

**E-TENDER DOCUMENT  
FOR  
SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRIAL RUN  
OF  
PULSE JET BAG FILTER 3000 CMH 01TPH BOILER  
AT OMFED BALASORE DAIRY**



**THE ODISHASTATE CO-OPERATIVE MILK PRODUCERS' FEDERATION LTD.  
D-2, SAHID NAGAR.BHUBANESWAR**

**August - 2024**

**Cost Rs. 1000+18% GST**

**e-Procurement Notice for PULSE JET BAG FILTER 3000 CMH 01TPH**  
**BOILER**

**Bid Identification No. 131/DO/Bag filter/Boiler/24-25**

1. OMFED invites sealed tender in separate envelope for technical bid and commercial bid from original equipment manufacturer or their authorized distributor for supply of installation, Commissioning ,testing & running of Offer for Pulse Jet Bag Filter 3000 CMH 1 TPH Boiler of reputed brand for supply, installation, testing, commissioning and trial run for indicative requirement of 01no, at OMFED Balasore.

2. The bidders are required to submit bids for the following items.

Name of work	Availability of Tender for online bidding only at <a href="http://www.tenderodisha.gov.in">www.tenderodisha.gov.in</a>		Date of opening (Techno-Commercial)	Period of Completion
	From	To		
Supply of installation , Commissioning ,testing & running of Offer for Pulse Jet Bag Filter 3000 CMH 1 TPH Boiler	<b>22.08.2024</b> on <b>10.00A.M</b>	<b>17.09.2024</b> on <b>02.00P.M</b>	<b>17.09.2024 on</b> <b>3.00 P.M</b>	60 days

3. Cost of Tender Paper Rs. 1180/- inclusive of GST 18% & EMD Rs. 20,000/- deposit through online only on Portal: <https://tendersodisha.gov.in>.

4. Bid documents consisting of specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents are available on Portal: (<https://tendersodisha.gov.in>). The corrigendum/amendment to this notice if required shall be published only in the OMFED web site and (<https://tendersodisha.gov.in>) and will not be published again in the newspaper.

5. The **Bid documents will be available** on the website: <https://tendersodisha.gov.in> from **10.00 AM of 22.08.2024 to 02.00 PM of 17.09.2024** for online bidding.

6. The tender paper cost, EMD & other documents as per DTCN shall have to be attached on Portal: (<https://tendersodisha.gov.in>) within **10.00 AM of 22.08.2024 to 02.00 PM of 17.09.2024**.

7. Non submission of tender cost of bid document and EMD within the period shall debar the party from participating in the online bidding system and his portal registration shall be cancelled.

8. Bids shall be received only “online” on or before **02.00 PM of 17.09.2024**.

9. **Bids received online shall be opened on 17.09.2024 at 3.00 P.M.** in OMFED Corporate office in the presence of the bidders. Bidders who participated in the bid can witness the opening of bids after logging on to the site through their DSC. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.

10. The bids of the technically qualified bidders will be opened for evaluation of the price bid.
11. Other details are available in the bidding documents.
12. Co-Operatives, Govt. bodies, NSIC and MSME registered firms are exempted from submitting required EMD.
13. OMFED in its own interest may opt for any other procurement mode/system simultaneously along with this e-Tender process if required without assigning any reason thereof.
14. The Managing Director, OMFED reserves the right to accept/reject any or all the bids without assigning any reason thereof.
15. OMFED reserves the right to increase or decrease the quantity of the tendered items or period of delivery as per the requirement of the Federation
16. Jurisdiction – The court at Bhubaneswar alone will have jurisdictions for any legal dispute which may arise out of this tender

Sd/-

**Managing Director  
OMFED**

## General Terms & condition

### Eligibility Criteria

1. Specification Each supply of these material must confirm to the Technical Specification enclosed as **Annexure I**
2. Quantity requirement: Attached separately
3. The quantity may vary and will be as per rate that will be finalized & at the discretion of OMFED.
4. Offer price / Rate: Quoted price should be FOR inclusive of all taxes, transport & insurance charge installation, commissioning & training etc.
5. In case there is any increase/reduction in Government taxes, excise, levies, the same will be made effective immediately.
6. Delivery Time: Supply, commissioning, testing & running within **30 days** from the date of acceptance of the order, directly at site.
7. The default penalties during deliveries of goods at all destination/site shall be in the accounts of the suppliers and no extra charges shall be paid for the same.
8. The goods to be supplied, shall be fully insured by supplier against loss/ damage incidental to manufacturer or acquisition, transportation, storage and delivery in the manner specified in the condition.
9. If any loss/damage occurs, the supplier shall make arrangement for repair and replacement of the same within the stipulated time.
10. Paper cost & EMD should be deposited through online portal at <https://tendersodisha.gov.in>.
11. This EMD/Security Deposit will carry no interest & shall be refunded only after completion of orders/contract satisfactorily and after obtaining clearance certificate from Concerned Plant Manager that there are no outstanding dues to be recovered from the L1 Bidder.
12. Change in terms, conditions & specifications: In case of any midyear change in terms, conditions & specifications decided by OMFED management, we reserve the right to cancel the contract in part or in full. However, in such instance, the supplier shall be provided with adequate notice period.

**13.DeliveryTime: -**

Supply shall be made within 30 days from the date of acceptance of the order. The delivery sites will be given in the Purchase order.

**14.Installation:**

Installation, Commissioning and trial run within 30 days from the date of Delivery of materials at site.

**15. A. Terms of payment for Supply and Erection**

- Bills in triplicate shall be submitted along with a copy of P.O 50 % on safe arrival of material at site.
- 40% after successful commissioning.
- PSD @ 10 % of billed value shall be retained by ordering authority for a period of 02 Years from the date of successful commissioning and shall be released subject to satisfactory performance.
- All payments are subject to deduction of statutory dues as applicable during the time of execution.

**15. B. Terms of Payment for AMC**

- A) Quarterly 01 no Visit.
- B) Any Emergency Visit 05times in a Year.
- C) Any minor spare parts under AMC.
- D) Payment will be made by Quarterly on submission of Visit report along with GST bills duly certified by Boiler I/c.

**16. Penalty:-**

- Penalty @ 0.5 % of the order value per week or part of the week shall be imposed for delay in execution beyond the time frame. The penalty amount will be Limited to 10% of the order value.

**17.Document to be submitted in technical bid.**

- Certificate from the client with detail contact address to establish supply of the items which are functional.
- Undertaking by the bidder that the bidder is not black listed by any Co-operative Milk Union/ State Milk Federation.
- Audited profit and loss account for the year 2022-23, IT returns for the financial year 2023-24
- Credentials in support of supply and installation of Offer for Pulse Jet Bag Filter 3000 CMH 1 TPH Boiler.
- Completion and performance certificate issued by the clients are to be furnished.
- Paper cost & EMD should be deposited through online portal at <https://tendersodisha.gov.in>.
- Printed technical literature / catalogue of the offered model (s) of the equipment.
- Duly filled in Manufacturers' authorization letter (for authorized channel partner)
- Xerox copies of PAN / GST.
- Valid NSIC/MSME certificate holders are exempted from the EMD(subject to submit the copy of said certificate for verification).

## **18. Terms and Condition**

- Bidders are advised to visit site prior to tender.
- The bidder cannot stipulate any terms and condition of his own beyond the tender requirements.
- The bid shall be rejected if not completed with tender requirement.
- All statutory approval is within the scope of the bidder.
- **Guaranty/Warranty for Design, Manufacture and Supplying of Bag filter 3000 CMH and All Bought-out and for Design, Manufacture and Supplying of Blower 3500 CMH and 300 MMWC pressures with Motor.**

## **19. Validity of Offer:**

01 years from the date of notification.

## **20. Return of EMD:**

1. The EMD of the technically disqualified Bidders shall be returned after declaration of the list of such technically qualified Bidders in the portal. The EMD of other unsuccessful Bidders shall be refunded after signing of the Agreement with the Successful Bidder. The return of the EMD shall be in the form of bank transfer to the account of the Bidder through the e-procurement portal of the Government of Odisha.
2. The EMD of the Preferred Bidder shall be returned upon the Preferred Bidder furnishing the Performance Security.

Signature of the Bidder with seal:

Date:

**Technical Bid Format for Offer for Pulse Jet Bag Filter 3000 CMH 01 TPH Boiler**

<b>SL NO</b>	<b>Description</b>	<b>Details</b>
1	Name of the Company	
2	Office address	
3	Phone no Fax No.	
4	Corporate Head Quarter address & Contact no.	
5	Local office address & Contact no in Odisha .	
6	Web site Address.	
7	Nature of the Ownership.	
8	Firm Registration No with date	
9	Details of Statuary Certificate / License/Clearance.	
10	GST Registration No	
11	PAN No	
12	DD for EMD	
13	DD for Tender Cost.	

Signature of the Bidder  
with seal:

Date:

**Documents to be submitted along with Technical Bid should be tick marked**

Sl. No	List of Documents required for Technical Bid	Information	Tick Mark
01	Tender cost (Non- refundable)		
02	EMD		
03	Audited Financial statement for 2022-23 to 2023-24		
04	I.T return for last 03 Years i.e. FY 2021-22 to 2023-24		
05	PAN No(Photo Copy To Be Attached)		
06	GST Registration Certificate		
07	Banker's detail of bidders along with a cancelled cheque		
08	GST return (GSTR – I & GSTR – 3B) from April 2024 to June-2024.		
09	Registration certificate of the Company/ Firm		
10	Client list		
11	Performance certificate given by the existing clients during last five years		
12	Experience during last five years		
13.	Service/Maintenance/replacement capability		
14	Sale and Support service capability		
15	Compliance Sheet of the Technical specification of the item		
16	Printed literature of the Item for which Tender being offered		
17	Previous Purchase order of other organization		
18	Self declaration of not black-listed anywhere in India		
19	Whether all the documents are properly signed with seal		
20	Whether Envelope 'Technical bid' and 'commercial bid' properly written.		
21	Whether the main envelope containing 'Technical bid' & "Commercial bid' properly sealed /signed and properly super scribed.		

Signature of the Bidder with  
seal:

Date:



**REQUIREMENT OF PULSE JET BAG FILTER 3000 CMH 01  
TPH BOILER**

<b>SI No</b>	<b>Name of Item</b>	<b>Quantity</b>
1	Pulse Jet Bag Filter 3000 CMH 1 TPH Boiler, Make-SG, Model-SG-PJ-12 (SUPPLY, INSTALLATION, TESTING, COMMISSIONING , TRIAL RUN AND AMC)	01SET

Signature of the Bidder with  
seal:

Date:

**Annexure-I. Technical Specifications of the Equipment's.**

<b>TECHNICAL SPECIFICATIONS FOR BAG FILTER</b>			
	<b>Client</b>		
	Equipment name	Pulse Jet Bag Filter	
	Qty		1NO
<b>SN</b>	<b>Parameters</b>	<b>Unit</b>	
<b>A</b>	<b>GENERAL</b>		
1	Make		SG
2	Model	SG-PJ	12
3	Equipment name		Pulse Jet Bag Filter
4	Application		DES
5	Type of bag filter	Type	Pulse Jet
6	Air Handling Capacity	m3/Hr	3000
7	Type of Dust		Boiler- Wood fired Dust
8	Dust concentration at Suction	g/Nm3	< 50 (Assumed)
9	Dust concentration at exhaust	mg/Nm3	< 40
10	Inlet Gas Temperature	Deg C	160
11	Maximum Design Temperature	Deg C	250
12	Pressure Drop Across Bag Filter	Mm WG	150
13	Air to Cloth Ratio	Mtr /min	1.2
14	Velocity at inlet and outlet of the bag filter	m/s	16
15	Velocity inside bagfilter	m/s	0.5
16	Bag filter Inlet Size	mm	300
<b>B</b>	<b>CONSTRUCTIONAL DETAILS</b>		
<b>C</b>	<b>HOUSING</b>		
1	Material		MS
2	Thickness	mm	3
<b>D</b>	<b>HOPPER</b>		
1	Material	mm	MS
2	Thickness	mm	3
3	Hopper Valley angle	Deg	61
<b>E</b>	<b>TUBE SHEET</b>		
1	Material	mm	MS
2	Thickness	mm	5
<b>F</b>	<b>INLET MANIFOLD</b>		
1	Material	mm	MS
2	Thickness	mm	3
<b>G</b>	<b>FILTER BAG DETAILS</b>		
1	Diameter	mm	155
2	Length	mm	2500

3	Filtration Area per Bag	m <sup>2</sup>	1.49
4	Total Filtration Area	m <sup>2</sup>	20.09
5	Fabric Material		Non Woven Fibre Glass 800/850GSM with PTFE Coating
6	Fabric Weight	GSM	800/580
7	No of filter bags	Nos	24
8	Temperature	Deg C	250
H	CAGE AND VENTURY DETAILS		
1	Cage	Type	Inverted 'U' type TOP and Bottom CUP with H RAlu. Painted
2	Ventury	Type	MS + HR Alu.
I	PULSE JET CLEANING SYSTEM		
1	Compressed Air Requirement	Nm <sup>3</sup> /Hr	10.2
2	Compressed Air Pressure Requirement	kg/cm <sup>2</sup>	5-6
J	SOLENOID ALVEDETAILS		
1	Qty of valves		5
2	Type		Solenoid Actuated diaphragm
3	Make		U-Flow/ Maniks
K	WEIGHT OF BF W/O DUST	Kg	1400
1	No of housing	No	1
2	No of hoppers	No	1
L	INSTRUMENTATION		
1	Manometer		100 - 0 -100
2	Compressed air pr. Gauge	Fibig	Provided

Signature of the Bidder with seal:

Date:

3	Solenoid Actuated diaphragm Valve	Size (inch)	1"
4	Differential Pressure switch	Switzer	N.A.
5	Solid State sequential Timer	No of ports	5
6	Isolation valves on Air Header		Provided
M	SAND BLASTING		included
N	PAINTING		HR Aluminum

**TECHNICAL SPECIFICATIONS FOR ROTARY AIR LOCK VALVE**

1	Capacity	Kg/hr	315
2	Size	NB	150

**APPROXIMATE AREA REQUIRED FOR THE SYSTEM**

1	Bag Filter (W X B X H)	Mtr	1.2 X 1.2 X 5.2
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**3. Inclusions :**

- a] Control Panel & All type of cabling and wiring to individual equipment.
- b] All Civil foundation work for the equipment.
- c] Compressor and Compressed air pipeline required, not considered in our scope.
- d] Ducting & Ducting supports, not considered in our scope.
- e] Spark Arrestor and Inlet-cum-bypass-damper (ICBD) not considered in our scope.
- f] Crane/Hydraulic Lifter/EOT required for Erection
- g] First Fill of Lubricants, Chemicals.
- h] Thermal Insulation & Cladding for Bag filter.

Signature of the Bidder with seal:

Date:

#### 4. Battery Limits:

a	Compressed air	At the inlet of solenoid valve for pneumatic actuator and at the inlet of compressed air header for bag filter.
b	Electric cable	At the input of the control panel and at the output of the control panel.

#### 5. Utilities Required:

a	Compressed Air	Compressed Air requirement: 10.2 Nm <sup>3</sup> /Hr. Pressure: 5 - 7 kg/cm <sup>2</sup> (G), Grade: Oil and Moisture free
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#### 6. List of the Bought Out Components :

Sr	Component	Make
1	Bag filter / ID Fan	Own design (SG)
2	Plates, Pipes & Structural	Reputed make
3	Motor for RAV/Fan	Crompton / ABB / SIEMENS
4	Solenoid Valve for bag filter	U-Flow/Maniks/ Aira
5	Gear Box	Bonfiglioli/PBL/IC Bauer
6	Sequential Timer	BELS Instrument/Maniks / Kana / Shiva
7	Filter Bags	Montex/ MMP./ Mantra/Skytech/Equivalent Make

Signature of the Bidder with seal:

Date:

**COMMERCIAL BID ( for reference only)**

**Bidder must participate through <https://tendersodisha.gov.in>**

**Financial bid format for Offer for Pulse Jet bag Filter 3000 CMH 01TPH Boiler.**

SI No	Description	Nos. of Units	Unit Rate (Rs)	Amount (Rs.)
1.	Design, Manufacture and Supplying of Bag filter 3000 CMH and All Bought-out Items as per above Technical Specifications.	1 Set		
2.	Design, Manufacture and Supplying of Blower 3500 CMH and 300 MMWC pressures with Motor.	1 Set		
3.	Erection & Commissioning (Including Ducting, Ducting Supports, Hoods M.O.C. is MS & painting "HR Aluminum", Transport, Packing & Forwarding, Insurance, Unloading & Storage at site, Govt./PCB Clearance, Lodging and Boarding, travelling Expenses, Drawings (General Arrangement & Foundation drawing of bag filter and ID fan)	1 Set		
4.	AMC charges for 02yrs after completion of warranty period of above Part-I SI No.01 & 02. A) Quarterly 01 no Visit. B) Any Emergency Visit 05times in a Year. C) Any minor spare parts under AMC. D) Payment will be made by Quarterly on submission of Visit report along with GST bills duly certified by Boiler I/c.	1 Set		
Total				
GST as applicable				
Grand Total				

**Signature of the Bidder with seal:**

Date: