

MINUTES OF PRE-BID MEETING
BIHAR HORTICULTURE DEVELOPMENT SOCIETY
2nd Floor, Krishi Bhawan, Mithapur, Patna - 800001

Tender Title:	SHORT e-TENDER for Empanelment of OEMs / Authorized Agencies for Supply, Installation, Commissioning, Training, Warranty Support and Maintenance of Solar Crop Dryers of Multiple Capacities across Bihar
Date & Time of Pre-bid Meeting	24.07.2026, 01:15 PM
Mode	Virtual /Offline
Venue:	Directorate of Horticulture, Department of Agriculture, 2nd Floor, Krishi Bhawan, Mithapur, Patna - 800001
System Tender No.	136479

A pre-bid meeting for **Empanelment of OEMs / Authorized Agencies for Supply, Installation, Commissioning, Training, Warranty Support and Maintenance of Solar Crop Dryers of Multiple Capacities across Bihar** was held on 24th July, 2026 at 01:15 PM, under the chairmanship of Mission Director, Bihar Horticulture Development Society, Patna. The details of the participating agencies are annexed below: -

1	Titan Genetics & Crop Science
2	Sheel Biotech Limited
3	Covestro (India) Pvt. Ltd.

The Prebid queries submitted and responses are as listed below:

Query/Request for clarification	Section/Part of RFP and page No. clause	Response/Modification
Please clarify whether Solar Dryers/Similar Solar Processing Systems installed in the private sector during the last five years will be considered for technical scoring under the criterion "Number of	Stage-II, Technical Scoring, Serial Number 2, Page No. 4	Yes. Installations of Solar Dryers/Similar Solar Processing Systems completed during the last five years in both the Government sector and the Private sector shall be considered for technical scoring under this criterion, subject to submission of satisfactory documentary evidence regarding successful installation and commissioning.



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Solar Dryers/Similar Solar Processing Systems Successfully Installed in Last 5 Years.																																												
The tender seeks rates for Solar Dryers of various capacities. However, the minimum technical specifications/common design parameters applicable across different capacities have not been clearly defined. In the absence of uniform technical specifications, bidders may quote systems based on varying technologies and configurations, making it difficult to determine a uniform rate.	Minimum technical specifications, page no. 4 and Page no. 5	<table><thead><tr><th>Parameter</th><th>Minimum Technical Specification</th></tr></thead><tbody><tr><td>Type of Dryer</td><td>Indirect Solar Crop Dryer with Forced Convection</td></tr><tr><td>Application</td><td>Drying of fruits, vegetables, spices, medicinal & aromatic plants, grains and other agricultural or horticulture produce</td></tr><tr><td>Capacity Category</td><td>20 kg, 25 kg, 50 kg, 100 kg, 250 kg, 500 kg and 1000 kg per batch (commodity dependent)</td></tr><tr><td>Structure Design</td><td>Tunnel/Polyhouse type design suitable for outdoor installation</td></tr><tr><td>Cover Material</td><td>UV Stabilized Polycarbonate Sheet of minimum 6 mm thickness</td></tr><tr><td>Structural Frame</td><td>Corrosion-resistant I. GI or II. Aluminium structure suitable for outdoor use</td></tr><tr><td>Food Contact Surface</td><td>SS 304 Food Grade</td></tr><tr><td>Drying Trays</td><td>SS 304 Food Grade trays</td></tr><tr><td>Minimum No. of Trays</td><td>20 kg: 2-4; 25 kg: 2-4; 50 kg: 4-8; 100 kg: 8-12; 250 kg: 15-20; 500 kg: 25-35; 1000 kg: 50-70</td></tr><tr><td>Absorber Surface</td><td>Black-coated I. GI or ii. SS absorber sheet</td></tr><tr><td>Air Circulation</td><td>Forced convection through solar-powered DC fans/blowers. Fans/blowers shall be protected by guards and be replaceable at site.</td></tr><tr><td>Power Source</td><td>Solar PV-based system for operation of fans and monitoring devices</td></tr><tr><td>Solar PV Module</td><td>MNRE-approved Solar PV Modules</td></tr><tr><td>Airflow Uniformity</td><td>Uniform airflow arrangement across all drying trays</td></tr><tr><td>Drying Temperature Range</td><td>Adjustable temperature range of 40°C-70°C</td></tr><tr><td>Product Protection</td><td>Complete protection against rain, dust, insects, birds and animal intrusion</td></tr><tr><td>Ventilation System</td><td>Adjustable inlet and outlet vents for moisture removal and humidity control</td></tr><tr><td>Installation Type</td><td>Ground-mounted installation including necessary foundation/support structure</td></tr><tr><td>Monitoring Instruments/Controller</td><td>Digital display for chamber temperature and relative humidity</td></tr><tr><td>Durability</td><td>Suitable for continuous outdoor operation under local climatic conditions</td></tr></tbody></table>	Parameter	Minimum Technical Specification	Type of Dryer	Indirect Solar Crop Dryer with Forced Convection	Application	Drying of fruits, vegetables, spices, medicinal & aromatic plants, grains and other agricultural or horticulture produce	Capacity Category	20 kg, 25 kg, 50 kg, 100 kg, 250 kg, 500 kg and 1000 kg per batch (commodity dependent)	Structure Design	Tunnel/Polyhouse type design suitable for outdoor installation	Cover Material	UV Stabilized Polycarbonate Sheet of minimum 6 mm thickness	Structural Frame	Corrosion-resistant I. GI or II. Aluminium structure suitable for outdoor use	Food Contact Surface	SS 304 Food Grade	Drying Trays	SS 304 Food Grade trays	Minimum No. of Trays	20 kg: 2-4; 25 kg: 2-4; 50 kg: 4-8; 100 kg: 8-12; 250 kg: 15-20; 500 kg: 25-35; 1000 kg: 50-70	Absorber Surface	Black-coated I. GI or ii. SS absorber sheet	Air Circulation	Forced convection through solar-powered DC fans/blowers. Fans/blowers shall be protected by guards and be replaceable at site.	Power Source	Solar PV-based system for operation of fans and monitoring devices	Solar PV Module	MNRE-approved Solar PV Modules	Airflow Uniformity	Uniform airflow arrangement across all drying trays	Drying Temperature Range	Adjustable temperature range of 40°C-70°C	Product Protection	Complete protection against rain, dust, insects, birds and animal intrusion	Ventilation System	Adjustable inlet and outlet vents for moisture removal and humidity control	Installation Type	Ground-mounted installation including necessary foundation/support structure	Monitoring Instruments/Controller	Digital display for chamber temperature and relative humidity	Durability	Suitable for continuous outdoor operation under local climatic conditions
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	Annexure X - Financial Proposal Format, Page no. 20	Annexure X - Financial Proposal Format (Do not enclose with technical proposal). Below is the revised format for obtaining unit rates of Solar Dryers of various capacities. <table border="1"> <thead> <tr> <th>Package</th> <th>Component</th> <th>Unit</th> <th>Unit price inclusive of GST, transport, installation, warranty and maintenance</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Solar Crop Dryer 20 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>B</td> <td>Solar Crop Dryer 25 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>C</td> <td>Solar Crop Dryer 50 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>D</td> <td>Solar Crop Dryer 100 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>E</td> <td>Solar Crop Dryer 250 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>F</td> <td>Solar Crop Dryer 500 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> <tr> <td>Special</td> <td>Solar Crop Dryer 1000 kg</td> <td>1 No.</td> <td>Rs. _____</td> </tr> </tbody> </table> Price Inclusions: The bidder shall quote package-wise all-inclusive unit rates covering supply, packing, loading, transportation, unloading, transit insurance, installation, commissioning, testing, training, documentation, warranty, preventive and corrective maintenance, spare parts, tools, safety equipment, QR labelling, all applicable taxes and duties, and all other incidental expenses required for successful execution of the work. No additional payment shall be admissible for any of these items unless specifically approved in writing by BHDS. While quoting the unit price of solar dryers, bidders shall ensure compliance with the minimum technical specifications prescribed in the Corrigendum. Signature of Authorized Signatory: _____ Name: _____	Package	Component	Unit	Unit price inclusive of GST, transport, installation, warranty and maintenance	A	Solar Crop Dryer 20 kg	1 No.	Rs. _____	B	Solar Crop Dryer 25 kg	1 No.	Rs. _____	C	Solar Crop Dryer 50 kg	1 No.	Rs. _____	D	Solar Crop Dryer 100 kg	1 No.	Rs. _____	E	Solar Crop Dryer 250 kg	1 No.	Rs. _____	F	Solar Crop Dryer 500 kg	1 No.	Rs. _____	Special	Solar Crop Dryer 1000 kg	1 No.	Rs. _____
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		Designation: _____ Name of Firm/OEM: _____ Seal of the Firm: _____ Date: _____

Note: The Pre-bid meeting document shall be an integral part of the tender document.


 (Abhishek Kumar I.F.S.)
 Mission Director,
 State Horticulture Mission
 Bihar Horticulture Development Society
 Government of Bihar

Memo No 2989

Dated 27.07.2026.