

NO:BCSM:ACCT: 631

DATE: 30.11.2018

TENDER NOTICE

The Bargarh Co-operative Sugar Mills Limited, At/Po – Tora, Dist-Bargarh of Odisha State intended for Repair, Replacement and Maintenance of its 1250 TCD Plant for its 2018-19 Crushing Season. For details please visit www.bargarh.nic.in under "Tender". Intending suppliers / manufacturers having reputation and experience in supply, erection and commissioning in Sugar Industries anywhere in India are requested to submit their tender in a Sealed Cover Super-scribing on the top of the cover "TENDER FOR REPAIR, REPLACEMENT AND MAINTENANCE WORK" containing two separate sealed covers superscribing Technical Bid & Financial Bid which should reach the undersigned on or before Dt. 17.12.2018 by 2:00 P.M. through Regd. Post / Speed Post/ Courier. The proposed cost of the above work is fixed at Rs.350 lakh. The tender documents for Technical Bid will be opened on dt. 17.12.2018 at 3:00 P.M and Financial Bid will be opened on the same day at 4:00 P.M in presence of the Tenderers or their authorized representatives in the Office Chamber of Managing Director, the Bargarh Cooperative Sugar Mills Limited, Tora, Bargarh. The authority reserves the right to reject any / all proposals without assigning any reason thereof.


30/11/18
MANAGING DIRECTOR
THE BARGARH CO-OP SUGAR MILLS LTD.,

TENDER DOCUMENT

For REPAIR, REPLACEMENT AND MAINTENANCE WORK of 1250 TCD PLANT FOR 2018-19 CRUSHING SEASON AS PER TENDER DOCUMENT to the office of the Bargarh Co-Op Sugar Mills Ltd., Tora, Bargarh.

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SCOPE OF WORK AND GENERAL INSTRUCTIONS FOR BIDDERS.

- 1- Tender document in prescribed form may be downloaded from the website www.bargarh.nic.in. Cost of tender document is Rs.5000/- (Rupees five thousand) which is non-refundable. The cost of tender document shall be deposited alongwith tender document in shape of Bank Demand Draft in favour of **the Bargarh Cooperative Sugar Mills Ltd.**, payable at Bargarh failing which the document shall not be accepted and considered for Scrutiny/Tender Bid.
- 2- The interested Tenderers may submit the tender document complete in all respects alongwith Earnest Money Deposit (EMD) of Rs.5,00,000.00 (Rupees Five Lakhs) (Without interest) in favour of the Bargarh Cooperative Sugar Mills Ltd., payable at Bargarh and other requisite documents by Speed Post/Registered Post/Courier by 2:00 P.M. of 17.12.2018 in the office of the Bargarh Cooperative Sugar Mills Ltd., Bargarh.
- 3- The various crucial dates relating to Tender for **“REPAIR, REPLACEMENT & MAINTENANCE WORK OF 1250 TCD PLANT FOR 2018-19 CRUSHING SEASON AS PER TENDER DOCUMENT”** to the Bargarh Cooperative Sugar Mills Ltd., Tora, Bargarh are cited as under :
 - a) Date Line for submission of Tender Documents :2:00 PM of 17.12.2018
 - b) Date & Time for opening of
 - i) Technical bids : 3:00 PM of dt.17.12.2018
 - ii) Financial bids of Eligible bidders : 4:00 PM of dt.17.12.2018
- 4- The proposed cost of the above work is fixed at Rs.350 lakh.
- 5- The tender has been invited under two bid system i.e. Technical Bid and Financial Bid. The interested tenderers are advised to submit two separate sealed envelopes super-scribing **“REPAIR, REPLACEMENT & MAINTENANCE OF 1250 TCD PLANT FOR 2018-19 CRUSHING SEASON AS PER TENDER DOCUMENT”** to the Bargarh Co-operative Sugar Mills Limited, Tora, Bargarh. Both sealed envelopes should be kept in a third sealed envelope super-scribing **“TENDER FOR REPAIR, REPLACEMENT & MAINTENANCE OF 1250 TCD PLANT FOR 2018-19 CRUSHING SEASON AS PER TENDER DOCUMENT”** to the Bargarh Cooperative Sugar Mills Ltd., Tora, Bargarh.
- 6- The Earnest Money Deposit (EMD) of Rs.5,00,000.00 (Rupees Five lakhs) (Without interest) should be necessarily accompanied with the Technical Bid of the Tenderer in the form of Demand Draft/ Pay Order drawn in favour of the Bargarh Cooperative Sugar Mills Ltd., payable at Bargarh failing which the tender shall be rejected summarily.

- 7- The successful tenderer will have to deposit a Performance Security Deposit of 5% of the order value in the form of Bank Gurantee from any Nationalised Bank drawn in favour of the Bargarh Cooperative Sugar Mills Limited, Tora, Bargarh covering the period of one year or one crushing season. In case, the contract is further extended beyond the initial period, the Bank Gurantee will have to be accordingly renewed by the successful tenderer. The Performance Security Deposit will be refundable without interest.
- 8- The successful tenderer if requires any mobilisation advance for commencement of the work, the same will be sanctioned against submission of Bank Gurantee.
- 9- Intending parties / Tenderers are requested to enclose self-attested photocopies of the following documents along with the Technical Bid, failing which their Financial Bids shall not be opened and their bids shall be summarily/outrightly rejected.
 - (A) Registration/Incorporation certificate of the applicant's organization.
 - (B) Copy of PAN/TAN/GIR card
 - (C) Copy of the IT return filed for the last three assessment years 15-16,16-17,17-18
 - (D) Copies of EPF and ESI certificates (up-to-date)
 - (E) Copy of the GST registration certificate (up-to-date)
 - (F) Certified extracts of the Bank Account containing transactions during last three years.
 - (G) Labour License issued by competent authority (up-to-date)
- 10-The conditional bids shall not be considered and will be out rightly rejected in very first instance.
- 11-All entries in the tender form should be legible and filled in clearly. If the space for furnishing information is insufficient a separate sheet duly signed by the authorized signatory may be attached. No overwriting or cutting is permitted in the Financial Bid Form. In such cases, the tender shall be summarily rejected. However, the cuttings, if any, in the Technical Bid Application must be initialed by the person authorized to sign the tender bids.
- 12-The Technical bids shall be opened on the scheduled date and time at 3:00 PM on dt.17.12.2018 in the office chamber of Managing Director, BCSM Ltd. Tora, Bargarh in the presence of the Tenderers/authorized representatives, if any, who wish to be present on the spot at that time.
- 13-The Financial Bid of only those tenderers will be opened whose Technical bids are found in order. The Financial bids shall be opened at 4:00 P.M. on dt.17.12.2018 in the office chamber of Managing Director, BCSM Ltd., Tora, Bargarh in the presence of the Tenderers/authorized representatives if any, who wish to be present on the spot at that time.
- 14-The Competent Authority of the BCSM Ltd., Tora, Bargarh reserves the right to cancel any or all bids without assigning any reason thereof.



APPLICATION –TECHNICAL BID

1. Name of the Party/ Tenderer.

2. Details of Earnest Money Deposit:

DD No.: _____ Date. _____ of Rs. _____
Drawn on Bank _____

3. Details of cost of Tender Document Deposited:

DD No.: _____ Date. _____ of Rs. _____
Drawn on Bank _____

4. Name of the Proprietor/ Partner / Director:

(Registration No. Date of the Firm
(Including Name of the Act. Under which registered)

5. Full Address if Registered Office:

Telephone No : _____

Fax No. : _____

Email Address : _____

Web –Site Address, if any _____

6. Full Address if Field Office:

Telephone No : _____

Fax No. : _____

Email Address : _____

Web –Site Address, if any _____

7. Name and Telephone No of

Authorized officer / person to liaise with field office

8. Bankers of the party / Tenderer:

(Attach certificate copy of statement of A/C)

(For the last three years)

9. PAN / GIR No. _____
(Attach attested copy)

10. GST Registration No. _____
(Attach Attested copy)

11. E.P.F. Registration No. _____
(Attach Attested copy)

12. E.S.I. Registration No. _____
(Attach Attested copy)

13. Financial turnover of the party/ Tenderer for the last 3 financial years.

Financial Year	Amount(Rs in Lakh)	Remarks, if any
2015-16		
2016-17		
2017-18		

14. Labour Licence.

15. Experience Certificate, if any.

16. Additional information if any : _____
(Attach separate sheet if space provided is insufficient).



APPLICATION – FINANCIAL BID

Sl.No.	PARTICULAR	VALUE
A	CONTINUOUS BURNER (1 no) Design manufacturing and supply having capacity 70KG per Hour with waste heat recovery System (VAPCON)	
B	CONTINUOUS CENTRIFUGAL MACHINE With moter and control pannel and all accessories for curing B-Massecuite, Make - NHEC, Type-NK1100, Speed 2000 RPM, Motor Power - 55KW(*Delta)	
C	EVAPORATER CALANDREA WITH SS TUBES Heating Surface 380 sq. mtr. , no of tubes 1460, tube length - 1.88 mtrs., Tube ID 42MM, Tube OD - 45MM, shell thickness - 20MM, Top tube plate - 32MM, Bottom tube plate - 32 MM, Shell & Tube Plate - Mild Steel, Tubes – SS	
D	BOILER SUPER HEATER COILS (2 SETS) Alloy Steel, Seamless Tubes, Tube OD 2 ¾ inch	
E	AIR POLLUATION MONITORING DEVICE (As per CPCB norms)	
I	CANE HANDLING & MILLING SECTION Maintenance/Repair/Replacement	
J	BOILING HOUSE SECTION Maintenance/Repair/Replacement	
K	BOILER SECTION Maintenance/Repair/Replacement	
L	ETP AND SPARY POND SECTION Maintenance/Repair/Replacement	
M	ELECTRICAL SECTION Maintenance/Repair/Replacement	
N	PUMPS, AND GEAR BOX SECTION Maintenance/Repair/Replacement	
O	LAB EQUIPMENTS Maintenance/Repair/Replacement	
	TOAL VALUE FOR FINANCIAL BID	
	SERVICES / ERECTION / COMMISSIONING CHARGES FOR FINANCIAL BID	
	TRANSPORTATION TO SITE	
	TAXES AND DUTIES	
	GRAND TOTAL VALUE	



TERMS & CONDITIONS

The detailed terms & condition of the supply are given below and attached separately, supply, repair and maintenance, erection & commissioning of the units is on Turnkey basis.

- 1- The rate should be quoted for supply of the equipment including freight. Packing and forwarding charges, GST etc. Repair & Maintenance, Erection & Commissioning charges and Insurance F.O.R BCSM Ltd at Tora, Bargarh.
- 2- Details specification of machinery & drawings along with load details of the machineries should be furnished.
- 3- The Tenderers should furnish their Company profile, Client List with their performance certificates, previous order in hand.
- 4- The tenderer should furnish their work experience of any sugar industry on turn key basis.
- 5- Income Tax Return for the Assessment Year 2015-16, 2016-17 & 2017-18 shall also be enclosed.
- 6- The sealed Technical Bids will be opened on dt.17.12.2018 at 3:00 P.M. in presence of the tenderers or their authorized representative. The technical bid shall be scrutinized and if it is found satisfactory, the financial bid of the same party shall be opened for finalization on dt.17.12.2018 at 4:00 P.M.
- 7- The undersigned reserves the right to accept/ reject any of the tenders at any stage without assigning any reason thereof.


30/11/18
Managing Director

1- SCOPE OF SUPPLY

Successful bidder has to execute the RENOVATION & MAINTRENANCE of plant on turnkey basis which includes Repair & Maintenance, supply, Erection & Commissioning of the equipments as mentioned in the Job Detail List. The Bargarh Co-operative Sugar Mills Ltd., shall only provide electricity, water supply free of cost and free accommodation cost for the engineers and staff. Utilities as specified by bidders shall be finalized during work finalization meeting.

2- ERECTION AND COMMISSIONING

- (i) Successful bidder shall be responsible for complete overhauling, erection, commissioning and handing over the Plant in due time as shall be indicated in the contract.
- (ii) Successful bidder shall take full responsibilities for unloading of equipment/parts at BCSM Ltd., site, opening the packages for inspection, storing of the equipment and leading the materials to the actual location for assembly and erection.



- (iii) Successful bidder shall assemble and erect all machinery and equipment in accordance with the drawings prepared by him and approved by the BCSM Ltd. and shall generally conform to acceptable engineering standards.
- (iv) Successful bidder shall carry out any and all other works that, may be necessary for proper commissioning of the equipment.
- (v) Successful bidder shall provide skilled, semi-skilled personnel including certified welders and unskilled labour for the entire work and supervise the overhauling, repairing and erection of the equipments.
- (vi) Successful bidder shall bring all the necessary tools and tackles required for the maintenance and erection work and instruments/apparatus required for testing. These tools and tackles, which the successful suppliers shall bring will remain his property, but can be removed from site only upon completion of work.
- (vii) Successful bidder shall arrange for all consumables, stores including temporary structural, gas, electrodes and welding rods for maintenance and erection purposes.
- (viii) Successful bidder shall provide a dedicated team of erection and commissioning engineers, who will co-ordinate the replacement, repair and maintenance, erection and commissioning of the equipment and also the bidder shall take all the responsibilities for successful operation of the plant for 15,000 M.T. cane crushing.
- (ix) The BCSM Limited will provide electric power required for erection, testing, start-up and commissioning of the equipment free of cost.

3- RESPONSIBILITY OF M/s. BCSM LTD.

- i) To provide workshop facility available, construction power and construction water free of cost at one point.
- ii) The BCSM Ltd., shall provide lodging facility to the erector Engineer and staff during execution of the work. Fooding shall be bourne by the party on their cost.

4- RESPONSIBILITY OF BIDDER

Bidder is solely responsible to study the existing conditions of the equipments available and make assessment of the requirements for Repair, Replacement and Maintenance, erection and commissioning of the equipments. It is Bidder's responsibility to visit the site before quoting for the tender. No claims on lack of knowledge will be entertained on this account at any point of time after submission of bid. The tenderer shall complete all the works along with testing, erection & commissioning of the machineries and make the plant ready for crushing operation within 1 ½ months(45 days) from the date of awarding the contract. Failing which the Order shall be cancelled and EMD, PSD & Bank gurantee shall be seized.



5- WARRANTY .

Successful Supplier shall provide a warranty covering the rectification of any and all defects in the design of the equipment, materials and workmanship of all items provided under this contract for a period of 18 months from the date of delivery or twelve (12) months after commissioning of Equipment, whichever is earlier.

6- INSPECTION AND TESTING.

General

The successful bidder shall conduct all test and inspection required for maintenance/ replacement of the equipment and submit details of the list of spare parts, material required for the carrying out the work, after duly approved by the BCSM Ltd., the bidders shall procure the material. The derails Bill and vouchers should be submitted for record.

Material of Construction

All material of construction shall be of standard tested quality, material shall be tested as per the relevant standards and test certificate issued by the competent authorities shall be made available to the BCSM Ltd.. Material of construction of the Equipment supplied shall be as given hereunder.

For Pipes and Fittings.

All internal pipes and header pipes shall confirm to IS:1239 part:1 up-to 150 mm NB and IS:3589 class 3 above 150 mm NB.

For Flanges

Flanges up to 20 mm thick shall confirm to IS:6392 and above 20 mm thick shall confirm to IS:2062.

At stage inspections to be witnessed by the BCSM Ltd.. All materials test certificates shall be correlated and verified with the actual material used for construction by the BCSM representative(s), before starting fabrication. In case mill test certificate for the material are available, successful supplier shall carry out physical and chemical tests at his own cost from a testing agency, approved by the BCSM, with the samples for testing being drawn up in presence of BCSM representative(s).



JOB DETAILS

A. CANE HANDLING & MILLING SECTION

SL.NO	PARTICULARS
1	Repair and Maintenance of cane weighing bridge.
2	Cane Unloader Renovation. * All long trolley wheels of both the cane unloaders are to be replaced and rails are to be repaired. * Long trolley bridges of both unloaders are to be realligned. * Short trolley wheels, rails, gear boxes and drive units are to be overhauled / repaired.
3	Cane carrier overhauling work. * Top runner flats and bottom runner angles are to be replaced where ever necessary. * Driving motor and gear box are to be overhauled.
4	Belt conveyer, Idlers and Drive units (after fibrizor) overhauling work
5	Maintenance /repair of Cane Kicker.
6	Maintenance /repair of Cane Leveller. * Leveller hubs are to be checked and replaced in case of any cracks. Knives are to be fitted after repairing. Dynamic balancing to be done.
7	Maintenance /repair of Fibrizor hammers. * Dynamic balancing to be done.
8	Mill setting work and repair/Maintenance work. * Open gear pinions and white metal bearings are to be checked and repaired. * Mill hydraulic systems are to be set right. * Mill fitting and setting are to be done.
9	Maintenance /repair of mill turbine (2 nos.), Power Turbine (1 no.) and Turbo feed Pump(1 no.) along with all accessories.
10	Replacement / Repair of Piping for Milling section (where ever required after checking of thickness).

B	BOILING HOUSE SECTION
1	Maintenance /repair of Juice weighing scale
2	Maintenance /repair of Juice Heaters -6Nos
	* Tubes of juice heaters and dynamic juice heater are to be checked. Exhaust and vapour valves are to be overhauled / repaired. Hydraulic test to be done.
3	Maintenance /repair of Juice sulphitor and syrup sulphitor
	* Drive unit of juice sulphitor to be overhauled / repaired. Baffels and bodies of both sulphitors are to be repaired.
4	Maintenance/Repair of Juice clarifier -1no
	* Bottom plate to be replaced, bottom cone to be repaired. Coils of two compartments are to be replaced. Drive unit, stirrers and accessories are to be overhauled / repaired.
5	One New supply of continuous sulphur burner along with all accessories
6	Maintenance /repair of Sulphur burner -2nos
	* Repairing of scrubbers, water jackets and maintenance of related accessories to be done.
7	Maintenance /repair of Vaccum filter.
	* Juice tray and agitator are to be repaired. Drive unit with gear box, oil pump and related valves are to be overhauled / repaired. Junction boxes and spider tubes are to be checked. Vacuum trail to be taken.
8	Maintenance /repair of Milk of lime station
	* Drive units, gear boxes and stirreers are to be overhauled / repaired.
9	Replacement/Repair of 4th body Calendria for evaporator
10	Maintenance /repair of Evaporator body and also exhaust valves. Downtake pipes (3 nos. U - Bends) are to be replaced. Hydraulic tests, water trial & vaccum trials are to be done.
11	Maintenance /repair of Vacuum pan - 4nos.
	* Overhauling and repair of exhaust valves, vapour valves, discharge valves, cut over valves, other related valves and accessories to be done.
	* Repairing / maintenance of all syrup and molasses storage tanks are to be done. Overhauling / maintenance of molasses conditioner to be done.
	* Overhauling / maintenance of all condensers are to be done.
	* Tubes to be checked and hydraulic test to be done.



12	Maintenance /repair of Vacuum ctystallizer 2nos
	* Overhauling / maintenance of drive units with gear boxes are to be done. Both side G. M. Bushes of central shafts to be replaced.
13	Maintenance /repair of air cooled and water cooled crystalizers and hydraulic test to be done.
14	Maintenance /repair of seed crystallizer (1no) with drive unit and gear box.
15	Maintenance /repair of centrifugal machines
	* All bearings are to be check and replace if required.
	* Hot water lines and air lines with valves are to be check and replace if required.
	* Dynamic balancing of all A, B & C machine are to be done.
	One new supply of B - contineous machine with installation.
16	Maintenance /repair of sugar hopper and cold air blower.
	* Replacement of central connecting wooden shaft for both hoppers. Hopper trays are to be checked & repaired.
17	Maintenance /repair of sugar Elevator and sugar grader with drive units and other accessories.
18	Replacemet /Repair of Piping for boiling house section (wherever required after checking of thickness)
19	Replacemet /Repair of injection pump Piping header and interconnecting piping (wherever required after check of thickness)
c	BOILER SECTION
1	Maintenance /repair of Boiler furnace and ducts of 1st and 2nd boilers to be done.
2	Maintenance / Replacemet of super heater coils for 1st and 2nd boiler.
3	Replacemet /Repair of feed water tank (after checking of thickness)
4	Maintenance /repair of Boiler feed water pumps for 1st and 2nd boiler
5	Maintenance /repair of Boiler ID,FD fans for 1st and 2nd boiler
6	Maintenance /repair of wet scrubber
7	Maintenance /repair of steam drum internals parts



8	Replacemet /Repair of Piping for Boiler section (wherever required after checking of thickness)
9	Maintenance /repair of PRDS Station
10	Repair / Maintenance of all Boiler Mountings & accessories
D ETP AND SPRAY POND SECTION	
1	New spray nozzles to be replaced (after checking of all nozzles required quantity to be change)
2	Suction and delivery pipes, clusters are to be repaired / replaced.
3	Maintenance /repair of clarifier stirrer, gear boxes with drive units of ETP to be done.
E ELECTRICAL SECTION	
1	Maintenance /repair of DB Panels of milling section
2	Maintenance /repair of DB Panels of boiling house, clarification House, Sugar House & Centrifugal Station
3	Maintenance /repair of DB Panels and control panels of boiler section
4	Maintenance /repair of DB Panels of ETP and spray pond section & injection pumps.
5	Maintenance /repair of alternator and main panels, and Grid Panel
6	Maintenance /repair of all electrical motors, starters & switch gears.
F PUMPS, AND GEAR BOX SECTION	
1	Maintenance/repair of all pumps, motors and gearboxes of milling section.
2	Maintenance /repair of all pumps, motors and gearboxes of boiling house section.
3	Maintenance /repair of all pumps, motors and gearboxes of boiler section.
4	Maintenance /repair of all pumps, motors and gearboxes of ETP and spary pond section.
G AIR POLLUTION AND LAB EQUIPMENTS	
1	Air Pollution Equipments -1set (Supply, Erection & commissioning) as per CPCB norms
2	Lab Equipments -1set Maintenance/Repair /Replacement

a