of 5 years will be provided by the supplier. Necessary spares will also be provided so that the user do not face any problem at least during the warranty period. ● The steel structures provided to support various components of the system will be fabricated in such a

way that they are able to take load (both wind load and static dead load) of the whole system. In case the terrace where the system is to be installed is not strong enough to bear the loads, these should be transferred into columns and beams and the proposed load arrangement must be discussed with the concerned civil engineering department and their approval obtained.

- The personnel of the buyer/user institution will be trained by the supplier in the operation and maintenance of the system and its back-up system. Proper manuals will be prepared and provided to the user. Log book will also be supplied to the user so that proper documentation is maintained.
- The other important features of system will be i) it will have easy access to the user and proper walkway and platforms will be supplied for easy operation and maintenance of the system wherever necessary ii) safety features such as safety valves etc will be incorporated in the system so that system does not explode under pressure and iii) proper instrumentation as mentioned above will be provided so that user could see the status of system and take precautions /corrective steps if the system does not behave as expected.

Operation and Maintenance (O&M)

All components, sub-assemblies and system test parameters shall be verified on site to ensure they meet the specifications.

1. Visual Inspection of the plant: Monthly
2. Functional Checks of Protection Components
3. Clean dish area if required Quarterly.
4. O & M log sheet shall be provided and maintained.
5. The repair/replacement work shall be completed within 48 hours from the time of reporting the fault.
6. A half yearly performance report of the Solar steam cooking system
7. All data for the first 5 years shall be preserved in both manual and computer format and submitted at hand over.

COMPREHENSIVE MAINTENANCE CONTRACT (CMC)

- (i) **The complete Solar Cooking System must be guaranteed against any manufacturing / design/ installation defects for a minimum period of 5 years.**
- (ii) During the CMC period, MNRE / MEDA will have all the rights to cross check the performance of the Solar cooking system. MEDA may carry out the frequent inspections of the cooking system installed and randomly pick up its components to get them tested at Govt. / MNRE approved any test centre. If during such tests any part is not found as per the specified technical parameters, MEDA will take the necessary action. The decision of MEDA in this regard will be final and binding on the bidder.

APPENDIX- I (A)

Bidder's Information Sheet

Bidder shall provide the information requested in the corresponding Information Sheets included here under.

Sr. No.	Particulars	
1.	Name & Mailing Address of firm	
2.	Contact Person Name, Designation & Contact No.	
3.	Registered office address and E-mail Address for correspondence	
4.	Firm Website Address	
5.	Firm Status (Private / PSU / Incorporate / Proprietor)	
6.	Establish Year of firm	
7.	PAN/ TAN No.	
8.	Firm Registration No / ROC	
9.	GST Registration No.	
10.	Turnover (in Crores Rs.)	
11.	Company Profile (<100 words)	
12.	Skilled manpower	
13.	Experience in SPV Power Plant (<100 words)	
14.	Experience in other solar projects (<100 words)	
15.	Solar related Product Range	
16.	Experience in Guarantee, Maintenance & After Sales Services (Years)	
17.	Accreditation	
18.	List of ISI, ISO, Other certificates.	
19.	Technical specification for Scheffler Collector.	
20.	Technical specification for Central Tracking System.	
21.	Other Technical specification for the components used in the Solar Steam Cooking System, if any	

Sr. No.	Particulars	
22.	Has any Govt. / Under - taking ever debarred the company / firm from executing any work?	
23.	Special Remarks, if any	
24.	Attached are copies of the necessary original documents.	
I.		
II.		
III.		

It is certified that the information provided above is true to the best of my knowledge and belief. If any information found to be concealed, suppressed or incorrect at later date, our tender shall be liable to be rejected / cancelled and our company may be debarred from executing any business with MEDA.

Date:

Place:

Signature of Bidder

Name:

Designation:

APPENDIX- I (B)

Annual Turnover

(On C.A.'s letter head)

This is to certify that, the (Name of Firm) registered as /
under..... having registered address
..... and assess to
income tax with Circle, ... (location) and holding IT PAN Further, it is certified
that, the sales / turnover of the above referred company for the last three years are as under.

Annual Turnover Data for last 5 Years (FY 2021-22, 2022-23 & 2023-24)	
Year	Rs in Lac
2021-22	
2022-23	
2023-24	
Total	

We have verified the books of accounts, records and other relevant documents. This certificate has been issued on the basis of data / information produced before us and on the request of the client.

Signature of Applicant

Certified by Applicant's Auditor
(Affix Stamp)

APPENDIX- II

FORM OF PERFORMANCE BANK GUARANTEE

(In Prescribed format)

To: Maharashtra Energy Development Agency

Represented by,

Director General

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

(A Government of Maharashtra Institution) Aundh Road, Opposite Spicer College,

Near Commissionerate of Animal Husbandry, Aundh Pune-411007.

WHEREAS *[name and address of Contractor]* (hereinafter called "the **Contractor**") has under taken, in pursuance of **Work order No.** _____ **Tender no.**for works _____, dated _____ 2024 towards **Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at:**

Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra (here in after referred to as the contract of works) and as described in the Bidding Data in Maharashtra State for works under single point responsibility "**Turnkey Contracts**" basis (hereinafter called "the **Contract**");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ *[amount of Guarantee]* _____ *[in words]*, and we undertake to pay you, through our branch office at _____ upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of Guarantee]* as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

SIGNATURE AND SEAL OF TENDERER

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the date of completion of the defect's liability period, with a claim period of further one month.

Yours truly,	_____
Signature and seal of the Guarantor:	_____
Name of Bank/Financial Institution:	_____
Address:	_____
Date:	_____

APPENDIX- III

Experience for supply and Commissioning and O&M during CMC of Solar Steam Cooking System

Sr. No.	Name of Beneficiary and address with E-mail Id and Contact No. (Landline & Mobile No.)	Solar Cooker Capacity (Nos of Meal per day)	Year of Work	Date for commissioning / Current Status of System (Attach certificate by user Agency)

*Self-attested copy of work order attached herewith

Signature of Bidder

Name

Designation

Company

Date

Place

SIGNATURE AND SEAL OF TENDERER

APPENDIX- IV

SITE VISIT REPORT LETTER

(To be submitted separately for each location on letterhead of bidder)

Date: _____

To,
Director General
Maharashtra Energy Development Agency,
MEDA, _____.

Sub.: Site Visit Report for

Ref.: MEDA's Tender No. _____

Sir,

This has reference to above referred tender of **Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra.**

I hereby declare that we have visited site.

I made ourselves acquainted with site conditions, approach to site, requirement of land, soil conditions, availability of water, requirement of tender conditions etc.

I verified all details required to execute the projects. I have no problems in undertaking the projects and complete them in the given time period.

Thanking you

Yours faithfully,

(Signature of Bidder)

Name of Bidder _____

Designation _____

APPENDIX- V

DECLARATION **(Power of Attorney)**

(To be submitted on Rs. 100/- stamp paper)

I/We, M/s.....having permanent address.....is interested in participating tender for Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System with Scheffler dish Suitable for cooking daily meals for lunch and dinner of total 2600 Peoples at: Mess Building, State Reserve Police Force (SRPF) Group No. 1, Ramtekdi Pune (250 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 2, Ramtekdi Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 5, Daund, Pune (300 Peoples), Mess Building, State Reserve Police Force (SRPF) Group No. 7, Daund, Pune (250 Peoples), Training Institute, Nanvij, State Reserve Police Force (SRPF) Daund, Pune (1500 Peoples), in the State of Maharashtra

I authorize hereby following person to representing.....(name of company) in the tender process by Maharashtra Energy Development Agency (MEDA), Pune. I hereby authorize following person from our company to quote in the tender for this project.

- 1.
- 2.
- 3.
- 4.

I will be fully responsible for all aspects of tender for the total work executed by our company in the above project during the tenure of the project inclusive of 5 years CMC period. And also, in case if our company does not complete the work in stipulated time, then we shall be responsible.

(Signature of Tenderer Company Head)

Name: _____

Date :

Designation: _____

Place :

Name & Address of the Company

Seal:

Designation

SIGNATURE AND SEAL OF TENDERER

APPENDIX- VI

BANK DETAILS

Sr. No.	Particulars	
1	Name of Bank	
2	Name of Branch/ IFSC Code	
3	Account Name	
4	Account Number	
5	Type of Account	

For
(Company Name)

Name of signing authority / Designation / Place / Date

APPENDIX- VII
DETAILS FOR O & M TEAM

Sr. No.	Particulars	
1	Name of Concern Authority for Operation & Maintenance/ Operation Head for Installed System	
2	Contact No. (Landline and Mobile No.)	
3	Email Id.	
4	Detailed Address for correspondence (Local Branch Office; Separate setup for Operation & Maintenance, if any)	
5	Details & No. of Qualified & Experienced Technical Experts	
6	Details & No. of Skilled labour	
7	Details & No. of Unskilled labour	

Successful bidder shall have to provide adequate man power & tools-tackles during entire period of CMC.

Also, successful bidder shall have adequate insurance, to protect entire system for the period up to the period for CMC.

For

(Company Name)

Name of signing authority / Designation / Place / Date

APPENDIX- VIII

DETAILS OF OFFERED SYSTEM

Detailed Technical Specifications of Equipments Supplied by the Bidder

Sl.No.	Components	Detailed Specification Make
1	Reflecting Bowl	
	Dish Aream ²
	<u>Reflecting mirrors</u>	
	i) Material	
	ii) Reflectivity	
	iii) Mirror fixing	
2	Concentration ratio (Aperture/Receiver areas)	
3	Bowl Supporting Frame	
4	Bowl Stand	
5	Tracking Mechanism	
6	Cooking Vessel	

***Note:** Bidders to submit technical Brochure for offered **Solar Steam Cooking System** along with test certificates / reports compiling applicable Standards as per guidelines issued by MNRE & with details of Guaranty & Warranty. Sub-standard makes or indication of 'Equivalent make' shall strictly be avoided.*

For
(Company Name)
Name of signing authority / Designation / Place / Date

SIGNATURE AND SEAL OF TENDERER

APPENDIX- IX

DECLARATION

(On company's letter head)

To,

Director General

Maharashtra Energy Development Agency,

MEDA, _____.

Reference: E-tender no. _____

Respected Sir/Madam,

1. We have carefully read and understood all the terms and conditions of the tender and hereby convey our acceptance to the same.
2. The information / documents furnished along with our offer are true and authentic to the best of my knowledge and belief, we are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of our tender at any stage besides liabilities towards prosecution under appropriate law.
3. We have apprised our self fully about the job to be done during the currency of the period of agreement and also acknowledge bearing consequences to of non-performance or deficiencies in the services on our part.
4. We have no objection, if enquiries are made about the work listed by us.
5. We have not been barred or blacklisted by any Government Agency / Department / PSU or any such competent Government authority, organization where we have worked. Further, if any of the partners/directors of the organization /firm is blacklisted or having any criminal case against them, our bid shall not be considered. At any later point of time, if this information is found to be false, Director General, Maharashtra Energy Development Agency, may terminate the assigned contract immediately.
6. We have not been found guilty by court of law in India for fraud, dishonesty or moral turpitude.
7. We agree that the decision of Director General, Maharashtra Energy Development Agency in selection of Bidders will be final and binding to us.

For

(Company Name)

Name of signing authority / Designation / Place / Date

List of Documents

(Please submit Documents as per Serial no. given below mentioning the Page number)

Sr. No.	Particulars
1	Copy of receipt of tender fee
2	Copy of receipt for EMD
3	Duly stamped and signed Tender Document (E-Sign is permitted)
4	Industry /Firm/Company registration certificate (MSME allowed) indicating valid certification, related to solar work.
5	Copy of PAN Card
6	Copy of GST registration
7	Power of attorney; for company's authorized person (Appendix-V)
8	Self-Certification of No Barr/non failure/blacklisted (Appendix-X)
9	Bank details of bidder (Appendix-VI)
10	Bidder's Information Sheet (Appendix-IA)
11	Details of set-up for after sales service (Appendix-VII)
12	<p>Financial credentials of bidder (Refer Appendix-IB), along with:</p> <ol style="list-style-type: none"> 1. Scanned copy of IT returns for three financial years, supporting with (FY 2021-22, 2022-23 & 2023-24) 2. Summary of balance sheet / auditor's report. Only profit-making organizations are eligible. (FY 2021-22, 2022-23 & 2023-24) 3. Minimum Average Annual turnover during the last 03 (three) Financial years, should be at least 40% of the estimated Project cost/Cost estimate. Submit CA certified financial status statement for the same. 4. The bidder should be, either of the following: <ol style="list-style-type: none"> i. Manufacturer of Solar PV Module or ii. Manufacturer of Solar Thermal or iii. Manufacturer of Solar Steam Cooking system or iv. EPC/SI of 'similar works' <ol style="list-style-type: none"> a. Similar Works' means – Design, Manufacture, Supply, Installation, Testing and Commissioning with Five Years Comprehensive Maintenance Contract of Solar Steam Cooking System Consisting of Scheffler Dish Concentrator.
13	<p>Experience for installation and commissioning of Sola Steam Cooking System (Refer Appendix-III). Along with :</p> <p>Technical Eligibility Criteria:</p> <p>The bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of Solar Steam Cooking Systems Consisting for 1300 no of peoples in last Seven Financial years as on last date of bid submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.</p> <p>And</p> <p>As per above, the bidder should have experience in development of Solar Steam Cooking System on Turnkey basis including Design, Manufacture, Supply, Installation, Testing and Commissioning of at least 02 (Two) Solar Steam Cooking System Consisting having an individual capacity of 260 no</p>

SIGNATURE AND SEAL OF TENDERER

	<p>of peoples or above in last Seven Financial years and till last date of bid submission. However, such Solar Steam Cooking System must have been in satisfactory operation for at least six (06) months from the date of commissioning.</p> <p>The list of projects commissioned at least 6 months prior to Techno-Commercial Bid Opening date, indicating whether the project is functioning, along with a scanned copy of the Commissioning certificate and Work order / Contract / Agreement/LOI from the Client / Owner shall be submitted in support of Clause above.</p> <p>The Performance Certificate must be issued minimum six (06) months from the date of commissioning. The Performance Certificate/Joint meter reading (JMR) reports shall be issued from any state/ central owned agencies or state power departments or authorized representative of Power off taker (Discom).</p> <p>A job executed by a Bidder for its own plant/ projects cannot be considered as experience for the purpose of meeting the Eligibility Conditions of the tender. Also, the jobs executed for Subsidiary/ Fellow subsidiary/ Holding company will not be considered as experience for the purpose of meeting Eligibility Conditions.</p>
14	Site visit report signed by beneficiary and bidder also (Appendix-IV)
15	Details of proposed / offered system (Appendix-VIII)
16	Format of Commitment from the Bidder.
17	Undertaking by the bidder that he has completed 75% or more number of works allotted by MEDA, within the stipulated time limits, if he has worked with MEDA in earlier two years.
18	Bidder must submit the Registered office address, details of company personnel, details of office/ service/dealership network or setup within periphery of Pune district along with documents like shop-act licence in the name of company/ dealership letter.
19	Bid Capacity of the bidder

Note:

- Above information / documents are to be uploaded / annexed and flagged as **SINGLE PDF** in prescribed format in above **SEQUENCE**.
- Bid without any of above document is liable for rejection.
- Upload necessary documents only, so as to restrict Bid with maximum 200 pages; readable scanned file for resolution not less than 100 dpi.
- Non readable documents will be rejected.
- Price should be quoted for the given quantity only.
- All formats should be submitted in given manner.