



H.P. Forest Department INTEGRATED DEVELOPMENT PROJECT (IDP)



For
Source Sustainability And Climate Resilient Rain-fed Agriculture
Tank Road, Solan-173212

Phone: 01792-225773, 01792-225773 (FAX), email- dpoidpsolan@gmail.com

REQUEST FOR QUOTATIONS
Procurement of Works under RFQ/Shopping Procedures
E-Procurement Notice
(Two-Envelope with e-Procurement Bidding Process)

Project: INTEGRATED DEVELOPMENT PROJECT (IDP) For Source Sustainability and Climate Resilient Rain-fed Agriculture

RFQ No: IN-DPO, SOLAN-498792-GO-RFQ Procurement of MODULAR ZA WATER STORAGE TANK.

1. Government of India has received/has applied for/intends to apply for financing from the World Bank towards the cost of the **INTEGRATED DEVELOPMENT PROJECT (IDP) For Source Sustainability and Climate Resilient Rain-fed Agriculture** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this request for quotations is issued. The District Project Officer (Integrated Dev. Project) Solan invites quotations electronically from eligible bidders through e-tendering system in two covers for the under mentioned goods / items from experienced contractor/suppliers/Firms.

Sr. No.	Job No.	Name of Material	Qty	Specifications	FOR at	Earnest money	Technical Specification & Description
1	<u>DPO/IDP</u> <u>KGT/</u> <u>01/2025-26</u>	MODULAR ZA WATER STORAGE TANK IS: 15961 and IS: 800 As per Indian Standard Specification and other specification as below (Annexure I)	4	Capacity in Liters : 30000 Dia meter : 3.6 Mtrs. Height : 3.03 Mtrs. Wall Ring : 3 Nos. Foundation Length and width as per tank Dia size and foundation size + 0.30 Mtrs extra from size.	Under the jurisdiction APO IDP Kandaghat	60000	Attached

2	<u>DPO/IDP</u> <u>DMP/</u> <u>02/2025-26</u>	MODULAR ZA WATER STORAGE TANK IS: 15961 and IS: 800 As per Indian Standard Specification and other specification as below (Annexure I)	4	Capacity in Liters : 30000 Dia meter : 3.6 Mtrs. Height : 3.03 Mtrs. Wall Ring : 3 Nos. Foundation Length and width as per tank Dia size and foundation size + 0.30 Mtrs extra from size.	Under the jurisdiction APO IDP Dharampur	60000	Attached
3	<u>DPO/IDP</u> <u>RMS/</u> <u>03/2025-26</u>	MODULAR ZA WATER STORAGE TANK IS: 15961 and IS: 800 As per Indian Standard Specification and other specification as below (Annexure I)	4	Capacity in Liters : 30000 Dia meter : 3.6 Mtrs. Height : 3.03 Mtrs. Wall Ring : 3 Nos. Foundation Length and width as per tank Dia size and foundation size + 0.30 Mtrs extra from size.	Under the jurisdiction APO IDP Ramshehar	60000	Attached

2. The Bidders may submit Quotations for all items.
3. This e-Procurement notice includes the following documents to facilitate preparation and submission of quotations, criteria for qualification, evaluation, and for award of contract; and relevant forms to be filled by the bidders. Implementing Agency has not issued a separate RFQ document for this purchase/ work. The e-Procurement notice including the various documents and forms to be filled etc. can be downloaded free of cost by logging on to the website www.hptenders.gov.in . The bidders would be required to register in the website which is free of cost.
4. For submission of Quotation, the Bidder is required to have Digital Signature Certificate (DSC) from one of the Certifying Authorities authorized by Government of India for issuing DSC. Bidders can see the list of licensed CA's from the link (www.cca.gov.in). Bidders who have not obtained the user ID and password for participating in e-procurement in this Project, may obtain the same from the website: www.hptenders.gov.in.
5. Quotations, both Technical Part and Financial Part shall be submitted on www.hptenders.gov.in on or before *(date as mentioned in the table below)*. Any quotation or modifications to quotation received outside e-procurement system will not be considered. The electronic bidding system would not allow late submission of quotations. The 'Technical Part' of the Quotations will be opened online on *(date as mentioned in the table below)*, this can also be viewed by the bidders online. The electronic summary of quotation opening of technical part will be generated and uploaded online.

Description	Date
Date of online publication	6 st August 2025, 16.00 hours
Cost of tender form	Pay the Non-refundable tender form fee Rs.500 (five hundred) only through E-Challan GoHP payable under Head 0070-60-800-17 Other Receipts E-Procurement of tender fee (non-refundable) in DDO SOL00-978 District Project Officer Solan
Earnest Money Deposit (EMD) (Bid security)	Rs.60000/- FD/ Demand draft from a Nationalized Bank, drawn in favour of DPO (IDP) Solan, payable at Solan
Bid Submission Start Date	6 st August 2025, 17.00 hours
Last Date for Submission of Bid	18 th August 2025, 17.00 hours
Last Date of Physical submission of EMD/ E-Challan	19 th August, 2025, 11.00 hours
Date of opening of the Technical Bids	19 th August, 2025, 14 hours
Date of opening of Financial Bids	Will be notified after finalization of technical scrutiny and intimated in due course of time.

6. If the implementing agency's office happens to be closed on the date of opening of the Quotations as specified, the 'Technical Part' of the Quotations will be opened on the next working day at the same time. The Financial Parts of the Quotations shall remain unopened in the e-procurement system, until the subsequent online opening, following the evaluation of the Technical Parts of the Quotations.
7. Other details can be seen in the RFQ document. The implementing agency shall not be held liable for any delays due to system failure beyond its control. A Bidder requiring any clarification of the RFQ document may notify the Implementing agency online or may visit the office of the implementing agency at the address given below.

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Integrated Development Project,
Solan, Distt. Solan (H.P.) 173212
Phone : 01792-225773
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Specification of Modular ZA WATER STORAGE TANK**Water Tank Description**

• Seismic Zone	:	Zone IV (INDIA)
• Wind Speed	:	180 Km / Hr
• Wind Load Bearing (Empty)	:	150 Km/Hr
• Design Life	:	40-50 Years
• Temperature Range	:	-10 to 70 degree C
• Colour	:	Bare Natural Zinc Colour
• Construction Type	:	Overlapped Bolted Panel
• Steel Type	:	Ultra-Tensile Low Alloy, BSEN 10346
• Composition of Coating	:	Al-55%, Zn-45.5%, Si-1.5%
• Material of construction (MoC)	:	Zincalume – Tata/J.S.W /Appolo
• Roof Type	:	Self Supported Heavy Duty Dome/ Flat Type
• Roof Angle	:	8 degree
• Roof Structure	:	Hot Deep Galvanized / Epoxy Painted

Water Tank Wall Description

• Type	:	Bolted / Modular Panelled Tank
• Wall Sheet corrugation Space	:	75mm
• Wall Sheet corrugation Depth	:	18 mm
• Shape	:	Circular
• Moc of Tank Sheet	:	ZincAlume (AZ150)
• Sheet Galvanize Grade	:	G-300
• Make of sheet	:	Tata/ JSW/ Apollo
• Moc of sheet	:	ZincAlume
○ Composing of Coating	:	Alloy coating of Al-55%, Zn-43.5%, Si-1.5% with separate layer of passivation solution & Resin

Tank Nozzles

1. Moc	:	Hot Deep Galvanised
2. Nozzle Schedule	:	BIS TABLE 10 D
3. Nozzle Type	:	Nozzle with Flange & Back_Plate Support

Nozzles Accessories**MS Hot deep Galvanised Nozzles with rubber Lining Flanges (BS -10, Table D) sizes**

- Inlet – 40 mm
- Output- 50 mm and 32 mm
- OUTLET NOZZEL – 1 SET
- INLET NOZZEL – 1 SET
- OVERFLOW NOZZEL – 1 SET

- WALL MOUNTED DRAIN NOZZEL – 1 SET and close with stopper
- All Nozzles will be completed with flanges and with double back plate support to avoid load transfer on wall.

Inside Liner/Membrane

- Weight: 760-800 GSM, Thickness 0.47mm, Strength 2500 N/5cm, Anti-Cracking technology tested up to 600,000 folds before cracking. Liners are made of PVC, compressed with multi-layer nylon mesh with the options EPDM or Butyl Rubber, Non-Sticky, Chemically Stabilized, Reinforced PVC, UV-Stabilized, Anti-Algae.
- Temperature resistance:- - 20 C to + 60 C (DIN EN 1876/2 1998)
- Sunlight, Ultra Violet radiation
- Tear strength wrap: - 270 N (DIN 53363 2003)
- Fire Behavior: <100 mm/min (ISO 3579 1989)
- pH Level Range: 2 to 12 Ph
- Standard Colour : Grey, Blue, Black
- Food Grade : Yes
- Base Fabric : High Tenacity Polyester Filament Yarn
- Water – Proofness / No Leak AT : 220 PSI
- Tested : 2 kg /cm² for any leaks

Fastening Materials

- | | | |
|---|---|-------------------------|
| • Nut Set | : | Steel or Powder Coating |
| • Standard Applied | : | EN ISO 10684: 2004 |
| • Washer and Seals Material | : | Neoprene backed |
| • Bolts Set | : | Steel |
| • Standard Applied | : | EN ISO 10684: 2004 |
| • Resistance Class | : | 8.8 |
| • Min. Yield Strength N/mm ² | : | 640 |
| • Min. Tensile Strength N/mm ² | : | 800 |

Nozzle Flexing Sealant

- | | | |
|-----------------------------|---|----------------------|
| • Sealing tape | : | Strip Seal |
| • Adhesion tensile | : | 400 N |
| • Adhesion shear | : | 12 N/mm ² |
| • Water absorption | : | Insoluble in water |
| • Resistance to Temperature | : | -40deg / + 90 deg C |

Fitting & Tank Accessories

- | | | |
|---|---|--|
| • External Ladder | : | MS HDG/ EPOXY PAINT Heavy Duty Industrial Ladder |
| • Internal Ladder | : | (Nylon Rope Ladder with Aluminum steps (inside ladder) |
| • Manual Water Level Indicator | : | (Floating ball mechanical type with level points outside the tank to measure water level.) |
| • Nut and bolts | : | (HDG galvanized 8.8 mm grade with conceal panel) |
| • Intermediate Tank Bracing/Reinforcement | : | 3mm Thickness channel at every circumferential |

Joint from Top to Bottom.

- SS Air Vent (Dia .300mm)
- Liner : Reinforced High Tensile PVC Liner , UV Stabilized , Anti – Algae Food Grade Properties
- Mainhole : Top Heavy Duty Hinged Access Hatch (600mm*600mm)
- Hold Down Brackets : Tank Hold Down Brackets – MSHDG
- Indicator Panel : Level Indicator Cover G.I. with Board and float type Indicator

Excavation of Foundation

1. Providing and laying cement concrete 1:3:6 and curing complete including cost of from working only foundation and plinth as per site to install the tanks. Contractor/Firm provide the Clear and smooth, plain surface of Land to installation of tanks as per three requirements of tank Foundation length and width as per tank size and foundation size + 0.30 mtrs extra from tank size.

Supplier Scope

- 1) Design, Fabrication, Supply, Installation, Testing (Leak Proof Test) and Site Supervision. Designing foundation and installation: Unit based (as per capacity)
- 2) Civil foundation (only foundation part of tank only) as per Tank Drawing Design and sizes. Foundation length and width as per tank size and foundation size + 0.30 mtrs extras from tank size
- 3) Material test certificate are mandatory required for tank from NABL approved lab

User Scope

1. Water for Testing of Tanks (Leak Proof Test) and construction of foundation.

