NATIONAL FEDERATION OF FARMER'S PROCUREMENT PROCESSING & RETAILING COOPERATIVES OF INDIA LTD. (NACOF)

A Multi-State Co-operative Federation Registered under the Ministry of Cooperation, Government of India

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Registered Office: Flat 101-116, 1st Floor, 6, Devika Towers, Nehru Place, New Delhi – 110019
Odisha Branch: Plot No. 60, 2nd Floor, Prachi Enclave, Chandrasekharpur, Bhubaneswar – 751016

COMPLETE BRIEF TENDER DOCUMENT

Selection & Engagement of Contractor / Vendor on Rate Contract Basis

INTEGRATED SAFE DRINKING WATER SUPPLY THROUGH IoT-BASED WATER TREATMENT PLANTS IN SUNDARGARH DISTRICT, ODISHA

Tender Particular	Details
Tender Reference	NACOF/OD/2026-27/BID 656
Date of Tender Notice	12.10.2026
Tender Inviting Authority	Dy. General Manager (Technical), NACOF, Bhubaneswar
Project / Funding Agency	District Mineral Foundation (DMF), Sundargarh
Project Area	Identified Gram Panchayats in 9 Blocks of Sundargarh District, Odisha
Contract Basis	Rate Contract; Double Cover Two-Bid System
Tender Document Fee	₹10,000/- plus applicable GST; non-refundable
Document Availability in source	12.10.2026, 10:00 AM to 09.11.2026, 12:30 PM
Overall completion period in source	120 days from date of commencement
O&M Period	5 years from commissioning, as specified for components

This brief document consolidates the tender notice, scope, technical requirements, qualification conditions, bid procedure, evaluation criteria and Annexures I–VI from the supplied tender. The complete source tender and any formal corrigendum shall prevail in case of inconsistency.

| Tender Reference | NACOF/OD/2026-27/BID 656 |

Tender Call Notice

Tender Reference	NACOF/OD/2026-27/BID 656

Selection & Engagement of Contractor/ Vendor for the Work “Integrated Safe Drinking Water Supply through IoT based Water Treatment Plants in Sundargarh District, Odisha” on Rate Contract basis

NACOF India Limited invites sealed Tenders under Double Cover Two Bid System (Technical & Financial) from eligible and experienced/ Registered Contractors/ Vendors for or the work “Integrated Safe Drinking Water Supply through IoT based Water Treatment Plants in Sundargarh District, Odisha” on Rate Contract basis. The Tender documents consisting of specification, scope of work, and the set of terms and conditions of contracts and other necessary documents can be available in the office of the undersigned and can be purchased against a nonrefundable fee of Rs. 10,000 (Rupees Ten Thousand only) plus applicable GST (11800) in shape of Demand Draft issued from any Nationalized / scheduled Bank payable at Bhubaneswar in favor of the Dy. General Manager (Technical) NACOF/ or by cash against cash receipt during office hours on all working days from 10.00 AM of Dt. 12.10.2026 to 12.30.00 PM of Dt. 09.11.2026.

The Bid Document must accompany attested copies of valid PAN, GST registration certificate, Experience Certificate, Registration Certificate of the bidders from competent authority and other documents as per the notice inviting this Tender, failing which the bids will be out rightly rejected. The National Federation of Farmers Procurement, Processing and Retailing Cooperatives of India Ltd., i.e. (NACOF) reserves the right to reject any or all of the tender/ bid, without assigning any reason thereof.

Pradeep Kumar Ray
Sr. State Manager
National Federation of Farmers
Procurement Processing & Retailing
Co-operatives of India Ltd. (NACOF)

Sr. State Manager
NACOF Bhubaneswar

Memo Num. Date:

Copy Submitted To:

1. The PA to the Chairman-cum-Managing Director, NACOF Limited, Head Office, New Delhi, for kind information.

2. The Deputy General Manager (Technical), NACOF Limited, Bhubaneswar Branch, for information and necessary action,

Pradeep Kumar Ray
Sr. State Manager
National Federation of Farmers
Procurement Processing & Retailing
Co-operatives of India Ltd. (NACOF)

Sr. State Manager
NACOF Bhubaneswar

Tender Reference	NACOF/OD/2026-27/BID 656

1. INTRODUCTION

NACOF — National Federation of Farmers' Procurement, Processing and Retailing Cooperatives of India Ltd. — is a Multi-State Co-operative Federation registered under the Ministry of Cooperation, Government of India, under the Multi-State Cooperative Societies Act, 2002 (Regn. No. MSCS/CR/320/2009).

NACOF invites tenders on a Rate Contract basis for an integrated safe drinking water programme across identified Gram Panchayats in 9 Blocks of Sundargarh District under DMF, Sundargarh. The source tender identifies groundwater contamination by Iron, Chromium, Manganese and Lead as the programme concern, with the stated values exceeding BIS 10500:2012 permissible limits.

2. SCOPE OF WORK – SUMMARY

The work covers supply, installation, testing, commissioning and 5-year Operation & Maintenance of the integrated safe drinking water programme. Detailed component requirements are summarised below; bidders must comply with the technical particulars set out in this document and the source tender.

Component	Scope summary
A – IoT Mini WTP	3,000 LPH rated capacity; stated output 30,000 LPD; treatment train including chemical dosing, MMF, ACF, micron filters, antiscalant, RO, ion exchange and UV; 5,000-litre SS 304 product tank; RFID/IoT dispensing, MIS and CCTV; 15 KW off-grid solar; borewell, pump, PEB housing, site works and 5-year O&M.
B – Diesel Tanker Distribution	Diesel LCV (Tata Ace Gold or equivalent) with food-grade SS 304 tanker of minimum 2,000-litre capacity; GPS tracking; 5-year AMC / insurance; driver/operator; distribution, trip records and monthly reports.
C – Solar Water ATM	Solar-powered kiosk with 2,000-litre SS 304 tank; RFID/prepaid card/coin dispensing; flow meter, digital display and transaction logs; solar PV with battery backup; IoT/GSM-4G cloud monitoring; 5-year O&M.
D – Enabling Infrastructure	WTP 3-phase and kiosk single-phase grid connections; 25 KVA standby DG sets at WTP sites; 20-litre food-grade household jars; five-year IEC / community awareness programme, school and Anganwadi activities, Jal Sahayak training and reporting.

3. TECHNICAL SPECIFICATIONS – COMPONENT A: IoT MINI WATER TREATMENT PLANT

Item	Technical requirement stated in source

Tender Reference	NACOF/OD/2026-27/BID 656

Plant capacity	3,000 Litres per Hour (LPH); stated daily output 30,000 Litres per Day (LPD).
Treatment – pre-treatment	Chemical dosing and flash mixing / coagulation for destabilisation and precipitation of dissolved heavy metals.
Multi-Media Filter	2 Nos.; FRP/PE pressure vessel 24” × 72”; graded pebbles, filter sand and MnO_2; automatic multiport valve.
Activated Carbon Filter	2 Nos.; FRP/PE vessel; crushed activated carbon with iodine value 1000.
Micron filtration	Primary 10µ and secondary 5µ filters; 2 Nos. each; Big Blue 20”; spun-bonded PP.
Antiscalant	Dosing system to inhibit scale formation on RO membranes.
RO system	2 sets; 8” pressure vessels; CPA2-8040 Hydranautics membranes; high-pressure pump 3.0 m³/hr @ 100 MWC; stated rejection >95%.
Ion exchange polishing	2 Nos.; FRP/PE vessel 14” × 65”; post-RO polishing for trace residual toxic ions.
UV sterilisation	32W UV lamp; SS 304 quartz jacket; 3,000 LPH.
Product water storage	5,000-litre SS 304 storage tank with RFID/IoT automatic dispensing unit.
Solar power	15 KW MPPT off-grid, 3-phase system; 27 × 590W TOPCon bifacial PV panels; 3-phase 15 KVA 180V hybrid PCU; 2 × 100 Ah LiFePO4 battery bank; GI structure, ACDB, DCDB, lightning arrester and earthing.
IoT / MIS / CCTV	RFID dispensing, real-time dispensing volumes, usage logs, system-health monitoring, central DMF dashboard and CCTV surveillance.
Civil / site works	Borewell up to 300 feet with 6.5-inch PVC casing; 6 m³/hr SS 304 submersible pump; PEB structure 50 ft × 20 ft × 17 ft with brick foundation, PUF panel walls, ACP sheet and roof; levelling, fencing, platform and drainage.
O&M	Five years from commissioning; trained operator at each GP; preventive maintenance; chemicals, spares and consumables; BIS 10500:2012 water testing; monthly reports.

4. TECHNICAL SPECIFICATIONS – COMPONENT B: DIESEL TANKER

- Vehicle: Tata Ace Gold Diesel or equivalent, BS VI compliant; source technical section specifies minimum 1,750 kg payload, RTO registration, road-worthiness certificate and third-party insurance.
- Tanker: Food-grade SS 304 elliptical tanker, minimum 2,000-litre capacity; 5 m delivery hose, coupling fittings, graduated dipstick, tamper-evident seal and internal drainage port.
- GPS tracking with route-management software and IoT integration; 5-year vehicle insurance and 5-year AMC including OEM servicing, tyre replacement, annual tanker re-certification and 24-hour breakdown support.
- Operational parameters in source: 100 km/day per vehicle; mileage basis 6.5 km/litre; minimum 3 trips/day; minimum 6,000 litres per GP per day across programme GPs.

- EPF/ESI-compliant driver/operator deployment for five years, including salary, allowances, training and substitute arrangement; monthly trip logs, delivery records and performance reports.
- Commissioning within 8 weeks of Work Order.

5. TECHNICAL SPECIFICATIONS – COMPONENT C: SOLAR WATER ATM

- Weatherproof, vandal-resistant, tamper-proof SS 304 / GI powder-coated kiosk enclosure with branding panel, transparency board, RCC plinth, compound and drainage.
- Food-grade SS 304 water storage tank of 2,000 litres, with inlet, outlet, overflow valves and cleaning port.
- RFID / prepaid card / coin multi-mode dispensing; motorised valve, flow meter, digital display, daily limit programming and automated transaction logging.
- Solar PV panel 300–500 Wp, MPPT charge controller, battery bank for 24-hour backup, inverter/converter, SPD, lightning arrester, earthing and GI mounting structure.
- IP54 control panel with MCB protection, SPD, status indicators and automation controls; GSM/4G cloud platform, real-time monitoring, alerts, reports, RFID management and central MIS integration.
- Five-year O&M including panel maintenance, tank cleaning, valve servicing, IoT platform, SIM data plans and RFID management; breakdown attendance within 48 hours.

6. TECHNICAL SPECIFICATIONS – COMPONENT D: ENABLING INFRASTRUCTURE

- 3-phase grid connection at WTP sites: coordination with WESCO / CESU / NESCO for 11 KV line extension and 25 KVA Distribution Point (DP) Substation at each site; 25 mm² XLPE armoured cable, meter, MCCB, earthing and civil works.
- Single-phase grid connection at Water ATM sites: service cable, energy meter, MCB, earthing and civil works, coordinated with Mo Bidyut scheme.
- 25 KVA standby DG set per WTP site: CPCB IV+ compliant silent DG set, acoustic enclosure, AMF panel, battery, first-fill lubricant and coolant; RCC foundation 1.5 m × 2 m × 0.3 m; anti-vibration mounts, drainage, 415V 3-phase, 50Hz; 10 mm² armoured XLPE cable (50 m), two earth pits, AMF changeover, testing and commissioning.
- 20-litre food-grade household jars: virgin PET/HDPE, stated IS 12252 / IS 14625 conformity, moulded handle, food-grade cap with liner and tamper-evident break-ring; branding with DMF Sundargarh, NACOF, GP, serial and batch details.
- IEC campaign for five years: posters, leaflets, flex boards; minimum two community awareness meetings per GP per year; school and Anganwadi programmes; Jal Sahayak training, monitoring and reporting.

7. ELIGIBILITY & QUALIFICATION CRITERIA

- Registered NACOF vendors and other firms / legal entities with similar experience and valid GST Certificate in Odisha.

Tender Reference	NACOF/OD/2026-27/BID 656

- Average Annual Turnover of not less than ₹10.00 Crore during the last three financial years, with positive net worth.
- At least one executed project of not less than ₹5.00 Crore related to Public Drinking Water Supply under any Government Department in India.
- Valid EPF, ESI and Labour Licence.
- Valid PAN and GST Certificates.
- Registered / Branch Office in Odisha.
- Adequate technical manpower, machinery and equipment.
- Not blacklisted / debarred by any Government Department, PSU, PSE or Multi-State Cooperative in India.

8. BID SUBMISSION PROCESS

Envelope	Documents / contents
Cover I – Technical Proposal	Technical proposal; eligibility and registration documents; PAN/GST; EPF/ESI/Labour Licence; turnover and net-worth proof; similar-work details and completion certificates; manpower/equipment details; declarations and supporting documents.
Cover II – Financial Proposal	Financial Bid / Rate Schedule strictly in Annexure VI, quoting per-unit rates for all listed components.
Outer Envelope	Both sealed covers enclosed in one outer envelope, superscribed with the project title: Integrated Safe Drinking Water Supply through IoT Based Water Treatment Plants in Sundargarh District, Odisha.

The Financial Proposal shall not contain conditions, assumptions or deviations. Amounts shall be stated in figures and words. The source states that where figures and words differ, the higher amount shall be treated as correct. Rates shall follow the per-unit Rate Contract basis and prescribed schedule.

9. TENDER FEE AND BID SECURITY

Particular	Requirement
Tender paper fee	₹10,000/- plus applicable GST; non-refundable.
Mode of payment	Demand Draft of Nationalised / Scheduled Bank payable at Bhubaneswar in favour of Dy. General Manager (Technical), NACOF; or cash against receipt, as stated in notice.
Bid Security	₹25,00,000/- by DD from Nationalised / Scheduled Bank, In Favour Of National Federation of Farmers procurement processing & R C of India Ltd. Account No-139594600000028, IFSC-YESB0001395,
Bid Security Declaration	Annexure II to accompany the proposal; source states proposals without this declaration shall be rejected.
Refund / release	Unsuccessful bidders: after completion of selection and award; successful bidder: after completion of work, as stated in source.

10. EVALUATION & AWARD

Bids shall be evaluated using the Quality-cum-Cost-Based Criteria (QCBC) method based on technical qualification, work experience, financial capability and compliance with RFP conditions.

SL	Particulars	Minimum Requirement	Maximum Marks
1	Registered Vendor of NACOF	Valid Registration Certificate/ Letter from NACOF	5
2	Average Annual Turn Over of last three Financial Years	INR 10cr INR 10cr+ to INR 20cr INR 20cr+	10 15 20
3	Net worth	Up to INR 5cr INR 5cr+	5 10
4	Similar Work Experience: The Bidder must have executed at least one Project amounting not less than INR 5.00cr related to Public Drinking Water Supply under any Govt. Department in India	INR 5cr INR 5cr+ to INR 10cr INR 10cr+	10 15 20
5	Similar Works executed in the State of Odisha	INR 5cr	5
6	Experience in Solar based Drinking Water Supply/ Solar Water ATM	INR 1cr	5
7	Having Technical Manpower and Plants/ Machineries		5
8	Technical Presentation		30

The source provides the following scoring bands: turnover ₹10 Cr – 10 marks; above ₹10 Cr to ₹20 Cr – 15 marks; above ₹20 Cr – 20 marks. Net worth up to ₹5 Cr – 5 marks; above ₹5 Cr – 10 marks. Similar work value ₹5 Cr – 10 marks; above ₹5 Cr to ₹10 Cr – 15 marks; above ₹10 Cr – 20 marks.

After evaluation, the Dy. General Manager (Technical), NACOF, Bhubaneswar will notify the successful bidder through Work Order. The source states that results will be published on the NACOF Notice Board within seven days of finalisation and LOA issued thereafter.

11. GENERAL TERMS & CONDITIONS

- Submission of the RFP does not guarantee award of work.
- Incomplete or non-responsive bids shall be liable for rejection.
- NACOF reserves the right to modify, cancel or withdraw the RFP, or reject any or all bids, without assigning any reason.
- The source tender's tax and duty clause states that the contract price is inclusive of taxes, duties, cess, royalty and statutory levies and that no additional compensation is payable for an increase in tax burden.
- The Financial Bid schedule separately states that rates are exclusive of GST and GST shall be quoted separately and paid as applicable. This discrepancy is flagged for confirmation and is not reconciled in this brief.
- The successful bidder shall perform the work in accordance with the final agreement / Work Order, technical specifications, statutory obligations and O&M/reporting requirements.

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ANNEXURES

The following prescribed formats form part of the tender and shall be completed, signed and stamped by the bidder.

Annexure	Particulars
I	Self Declaration for Non-Blacklisting
II	Bid Security Declaration
III	MSME Declaration
IV	Quality & Statutory Certification Declaration
V	Details of Similar Works Completed
VI	Financial Bid – Rate Schedule

ANNEXURE I – SELF DECLARATION FOR NON-BLACKLISTING

To,
The Dy. General Manager (Technical),
NACOF, Bhubaneswar, Odisha.

Subject: Self Declaration for Non-Blacklisting

I / We hereby declare that our firm / company has not been blacklisted or debarred by any Central / State Government, PSU, Autonomous Body, Municipality / NAC or any statutory authority as on the date of submission of this RFP. I / We further declare that all documents and statements submitted as part of this RFP are true, correct and authentic.

Signature: _____ Name: _____

Designation: _____ Company Seal: _____

Date: _____

ANNEXURE II – BID SECURITY DECLARATION

To,
The Dy. General Manager (Technical),
NACOF, Bhubaneswar, Odisha.

Subject: Bid Security Declaration

I / We hereby declare that we agree to submit the Bid Security / EMD as prescribed in the RFP and shall abide by all terms and conditions relating to Bid Security. I / We understand that failure to submit the Bid Security within the stipulated period may result in rejection of our bid.

Signature: _____ Name: _____

Designation: _____ Company Seal: _____

Date: _____

ANNEXURE III – MSME DECLARATION

To,
The Dy. General Manager (Technical),
NACOF, Bhubaneswar, Odisha.

Subject: MSME Declaration

I / We hereby declare that our firm / company is registered / not registered (strike whichever is not applicable) under the MSME Act, 2006 (Micro, Small and Medium Enterprises Development Act). Relevant MSME Registration Certificate, if applicable, is enclosed herewith.

Signature: _____ Name: _____

Designation: _____ Company Seal: _____

Date: _____

ANNEXURE IV – QUALITY & STATUTORY CERTIFICATION DECLARATION

To,
The Dy. General Manager (Technical),
NACOF, Bhubaneswar, Odisha.

Subject: Quality & Statutory Certification Declaration

I / We hereby declare that our firm / company possesses the following certifications issued by competent authorities, copies of which are enclosed:

- ISO / QMS Certification (if any)
- CMMi Certification (if any)
- Any other relevant quality / statutory certification

Signature: _____ Name: _____

Designation: _____ Company Seal: _____

Date: _____

ANNEXURE V – DETAILS OF SIMILAR WORKS COMPLETED

The bidder shall provide details of similar works completed and attach attested copies of Completion Certificates from the Client / Principal Employer. The value of work executed should be inclusive of the value of re-supply items.

Sl.	Description of Work with Contract No.	Employer name, address & contact no.	Date of Award	Stipulated Completion Date	Actual Completion Date	Value (₹ Lakh)	Reasons for Delay	Other Relevant Information
1								
2								
3								

Signature: _____ Name: _____

Designation: _____ Company Seal: _____

Date: _____

ANNEXURE VI – FINANCIAL BID / RATE SCHEDULE

(To be submitted on the Letter Head of the Applicant / Bidder)

To,
The Dy. General Manager (Technical),
NACOF, Bhubaneswar,
Plot No. 60, 2nd Floor, Prachi Enclave,
Chandrasekharpur, Bhubaneswar – 751016, Odisha.

Subject: Integrated Safe Drinking Water Supply through IoT Based Water Treatment Plants in Sundargarh District, Odisha – Submission of Financial Bid / Price Bid.

Reference: RFP No. NACOF/OD/2026-27/TCN, dated 12.10.2026.

Dear Sir,

I / We, the undersigned, am / are pleased to submit our Financial Proposal / Price Bid for the above-referenced work. Having examined the RFP and understood the Scope of Work, specifications, terms and conditions, I / We quote the following per-unit rates:

Sl.	Description of Work / Component	Unit	Qty	Rate in Figures (₹)	Rate in Words (₹)
1	IoT-Based Mini Water Treatment Plant (3,000 LPH): supply, installation, testing, commissioning and 5-year O&M including borewell, civil works, pre-treatment, RO, UV, 15 KW off-grid solar, RFID dispensing, IoT/MIS, CCTV, operator, consumables and water quality testing at designated GP location.	Per WTP (1 Unit)	1		
2	Diesel Tanker Vehicle with 2,000-litre SS 304 food-grade tanker: diesel LCV (Tata Ace Gold or equivalent), GPS tracking, 5-year AMC, EPF/ESI-compliant driver deployment, distribution and fuel / maintenance cost as described in tender.	Per Set (1 Unit)	1		
3	Solar-Powered Water ATM Kiosk with RFID smart-card dispensing: 2,000-litre SS 304 tank, RFID/coin/smart-card dispensing, IoT cloud dashboard, 300–500 Wp solar panel with battery backup, control panel, transaction logging and 5-year O&M.	Per Kiosk (1 Unit)	1		
4	Enabling Infrastructure Package: (a) 3-phase grid connection for WTP; (b) single-phase grid connection for Water ATM; (c) 25 KVA DG Set with accessories, cable, earthing and civil	Lump Sum per GP	1		

	foundation; (d) 20-litre food-grade household jars with DMF/NACOF branding; (e) 5-year IEC campaign, community meetings, school/Anganwadi programme, Jal Sahayak training and reporting.				
	GST – applicable rate to be quoted by bidder				

All rates are quoted on a per-unit Rate Contract basis. The source Annexure VI states that rates shall be exclusive of GST, with GST quoted separately in the GST row above and payable as applicable. This shall be read subject to clarification of the tax-clause inconsistency noted in this brief.

Our Financial Proposal shall remain binding upon us, subject to any modifications resulting from contract negotiations, up to the expiration of the validity period of the proposal.

Thanking you,

Authorised Signatory

Name: _____

Designation: _____

Date: _____

Company Seal

IMPORTANT PRE-ISSUE CLARIFICATIONS

The following points are reproduced as verification flags because the source tender contains differing particulars. They should be confirmed by NACOF before issue / re-issue; this brief does not amend the source conditions.

- Schedule: the source tender document availability ends on 09.11.2026 at 12:30 PM. If this document is being issued or re-issued after that date, the dates for document sale, pre-bid meeting (if any), submission, opening and validity should be formally updated.
- Project coverage: the source introduction and scope refer to identified GPs in 9 Blocks; the outer-envelope instruction on page 9 refers to GPs. Confirm final GP count and use it consistently.
- Tanker payload: the Component B technical specification states minimum 1,750 kg payload, while the Annexure VI financial description says minimum 1-tonne payload. Confirm the governing specification.
- Tax treatment: General Terms & Conditions state contract price inclusive of taxes and duties, whereas Annexure VI states rates exclusive of GST and GST to be quoted separately. Confirm and harmonise.
- Bid Security sequence: the source states ₹20 lakh FD/TDR is to be furnished by technically qualified bidders within three working days of intimation, while Bid Security Declaration is also required with the proposal. Confirm exact procedure.
- Completion timelines: the source states 90 days from commencement overall and tanker commissioning within 8 weeks of Work Order. Confirm milestone relationship.
- Technical / commercial validation: verify the specified capacities, equipment makes/models, statutory standards, power connection scope and component quantities against the approved DPR / administrative approval before final publication.

END OF BRIEF TENDER DOCUMENT

Issued by: NACOF, Odisha Branch, Bhubaneswar