



Office Order No. 37 /1F-2025
Dated, Malkangiri the 27th February, 2025.

Tenders are invited for survey, designing, installation and maintenance for 55100 Nos. of plants Solar Powered Drip Irrigation System **at Chitrakonda Range of Malkangiri Forest Division** from reputed and experienced agencies.

Technical Specification

Key elements of a drip irrigation at Chitrakonda to be done by the bidder:

- **Site Assessment:**
 - Topographical survey: Detailed mapping of slope gradients, contours, and elevation changes.
 - Soil analysis: Understanding soil texture, water holding capacity, and drainage characteristics to select appropriate emitter flow rates.
 - Climate data: Rainfall patterns, temperature fluctuations, and potential evapotranspiration to determine the water requirements also consider the wind velocity 100 Kmph.
 - Water source evaluation: Availability, quality, and flow rate of the water source.
 - Mandatory on-site inspection in the presence of Forest Department field staff.
- **System Design:**
 - Layout: Following contour lines to minimize water runoff and ensure even distribution across the terraces.
 - Pipe selection: Choosing appropriate pipe diameters based on water flow and pressure requirements, considering potential elevation changes.
 - Emitter selection: Selecting pressure compensating emitters to maintain uniform water application across slopes.
 - Lateral lines: Installing lateral lines along contours with proper spacing.
 - Mainline design: Ensuring adequate water delivery to all laterals with proper pressure regulation.
 - Prior to awarding the contract, the detailed design must be reviewed and approved by the Tender Committee.
 - Detailed design for such realignments during casualty replacement must be included in the technical bid.
- **Gravity-fed system considerations:**
 - Water storage tank: Design and location of the water storage tank to utilize gravity flow effectively.
 - Pipe sizing: Calculating pipe diameters to manage water flow and pressure losses due to elevation changes.
 - Check valves: Installing check valves to prevent backflow and maintain water level in the laterals.

- The system must lift water vertically up to 300M. from a bore well or perennial stream.
- **Implementation Plan:**
 - Site preparation: Clearing the land, levelling terraces where necessary, and installing necessary supports for pipes.
 - Ensure alignment with site topography; realignment allowed during casualty replacement.
 - Installation of pipelines: Laying the mainline and laterals following the contour lines.
 - Emitter installation: Proper spacing and placement of emitters.
 - System testing: Checking for leaks and ensuring uniform water distribution.

Financial Specification

- **Cost Estimation:**

- Material costs: Breakdown of costs for pipes, fittings, emitters, and other components.
- Installation costs: Labor costs for excavation, pipe laying, and emitter installation.
- Maintenance costs: Estimated costs for regular cleaning and repair of the system for 5 years.
- The Financial Bid shall be comprehensive and must include:

- **Cost of Installation:**

- Detailed breakdown of installation costs including cost of survey, design, transportation, fabrication & installation at site.

- **Maintenance Charges:**

- Comprehensive maintenance cost covering a period of 5 years.
- Year wise breakup the cost.

Tenders will be evaluated based on the following criteria:

- **Technical Evaluation (70% Weightage) Mandatory qualifying documents (If omission of the documents shall liable to reject):**
 - Promptness GST and IT filing, turnover of the company.
 - Quality and feasibility of the proposed design detailing each component.
 - Relevant work experience and project portfolio.
 - Validity and quality of certificates and customer satisfaction reports.
 - Thoroughness of the site inspection and survey report and simple, yet comprehensive design for easy to installation and maintenance of the site.
 - Preference will be given to the empanelled agency by Odisha Government for current financial year.
- **Financial Evaluation (30% Weightage):**
 - Overall cost competitiveness.
 - Detailed cost breakdown for installation and maintenance services.(Year wise break down)

Note: The technical bid shall be evaluated first. Only those bids meeting the minimum technical standards will have their financial bids considered.

Commissioning:

- The integrated system shall be commissioned within 15 continuous days from the award of the contract.
- Continuous watch and ward services to safeguard the system. The bidder shall include all cost for installation of drip irrigation system in the specified location. Ground work for site preparation, Electricity for fabrication if any, water for construction of RCC structures, transportation to the site (which shall include head load in any), lodging, boarding, fooding of installation staff at the site, etc shall be included in the BID cost. No extra charges shall be borne by this office in any form whatsoever the reason may be. Before installation, the bidder shall get the designed approved from the Divisional Forest Officer, Malkangiri. (All includes GST & Other Statutory taxes & levies)

Eligibility Criteria

Experience: The bidder must have executed similar projects with a minimum value equivalent or 60% of the value of this contract. Execution of the similar or more value project will be encouraged.

• Certificates and References:

- Submission of valid certificates along with a customer satisfaction report from any Forest Department is highly desirable.
- Any submission of fake or fraudulent certificates will lead to immediate disqualification and cancellation of the contract.

• Site Visit-The bidder must participate in the mandatory site inspection along with the Forest Department field staff.

• Site Inspection Report:

- A duly signed site inspection certificate by the authorized company signatory with signature from the Range Officer, Chitrakonda. The mandatory site inspection shall be conducted on or before **10.03.2025**.

Mandatory Documents.

- i. GST return (latest), IT returns (AY 2024-25) along with copies of PAN and GST registration shall be submitted.
- ii. Original Product literature mentioning all technical specifications & service manual.
- iii. Rate quoted shall include rate for survey, installation, solar power, watch and ward, etc to make the unit fully functional including warranty period of each component.
- iv. Undertaking that all the certificates / permissions / documents are valid and current as on date and have not been withdrawn / cancelled by the issuing authority.
- v. Before installation, the bidder shall get the designed approved from the Divisional Forest Officer, Malkangiri Forest Division(Undertaking).
- vi. Presentation of Integrated Plan: - Detailed components for installation. It also includes maintenance and realignment plans. Priority will be given for simple, easy to maintain system based on field inspection and survey of different parameters.
- vii. Original demand draft for Rs. 2500/- in support of the payment cost Tender paper/money receipt issued from Malkangiri Forest Division.
- viii. The tender has to attach EMD of 30,000/- only in shape of demand draft purchased from only Nationalised Bank in favour of Divisional Forest

- Officer, Malkangiri Forest Division payable at Malkangiri along with the tender otherwise their bid shall not be qualified for the tender. The EMD shall be refunded to unsuccessful bidder.
- ix. Under taking that the company has not been black listed by any Government organization for last 5 years.
 - x. The bidders shall visit the site before participating in the bid due to hilly terrain. The bidder shall compulsorily submit the survey report counter signed by the Range Officer during the bid submission.
 - xi. A valid customer satisfaction certificate from any Forest Department.
 - xii. An inspection certificate, bearing the signature of the company's authorized signatory alongwith certificate from Range Officer, Chitrakonda
 - xiii. **Undertaking**-All information provided is true and correct.
1. The bidder has not been involved in any misrepresentation or submission of fake certificates in the past.
 2. The bidder agrees to the terms and conditions mentioned in this tender document.
 3. The bidder is fully aware of the scope and requirements of the project.

Terms and Other Conditions

- i. Payment shall only be done after submission of completion certificate and verification by the Range Officer.
- ii. Scope of supply includes Transportation, Installation, Commissioning and GST Charges to be included in the bid.
- iii. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:i) The Seller fails to comply with any material term of the Contract. ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent. iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly. iv) The Seller becomes bankrupt or goes into liquidation. v) The Seller makes a general assignment for the benefit of creditors. vi) A receiver is appointed for any substantial property owned by the Seller. vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
- iv. Noncompliance of any of the Terms & Conditions mentioned in the Bid, the bidder / seller shall be rejected.
- v. The tender inviting authority may cancel the bid at any stage without assigning any reason thereof.
- vi. The maintenance charge will be done only after satisfactory performance of maintenance and watch & ward of periodical monitoring of overall solar drip irrigation system.
- vii. Regular checking of the installed system should be done in Pre & Post Monsoon season.

Contract Award and Commencement

- The contract will be awarded based on the combined evaluation of the technical and financial bids.

- The approved design must be presented to the Tender Committee before finalizing the contract with submission of sample components.

Performance Security

- A performance security deposit of 5% of the contract value shall be deposited in the name of Divisional Forest Officer, Malkangiri.

Compliance and Penalties

- Any submission of fake or misrepresented certificates will result in immediate cancellation of the contract.
- The contractor must strictly adhere to the specifications and timelines. Non-compliance will incur penalties as specified in the contract.
- The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

Tender Reference

- **Location:** Chitrakonda Forest Range, Malkangiri Forest Division
- **Project Title:** Integrated Solar Drip Irrigation System for Reforestation Work for 55100 Nos. of seedlings (Survey, designing, installation and maintenance)
- **Date of Issue:** 03.03.2025
- **Deadline for Submission:** 12.03.2025
- **Date of Open:** 13.03.2025

Tender Documents

- Bidders must submit the Technical and Financial Bids in two separate envelopes as per the guidelines.
- Bids should be sealed and marked with the tender number and title.

Deadline for Submission

- All tender documents must be submitted by 12.03.2025. Late submissions will not be considered.

Contact Details

- Email: dfmalkangiri@odisha.gov.in
- Contact No. 8763682868


All bids must be clearly numbered and formatted in accordance with the sections mentioned above.

- **Envelope 1:** Technical Bid (70% weight age) along with undertakings.
- **Envelope 2:** Financial Bid (30% weightage)
- *Both envelopes must be sealed and submitted in a single tender package.*

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Memo No. 1145 /IF-(Acct) Dt: 27/02/2025

Copy submitted to the Deputy Director, Information and Public Relation Department (Adv) & Deputy Secretary to Govt. of Odisha, Bhubaneswar with a request to get the invitation for published in one No. of leading Newspaper Odis Daily and one No. of National English Daily Newspapers at an early for wide publication. Copy the newspaper containing the Invitation for Bids may be sent to this office for reference and record.

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Memo No. 1146 /IF-(Acct) Dt: 27/02/2025

Copy forwarded to the Chief Conservator of Forests, GIS & IT, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Memo No. 1147 /IF-(Acct) Dt: 27/02/2025

Copy forwarded to the Chief Executive Office, State Authority of CAMPA, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Memo No. 1148 /IF-(Acct) Dt: 27/02/2025

Copy forwarded to the e-Governance Manager, Collectorate, Malkangiri for favour of information and necessary action. He is requested to publish the same in District website i.e., malkangiri.odisha.gov.in.

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Memo No. 1149 /IF-(Acct) Dt: 27/02/2025

Copy forwarded to all Range Officers, Malkangiri Forest Division for information and necessary action. They are instructed to display the above Tender Notice in their Office Notice Board.

 27.2.25
Divisional Forest Officer,
Malkangiri Forest Division.

Copy to the Notice Board.