

**BHOPAL SAHAKARI DUGDH SANGH MARYADIT****HABIBGANJ, BHOPAL 462024**

AN ISO 9001 : 2015 Certified Organization

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**Ref No: 08/Engg/2022****Dated: 31.03.2022****NOTICE INVITING E-TENDER**

Online Tenders are invited for supply, installation & commissioning of **Boiler Capacity 600 Kg Per Hour (As per scope of work) on turnkey basis** at Cattle Feed Factory Pachama from reputed manufacturerers/dealers/Channel partners/Supplier. The tender documents containing the terms and conditions can be purchase online & downloaded through following website <http://www.mptenders.gov.in> from 31.03.2022 onwards. The tender will be opened in the office of the undersigned as mentioned in tender time schedule(key date). The detailed Tender Form can be seen (only for reference) at our website: [www.sanchidairy.com/www.sanchibhopal.com](http://www.sanchidairy.com/www.sanchibhopal.com). CEO BSDS reserves all the rights to accept or reject any offer or all the offers without assigning any reasons thereto. Any changes/amendments will be notify on [www.sanchibhopal.com](http://www.sanchibhopal.com) only and not on at any other platforms.

Name of item	EMD (Rs)	Tender Fee (Rs)	Bid submission due date & time	Technical Bid opening Date & time
Supply, installation & commissioning of <b>Boiler Capacity 600 Kg Per Hour (As per scope of work) on turnkey basis</b> at Cattle Feed Factory Pachama,Sehore(MP)	40,000/-	1000/-	20.04.2022 03:00 PM	21.04.2022 03:00 PM

**CHIEF EXECUTIVE OFFICER**

## TENDER DOCUMENTS

Schedule I : Technical Specification for Boiler  
Schedule II : Terms & Conditions (General & Financial)  
Schedule III : Form A  
(To be filled scanned and uploaded online.)

Schedule IV : Price Schedule to be filled on line

Tender Cost : Rs.1000/-(One Thousand only)

Place of opening of Tender : Meeting Hall of The Bhopal Sahakari  
Dugdha Sangh Maryadit, Bhopal.

Address for Communication : The CEO, Bhopal Sahakari  
Dugdha Sangh Maryadit,  
Bhopal 462024

## SCHEDULE - I

### TECHNICAL SPECIFICATION FOR BOILER PACKAGE

#### SCOPE OF WORK AND DETAILS OF BOILER, PIPING AND ACCESSORIES ETC.,

**NON – IBR Boiler** model capable of generating 600kg/hr of steam at 120degC at a maximum safety valve set pressure of 10.54 Kg/cm<sup>2</sup> when fired on FO & LPG/NG.

#### BOILER

FO & LPG/NG fired 600 Kg/hr capacity Steam boiler, Vertical and shall be water tube coil type. Boiler shall have the following features:

- a. The boiler must have company fitted water feed pump, oil pump and all the accessories / mountings necessary for its complete and efficient operation.
- b. The boiler must be suitable for operating at maximum of 10.54 kg/cm<sup>2</sup> steam pressure.
- c. The job includes connecting boiler and outlet with soft/RO water piping and steam piping along with necessary control valves and fittings.
- d. The steam boiler shall be fitted with sub panel containing electronic gadgets/ transducers for the electrical operation of the burner and the boiler feed pump controlling the operations in sequence.
- e. The operation of the steam boiler must be both manual as well as semi automatic.
- f. The boiler must be installed on reinforced cement concrete foundation block. Which will be in scope of tenderer. Recommended drawing from OEM for foundation block has to be provided by the bidder.
- g. The steam boiler has to operate at 415+ 5% V, 3 phase /50Hz
- h. The steam boiler should be equipped with all necessary mountings and fittings including all safety devices, valves, gauges, electrical starters, switches etc.
- i. The job also includes providing and fitting of PRV station suitable for 600kg/hr steam boiler at an operating pressure of 10kg/cm<sup>2</sup>.
- j. The boiler inspection & test certificates (including hydraulic test) from concerned authority & OEM shall be furnished to the department

#### AUXILIARIES

- a. One Pressure atomized, forced draught, down firing burner assembly suitable for FO & LPG/NG firing.
- b. Blower coupled with motor, mounted on bottom chassis, duly connected to the jacket, blower mounted fuel pump assembly for Boiler.

- c. One Number of Water pump, with surge suppressor and relief valve, mounted on pumping module.
- d. One set of Electrical board shall be IP 42 pre-wired control panel with necessary switch gear, power and control circuitry.
- e. One Set of tool kit.

**PIPING**

Feed water line between feed pump and boiler and Fuel oil line between Fuel pump, Y-strainer, burner.

The piping shall be of Carbon steel seamless steam piping conforming to IS 1239 (Part 1) and fittings such as bends, shoe bends, flanges, nipples, sockets, unions, nuts, bolts, washers etc Complete in all respects along with mild steel E.R.W type (Black Steel) heavy class conforming to IS 1239-79, Part-1 with amendments-1 of Jan. '81 and amendments thereafter, if any.

**a) SUPPORTS:**

Pipe supports, made out of various structural steel sections like ISMC-75, ISA 6565x6mm, ISA 5050x5mm, ISA 4040x5mm etc. shall be provided for the suspended piping wherever required to prevent shaking or sagging. Supports shall be further reinforced at places where fittings are provided to avoid stress on the pipeline. Angle supports/ ceiling hangers etc. shall be fixed to the walls/ ceiling by means of metallic dash fasteners as per site requirements or as approved by the site in-charge. The supports must be smooth with rounded off edges duly applied with two coats of primer followed by synthetic enamel paint. Spacing of the pipe supports shall be more than following:

<b>Pipe size in mm</b>	<b>Spacing in meters</b>
20/25	2.00
32/40/50/65	2.50

**b) SYSTEMATIC PIPE LAYOUT:**

The piping shall be installed in a uniform manner, parallel to or perpendicular to walls or ceilings and all changes in direction shall be made with fittings. The horizontal piping shall be run at right angles. Bull heading, diagonal crossing over other piping and across the rooms should be avoided. All the piping shall be carefully installed to provide for proper alignment, slope and expansion. All the valves installed inside the plant room must be positioned in an accessible manner and if not so these must be made accessible by providing steel platforms duly fixed in the floor.

**c) TESTING:**

In general, tests shall be applied to piping before connection of equipment and appliances. In no case piping shall be subjected to pressures exceeding their test rating. The tests shall be completed and approved before any insulation is applied. Testing of the segments of pipe work will be permitted, provided all open ends are first closed by blank-offs or flanges.

After tests have been completed the system shall be drained and flushed 3 to 4 times and cleaned off all dust and foreign matter. All the strainers, valves and the fittings shall be cleaned off all dirt, filings and debris, if any. All the piping shall be tested to a hydraulic test pressure of at least one and a half times the maximum operating pressure, but not less than 10Kg/cm<sup>2</sup> for a period of not less than 3 hours. All the leaks & defects in the joints revealed during the testing shall be rectified to the entire satisfaction of the engineer-in-charge.

**d) MOUNTINGS AND FITTINGS VALVES:**

Flanged steam control gate valve for steam piping along with necessary gaskets/nuts/bolts etc and steam condensate must be suitable for steam up to working pressure of 150psi and tested at 300psi max. The valves further must be suitable for a temperature of 225°C.

**VALVES: BALL / GATE**

Ball valves up to and including 65 mm dia. shall be of gun metal screw type suitable for 10kg/cm<sup>2</sup> test pressure and as per ISO 9001. Check valves (NRV) up to and including 50mm dia. gun metal screwed type, ISI marked class 1 of IS:778. Check valves shall be flanged type in cast iron construction and conforming to class PN-1 All the valves shall meet all the requisite standards and specification under BIS.

**FITTINGS:**

All bends shall be ready made, heavy duty of appropriate class. All fittings such as branches, **reducers' etc. in all sizes shall be fabricated from the same material as that of pipes** of similar dia. and thickness used **in the circuit. The reducers shall be eccentric type. To avoid pressure drop, shoe bends / U loop without joints instead of "Tee"** joints wherever required shall be fitted. The length of the reducers must be twice the dia. of the pipes. While laying of offsets, 45° angles over 90° angles should be preferred. Also long bends must be used.

One set isolating needle valves for indicating instruments.

**STEAM**

One Main steam stop valve One Auxiliary steam stop valve

One single port spring loaded safety valve

**FUEL**

One Strainer, "Y" type on fuel oil line

One main fuel filter (loose supply)

**PAINTING:**

i. All hidden pipe supports, posts etc. shall be applied with two coats of red oxide primer.

- ii. Exposed pipe supports shall be applied with a coat of red oxide primer followed by two coats of enamel paint of approved shade.
- iii. All un-insulated pipes shall be given a coat of red oxide primer followed by a coat of enamel paint of approved shade

### INSTRUMENTS, CONTROLS AND SAGETIES

One Burner programmer with matching flame detector One Set Audio-visual alarms for abnormal conditions

### STEAM

One Steam pressure switch for burner ON-OFF control One steam pressure gauge

One Steam temperature indicator-cum-switch for high alarm

### WATER

One Low water level alarm switch on economizer One Blow down valve limit switch

### FUEL

One Fuel pressure indicator.

### GLASS WOOL INSULATION:

The insulation for hot water piping shall be of glass wool pipe sections. The insulating material shall be non-combustible with following specifications:

Insulating material must be fixed with the piping with the help of binding wire and covered with 0.63 mm x 20mm mesh wire netting. Hot water piping after insulation must be cladded with aluminum sheet of 26 gauge thickness properly riveted. All joints of adjoining section shall be staggered in relation to each other. The insulation of hot water piping shall be provided and fixed as per the specification and diameter of the piping below:

### **Pipe diameter Thickness of Insulation**

50mm 40mm

40mm 25mm

32mm 25mm

25mm 25mm

20mm 25mm

### BATTERY LIMITS STEAM

**Steam line shall be fabricated and laid up to existing steam header available.**

### WATER

Heat optimizer inlet Advent outlet economizer

Economizer drain valve outlet Relief valve on feed water pump Blow down valve outlet

### **FUEL**

Main filter inlet /outlet.

Fuel pump bypass connection. Burner by pass line.

Y-Strainer Drain connection

### **AIR AND FLUE GAS**

Suction of blower

Fuel gas outlet on economizer

### **ELECTRICALS**

Terminal connectors on control panel

### **POWER SUPPLY**

415 volts AC  $\pm 5\%$ , 50 Hz  $\pm 3\%$  and 3 phases for Wire system and 240 Volts AC  $\pm 5\%$ , 50 Hz  $\pm 3\%$  and 1 Phase for Control circuit. In case there is fluctuation in the Voltage supply we would advise use of a constant voltage transformer.

### **EARTHING:**

The earthing shall be laid for various equipment's inside the plant room. The job include excavation of pit, filling it with charcoal, salt and black soil as detailed below after providing copper plate electrode in the pit. The job further includes connecting of this copper plate electrode with equipment's using tinned copper strip of size 25x3 mm with the help of compatible nuts and bolts. The strip shall be properly concealed in the floor. The earthing should be as per Indian Electricity Act.

### **AMBIENT CONDITION**

Ambient/Room temperature – 47°C /03°C

### **DOCUMENTS AND GUIDANCES NEEDED**

- i. DRAWING SET: Terminal point, layout, foundation Details, boiler electrical wiring diagram and P& I diagram.
- ii. DOCUMENTS: installation manual, O & M manual, Folder (At the time of dispatch)
- iii. GUIDANCE ON: Selection & Installation of boiler house accessories, open inspection & hydraulic test of the boiler and commissioning
- iv. TRAINING For purpose of user's education for boiler, equipment's, operation and maintenance of Boiler.

### **TECHNICAL FEATURES OF STEAM BOILER**

The Scope of work includes (but is not restricted to) Supply, Installation, Testing and Commissioning of following equipment's, accessories etc. required for the complete functioning of the CFF Plant. Any additional items/ works that are required to make the system fully operational and are within the scope shall fall within the limits of this contract. The quoted capacity of boiler and other equipment shall be at CFF Pachama.

#### **TECHNICAL SPECIFICATION:**

- a. Steam output: At F&A 120°C should be 600 kg/hr. Steam output from boiler should be sufficient to meet maximum requirement of steam for CFF Pachama without any adverse effect on steam temperature & quality. 03 pass or equivalent, once through, forced circulation designed Non-IBR boiler
- b. working pressure : 10.5 kg/sq.cm (Maximum 15 kg/sq.cm)
- c. Steam Temperature: 120 deg C to 180 deg C.
- d. Fuel : FO & LPG/NG (Dual fire)
- e. Fuel Consumption : To be quoted
- f. Thermal efficiency (NCV) : 89±2% (NCV –as per fuel used)
- g. Burner control: On-Off type.
- h. Water pumps Motor: 2 Hp- 3HP.
- i. Total connected load : less than 2.75 KW
- j. Electric supply : 3 PH, 415 V AC, 50 Hz
- k. Overall dimensions (approx.): Length: 1500mm, width: 1400mm, Height: 2350mm
- l. Dry weight (approx.): 1000kg
- m. Dryness factor: minimum 1 or 100 %

#### **DESIGN FEATURES:**

- a. Designed for ease of operation and maintenance.
- b. All standard parts to be used for easy availability of spares.
- c. Three pass reverse flue design.
- d. Semi automatic burner control.
- e. Designed for maximum efficiency.
- f. Water tube coil boiler



- g. Reciprocating boiler water feed pump motor assembly.
- h. Pre-wired control panel with sequence controller, fuse, temperature controller, contactors pressure switch etc.
- i. Pressure parts fabricated out of ERW tubes.
- j. Pressure jet burner assembly.
- k. Blower fuel pumps motor assembly.
- l. Outer shell for preheating air & enclosing pressure parts.
- m. Line connection from existing FO service tank to Boiler Burner.

**Control instruments and Safety items:**

- a. Pressure indicator to indicate fuel pressure.
- b. Pressure switch to maintain constant steam pressure by controlling burner on off operation.
- c. Light based sensor to sense the boiler flame failure with audio visual alarm and burner shut down with fuel cut off.
- d. Pressure indicator to indicate steam pressure.
- e. Temperature indicator cum controller to indicate steam temperature & for safety against steam superheat.
- f. Steam safety valve at the unit outlet.
- g. Temperature indicator cum controller on flue gas side as safety against low water flow in coil.

**TECHNICAL SPECIFICATION (Water softener, flow rate – 600lph-approximately):**

Existing water facility will be used.

**TECHNICAL SPECIFICATION (Water feed pump):**

- a. These pumps shall be capable of meeting raw water supply rate to softener and storing of boiler feed water in overhead tanks at maximum output capacity of water softener.
- b. Flow: 06 meter<sup>3</sup>/hour @ 25 meter head
- c. Capacity: 3HP
- d. Mono block set (CI)
- e. Suc/Del: 50mm/40mm

### List of Approved Makes of Equipments and Fittings

1. Steam Boiler : Thermax/ Jaya/Indotherm **or equivalent**
2. Piping : Jindal / Surya / Prakash / Tata **or equivalent**
3. GI piping : Jindal/ Surya / Prakash **or equivalent**
4. Insulation : GlasswoolTwigaorLloyd/RockWool/Sunrock **or equivalent**
5. Ball Valves : Audco/CIM/SANT/Leader/Excel **or equivalent**
6. Gate Valves : Audco/CIM/SANT/Leader/Excel **or equivalent**
7. Traps : Thermax / **or equivalent**
8. Bends & Reducers : Seamless Sch 40 **or equivalent**
9. Flanges : Class 150 **or equivalent**
10. Water Softener Plant Ion Exchange : Thermax **or equivalent**
11. Gear Diesel pump : Rotodel/ Roto fluid **or equivalent**
12. Pressure/ Temperature and Gauges : Guru/Fiebig/ Honeywell/ Waree **or equivalent**
13. Servo Voltage Stabilizer : Automatic Electronics/Blueline/Electric Field/ Servomax **or equivalent**
14. Electrical Panel : Krypton/ Mir electrical/ Adellac/ Advance/ Thermax / Equit **or equivalent**
15. Cabling : Havells/ Gloster/ Reliance/ Orbit / Polycab **or equivalent**
16. MCB's/ MCCB's : Havells /SSK/ L&T/ Legrand **or equivalent**
17. DOL starter : Havells /SSK/ L&T/ Schnider **or equivalent**
18. Contactors : L&T/ Siemens/ Schnider **or equivalent**

**Note: In case any other make apart from those specified above is being used specific approval of the Technical Committee at BSDS would have to obtain.**

## **TECHNICAL TERMS AND CONDITIONS**

- Bidder's quotation shall meet all specification of boiler, boiler accessories, pumps, tanks, pipelines, other connected equipment's and workmanship of erection and commissioning of boiler as mentioned in the Tender.
- The bidder/ contractor shall carry out all the jobs/ works for supply and erection & commissioning of boiler, water treatment plant, pumps, tanks, pipe line & its supports, Laying of all foundations of boiler and all connected equipment's.
- **Raising of floor area of Boiler room, rectification jobs for leakage of rain water and walls of boiler shelter suitable for site condition & operation may be quoted as optional.**
- User List of customers to whom similar works have been executed.
- In case the bid is submitted by Authorized dealer of manufacturer, an authorization certificate from the manufacturer for **SALES AND SERVICE** should be attached.
- Company's profile with facility of manufacture / direct dealership certificate for Sales & service / authorization letter for installation & service of Boiler from the original manufacturer and profile of quality control network.
- The duly filled technical data sheet furnished in Tender will have to be submitted along with Technical Bid offer

### **Note:**

**The vendor/ Supplier must agree and fulfill all the above eligibility criteria / pre-qualification conditions. The Technical datasheet (enclosed with tender) duly filled by the vendor/ Supplier will be considered for selection and further processing. Technical bids of vendors not fulfilling the pre-qualification conditions as mentioned above will be rejected. CLRI reserves the right to verify / confirm all original documentary evidence submitted by vendors/ Suppliers in support of above mentioned clauses of eligibility criteria.**

### **Submission of Drawings and Technical Data:**

The contractor shall submit five sets of general arrangement drawing indicating overall dimensions, Boiler, pumps, water tanks, electrical and wiring diagram of the boiler system, etc. within one week from the date of placing the order by the purchaser/ customer. Technical Data of all items that would be supplied shall also be furnished, along with make and model number of the respective items, in the enclosed Technical Data Sheet which is attached with tender document.

### **Packing and Transportation:**

- a. Bidder shall note that packing shall be in accordance with the instructions outlined. Each package shall be limited to the sizes and weights that are permissible under the existing rail and road limitations.
- b. Equipment's shall be well packed, protected and insured against damage or breakage during shipment and delivery.
- c. Each package shall be properly labeled to indicate the type, quantity of material it contains, the work / Purchase order number, dimensions, weight and other necessary data to identify the equipment's (boiler, pumps, equipment's / parts of water treatment plant) related to BSDS order.

### **Materials and workmanship:**

All materials shall be new and free from defects and first class quality in all aspects. Parts shall be free from flaws and objectionable imperfections and shall be machined true in a workman like manner. No deviation from the specified materials is permissible. Wherever materials are not specifically called out, they shall be properly selected by the contractor out of the best standards for the particular application and with the prior approval of the department.

### **Standards and codes:**

The design, manufacture and performance of equipment (Boiler) shall comply with currently applicable statutory regulations and safety codes in the locality where the equipment (Boiler) will be installed. The contractor shall refer the relevant sections of the specification for Boiler and work standards and codes.

### **Delivery of items and completion of Work**

1. *Validity of quotations:* The offer shall be valid for a period of not less than 90 days from the date of opening of tender.
2. *Delivery period:* 1 month for supply of materials from the date of issue of BSDS order from the Department.
3. *Completion of Work:* Installation/Erection and work completion at site shall be 2- 3 months from the date of issue of order from CLRI.
4. *Time schedule chart:* The contractor shall furnish a detailed work schedule chart covering the scope of all activities and period required for completing each of the activities, within 5 days from the date of issue of work order from the Department.

### **Guarantee:**

The contractor shall provide guarantee for trouble free & efficient performance of the Boiler with other supplied equipment's & accessories for One-year period from date of acceptance by the customer after the successful completion of work/ commissioning/ testing. The supplier will have to attend all the faults and replace all defective components/spares etc., at free of cost during the guarantee period of one year.

**Note:**

1. The tenderer/ bidder shall quote make and model of the boiler, pumps, accessories, other equipment's and enclose catalogues /leaflets along with quotation.
2. The tenderer/ bidder shall highlight the features and facilities of the Boiler.
3. The tenderer / bidder shall submit their proposed layout drawings (Plan & Section views) for Boiler , pumps, accessories, other equipment's suitable for size of existing boiler house with locations shown in the enclosed plan of drawing layout that are enclosed with tender document.
4. The requirement of civil RCC pedestal/foundation as necessary shall be clearly indicated with its cost in the vendor's /supplier's quotation.
5. The space required for installation of Boiler and overall space requirements around boiler for ease of O&M activities for each of the equipment shall be clearly indicated in the technical leaflet. /layout drawings.
6. The Vendor/ Supplier shall submit the schematic electrical power and control wiring diagrams of boiler, pumps, accessories, other equipment's and system along with the Technical Bid for planning and coordination of work.

**TECHNICAL DATA SHEET**

**TECHNICAL DATA**

**1. Boiler:**

- a. Make of Boiler:
- b. Type of Boiler :
- c. Capacity of Boiler:
- d. Coil configuration of boiler:  
(No. of pass, type of circulation etc.,)
- e. Working pressure :  
(Indicate maximum pressure also)
- f. Range of output Steam Temperature :
- g. Fuel :
- h. Fuel Consumption :
- i. Thermal efficiency (NCV):
- j. Type of Burner control:
- k. Power of Water pumps Motor:
- l. Limit for connected load : less than 2.75 KW

- m. Required Electric supply:
- n. Overall dimensions of boiler (approx.): (Length, width, Height)
- o. Dry weight of Boiler (approx.) :
- p. Dryness factor of output Steam: (Minimum and maximum)

**2. Steam Piping (Up to PRV)**

(Indicate make, model and type of material)

- a. Pipe Make:
- b. Type of Insulation
- c. Ball Valve Make:
- d. Gate valve Make :
- e. Make and model of pump:
- f. Pressure/ Temperature and Gauges

**3. PUMPS**

**FO Pump**

- a. Type/Make :
- b. Power HP/KW :
- c. Rating (A) :
- d. Head Range (Metre) :

**4. Painting details for primer and final Coating**

Brand and Type of Primer painting: Brand and Type of Final painting :

**5. ELECTRICAL**

- a. Stabilizer Make/KVA :
- b. Electrical Board :  
( furnish complete details )
- c. Cables Details :
- d. Switches Make/Type/Rating :

**e. Starters:**

FO pump Starter :

- Type/Make :
- Contactormake/type :
- Contactormaking (A) :
- Overload relay range(A) :
- Control wiring Details :

**6. Civil JOBS/WORKS**

Boiler Foundation

Size in mm ( A x B x H mm ) :

FO Pump Foundation:

Size in mm ( A x B x H ) mm :

Chimney Foundation:

Size in mm ( A x B x H ) mm :

Concrete or angleframe work :

Note:- This is to verify that we have visited the site/understand the scope of work and after understanding all work requirements we have quoted the price in tender

BIDDER SIGNATURE

**Terms & Conditions (General & Financial)**

**General terms and conditions:**

1. The Bidder shall bear all costs associated with the preparation and submission of its bid, and in any case BSDS Bhopal will not be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
2. **It is in the bidder's interest to visit the site and understand the local conditions BSDS Bhopal shall not be held responsible for any cost implications because of local conditions or for bidder not visiting site.**
3. The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the Bidder and BSDS Bhopal shall be written in English language.
4. Bidder is advised to submit the technical bid and financial bid online only. Both the documents will be opened as per schedule.
5. The bid and all attached documents should be signed by the bidder as a token of acceptance.
6. BSDS Bhopal has to finalize its purchase within a limited time schedule. Therefore, it may not be feasible for BSDS Bhopal to seek clarifications in respect of incomplete offers. Prospective bidders are advised to ensure that their bids are complete in all respects and fulfill BSDS Bhopal terms, conditions and bid evaluation criteria of the tender. Bids not complying with BSDS Bhopal requirement may be rejected without seeking any clarification.
7. Bidder has to sign a **Non-Disclosure Agreement** with BSDS Bhopal. Any technical document, drawings in the form of soft or hard copy shall not be disclosed to anybody outside the working team. All the hard copies shall be destroyed immediately after the use.
8. The bidder should **submit a declaration** to the effect that neither the bidder themselves, nor any of its allied concerns, partners or associates or directors or proprietors involved in any capacity, are currently serving any banning orders issued BSDS Bhopal/MPCDF Bhopal debaring them from carrying on business dealings with BSDS Bhopal.
9. Bidders should quote prices in Indian rupee only. Prices quoted in any other currency shall not be considered.
10. The **Bid shall be valid for acceptance for the period of 90 Days** and shall not be withdrawn on or after the opening of bids till the expiration of the validity period or any extension agreed thereof.
11. **The earliest period by which the job can be executed in total should be clearly stated in the quotation and such period should be strictly adhered to in the event of a work order.**
12. Bids qualified by vague and indefinite expressions such as "Subject to availability" etc. will not be considered.
13. The bid along with all technical details, appendices and copies of documents should be submitted to BSDS Bhopal. The Technical bid shall contain all details required as per the specifications.
14. In case the bidder needs to clarify and/or understand the full scope of his work before submitting the quotation, he may do so by taking prior appointment or by writing email to **I/C (Engg.) BSDS Bhopal (Email Id-engg.bsds@gmail.com)** The Client will respond by email to such requests and copies of the response (including an explanation of query but without identifying the source of enquiry) will be sent to all invited bidders who intend to submit the proposal, and also posted at [www.sanchibhopal.com](http://www.sanchibhopal.com) (if found necessary).



15. The successful bidder shall be responsible for the correctness and accuracy of the drawings, documents and reports prepared by him. Approval of the drawings and documents by BSDS Bhopal/their representative shall not relieve him of his responsibility for correctness and accuracy of such drawings and documents. No compensation or extra payment shall be made by BSDS Bhopal for any correction or changes made in the execution work.

16. Bidders should ensure that they qualify for all the items of the assignment. The bidders shall have experience and expertise in the scope of work as detailed in this tender.

17. The acceptance of bids will rest with CEO BSDS Bhopal who does not bind himself to accept the lowest bid and reserves to himself the authority to reject any or all the bids received. Also, CEO BSDS Bhopal reserves to himself the right to accept the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

### **Commercial terms & conditions:**

1. The bids will be evaluated on the basis of technical suitability and financial quotation.

2. Technical bids should be submit online only with all the relevant details and documents.

3. Price bids should clearly mention the detailed price break-up of scope of work as given in Part-I of tender and taxes separately. **If the tax value differs for different items, these shall be mentioned separately. Price Bid should be filled online only.**

4. Technical evaluation will be based on the criteria detailed in the eligibility for bidding and scope of work as given in Technical Specifications. If required, evaluation of the bidder's resources would be undertaken by the client by visiting the bidder's premises.

5. BSDS Bhopal is partially/fully exempted from payment of customs/excise duty, if applicable. As the above statutory provisions are frequently reviewed by the Govt., the bidders are advised to check the latest position in their own interest and BSDS Bhopal will not bear any responsibility for any incorrect assessment of the statutory levies by any bidder.

6. Government of India's guidelines on **GST** shall be complied.

7. The Bid Security is required to protect the BSDS Bhopal against the risk of Bidder's conduct which would warrant the security's forfeiture. **The value of bid security is mentioned in the cover page.**

8. The Bid Security shall be forfeited by BSDS Bhopal in the following events:

8.1 If Bid is withdrawn during the validity period or any extension thereof duly agreed by the Bidder.

8.3 If Bid is varied or modified in a manner not acceptable to BSDS Bhopal during the validity period or any extension of the validity duly agreed by the Bidder.

8.3 In case at any stage of tendering process, it is established that bidder has submitted forged documents/certificates/information towards fulfillment of any of the tender/contract conditions.

9. EMD will be treated as Bid security.

10. EMD of successful Bidder/L1 Bidder will be released after one year from successful installation and commissioning of Boiler. Or warranty period is over.

11. BSDS Bhopal shall make payments only through Electronic Payment mechanism (viz. NEFT/RTGS/ECS). A successful Bidder should invariably provide the required bank details as and when required by BSDS Bhopal.

## **12. LIQUIDATED DAMAGES;**

- 12.1 The time period and the date of delivery of the machine stipulated will be within 09 months. Delivery date are fixed for supply of machine they shall be strictly adhered too. In case they are not followed, or in case of delay in execution or non-execution of the order, the Dugdha Sangh reserves the right either to cancel the order and make alternative purchases from other sources, at the risk and cost & expenses of the defaulting supplier. In case the supplies are not affected as per the schedules, the liquidated damages may be charged on the goods not so delivered as under:-

Sl.No.	Duration of delay	Liquidated Damages
1.	Upto 15 days	1% cost of the unit.
2.	Between 16 to 30 days	2% cost of the unit
3.	Beyond 30 days	Upto 5% cost of the unit.

- 12.2 If the tenderer fails to make supply as per purchase order without any valid reason, the order would be treated as cancelled and the firm may be blacklisted for future dealings and EMD also would be forfeited by the management.

- 12.3 In case of any disputes the area of jurisdiction will be Bhopal only.

## **13. PAYMENT:**

- (i) 70% payment shall be released after receipt of machine at site OR 70% payment of total cost will be released against 80% of Bank guarantee of total bid cost having validity of 09 months.
- (ii) Balance 20% after completion and successful trial run.
- (iii) Rest 10% will be released after one year of commissioning & Successful trial run or against BG equivalent to 10% of total cost.

## **14. Delivery Schedule with work completion : 09 Months**

## **15. General Notes to Bidder/Supplier:**

**1. Pre-dispatch inspection at supplier's factory is needed. Post supply inspection is not permitted.**

2. The facility for pre-dispatch inspection / testing for the indented item shall be available with the supplier. Inspection of all the items ordered shall be carried out in presence of purchaser's representative at the supplier's factory. The inspector shall approve the test results, after witnessing the test. This includes the tests for all the requirements mentioned in the indent specifications. Supplier shall provide all the inspection, testing facilities and test reports.

3. Shipping clearance will be issued only after the satisfactory test results.

4. All the relevant catalogues, manufacturer's test certificates in standard format and Operation & Maintenance Manual shall be submitted along with the material.

5. The material shall conform strictly to the relevant specifications and standards.

**6. The supplier shall submit a certificate for guarantee of the material/service against any defects for 18 months from the date of supply or 12 months from the date of installation.**

7. The material shall be properly packed to avoid damage of any kind during transit. BSDS Bhopal is not responsible for any damage during transit. The safe door delivery at BSDS Bhopal is in the scope of supplier.

8. All the work mentioned in the tender document shall be executed at **Cattle Feed Factory Pachama Sehore.**

## 9. Arbitration

1. Any disputes between the parties to the contract, arising out of or relating to the contract, other than those for which the case may be put up to Managing Director, MPCDF Bhopal for resolution. In case of non resolution further action will be taken as per Arbitration Act 1996
2. The work under the Contract shall continue, during the Arbitration proceedings.
3. The award of the Arbitrator shall be final, conclusive and binding on both the parties.

## ELIGIBILITY FOR BIDDING

The bidder must possess the requisite experience, strength and capability necessary to meet the requirements as described in the tender documents.

Bids can be submitted by an Individual company or a Consortium. (Please refer \*Consortium Criteria)

- a) “Consortium\*\*” shall mean more than one company up to a maximum of two (2) which joins with other companies for complementing skills to undertake the scope of work defined in this RFP.
- b) Memorandum of Understanding (MOU)/Agreement among the members signed by the Authorized Signatories of the companies dated prior to the submission of the bid to be submitted in original. The MOU /Agreement shall clearly specify the prime bidder and outline the roles and responsibilities of each member. However, complete responsibility from the submission of Bid to the successful completion of the project lies with the Prime Bidder, in case the other consortium members fail in their responsibilities.

The bidder must also possess the technical know-how sought by BSDS, for the entire period of the contract. The bids must be complete in all respect and should cover the entire scope of work as stipulated in the Tender document.

Sr. No	Basic Requirements	Description	Documents Required
1.	Legal Entity	<ol style="list-style-type: none"><li>a. An entity registered under Indian Companies Act, registered firm, society, proprietorship firm, or institutional organization.</li><li>b. Valid PAN card and GST registration in India.</li><li>c. Boiler manufacturer or their authorized channel partner/dealer/supplier should have its service support office in Bhopal (MP).</li></ol>	Certificates of incorporation / Registration Certificates along with Bylaws/ MOA & AOA or similar legal document.
2.	Turnover	The bidder should have a minimum annual average turnover of Rs. 50 Lakh in the last three financial years 2018-19, 2019-20, 2020-21	Audited Financial Statements along with CA Certificate.
3.	Technical Capability/ Experience	The Agency shall have successfully completed similar assignments.	Related work orders with Completion/ Performance fulfilment certificate from client/ payment advice as evidence of such assignments.

4.	Black listing / Terminations	Should not have been black listed by any Central, State Government department, Corporation, or Board/PSU / Semi-Government organization as on the date of tender.	A signed and duly stamped undertaking to this effect should be submitted on bidder's letter head.
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**BHOPAL SAHAKARI DUGDHA SANGH MARYADIT, HABIBGANJ,  
BHOPAL 462024**



**Form – A  
(To be uploaded -mandatory)**

**To,**  
Chief Executive Officer  
BSDSM, Bhopal

Date :

Dear Sir,

I/We hereby furnish below some particulars about our company/unit which will form a part of our offer submission:

1. Name of the Co./Unit : \_\_\_\_\_
2. Address of the Co./Unit : \_\_\_\_\_  
\_\_\_\_\_
3. Telephone Nos.(with STD Code) : \_\_\_\_\_  
Mobile No. : \_\_\_\_\_  
Email ID : \_\_\_\_\_
4. Name of the CEO/Proprietor/ : \_\_\_\_\_  
Partner
5. Name and designation of other : \_\_\_\_\_  
Authorized signatory of the Co./Unit
6. Particulars of Regn. Certificate : \_\_\_\_\_  
Issued by the competent authority  
(Regn No. & Date)
7. We are manufacturer/distributor/dealer/supplier of .....Co.(with proof)
8. GST NO. \_\_\_\_\_dated-----
9. PAN Number (Permanent Account Number- Income Tax) :
10. Have your Co./Unit or its sister concern ever been black listed/ debarred by BSDSM or its sister Milk Unions or GOI /GOMP & its undertaking ? YES / NO
11. For all disputes, the venue for legal course shall be at Bhopal.

**Seal & Signature of the  
Authorized Signatory of the Co./Unit**

**SCHEDULE – IV**

**BHOPAL SAHAKARI DUGDHA SANGH MARYADIT HABIBGANJ,  
BHOPAL 462024**



**Form – B**

**(PRICE BID) ONLINE ONLY**

<b>NIT Ref. No.</b>	
<b>NAME OF TENDERER:</b>	

S. No	DESCRIPTION	Rate F.O.R Destination inclusive of all freight/levies, installation & Commissioning GST extra (GST should be mentioned separately)
1	<b>Supply, installation &amp; commissioning, testing, passing, civil work for new BOILER Capacity 600 Kg Per Hour As per scope of work</b>	

**Note: Purely indicative for e-tender as the rates are required to be filled online in the prescribed BOQ in excel format.**

**Seal & Signature of the  
Authorized Signatory of the Co./Unit**