



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
मैसूरु / MYSURU-570 020, भारत / INDIA

(Constituent Laboratory of CSIR, New Delhi (Ministry of Science & Technology)
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL Accredited Laboratory

सं. /No. CFTRI /74197/2020

दिनांक / Date: 30th June 2020

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74197/2020	Ragi Processing Machineries – 1No.

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation & commissioning and satisfactory demonstration of Ragi Processing Machineries – 1No.
2. **Pre Bid conference is scheduled on 08.07.2020 in Person/Video Conference at 11.30a.m at CSIR-CFTRI, Mysore (Refer Sl. No. 5 of instruction to bidders)**
3. Last date for submission of Tender is 2.00 P.M. (IST) on 28 /July/ 2020 on line in etenders.gov.in.
4. Bid Security(EMD) Rs. 1,10,000.00
5. Technical Bid Opening on line in etender portal at 2.30 P.M(IST) on 29/July/2020

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

Section Officer (Stores & Purchase)

Ph: +91- 821-2515440/2515447

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CRITICAL DATE SHEET

CRITICAL DATE SHEET:

Tender Ref/No. CFTRI/74197/2020

Sl.No.	Stage	Date & Time
1	Publish Date & Time	30/06/2020 @ 1.00p.m.
2	Document Download Start Date & Time	30/06/2020 @ 1.00p.m.
3	Pre Bid Conference	08/07/2020 @ 11.30a.m
3	Bid submission Start Date & Time	14/07/2020 @ 10.00a.m.
4	Bid submission End Date & Time	28/07/2020 @ 2.00p.m.
5	Bid Opening Date & Time	29/07/2020 @ 2.30p.m.

TENTATIVE TIME SCHEDULE OF PROCUREMENT PLANNING:

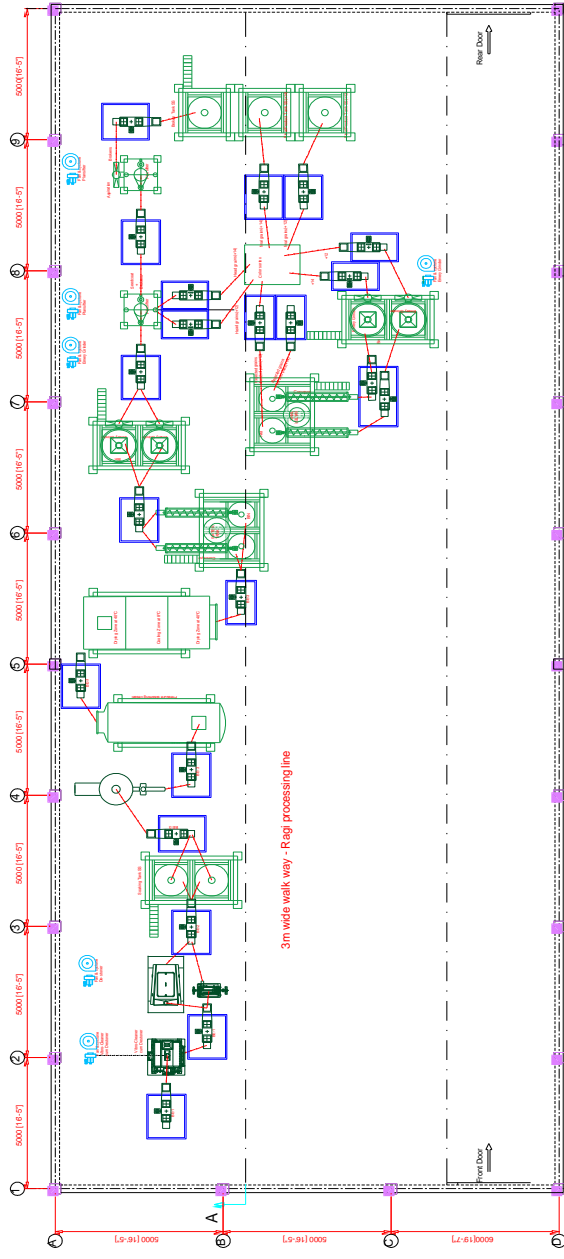
Sl.No.	Stage Tentative Frame Time	Date & Time
1	Date of Bid opening	29/07/2020
2	Date of Completion of Techno-Commercial Bid evaluation	29/07/2020+ 15 Days
3	Date of Communication of Rejection of Bids	29/07/2020+ 25 Days
4	Date of Receipt of Contest, if any, from Bidders	29/07/2020+ 35 Days
5	Notification of Award	29/07/2020+ 50 Days

TECHNICAL SPECIFICATION IN DETAIL

RAGI PROCESSING MACHINERIES/ EQUIPMENT LIST WITH SPECIFICATIONS

S. No.	Item	Quantity
1	<p>SS Soaking tank with MS structure</p> <p>Soaking tanks 3 to 4 mm body thickness in S.S.304 Construction without cover fitted with suitable fittings and accessories. Strainer Pipe & Discharge Valve in S.S. with holding capacity of 750kg</p> <p>M.S. STRUCTURE: 1 lot</p> <p>The common supporting structure for the above-mentioned soaking/steaming tanks in M.S. construction including Stair Case, ladder, Walkways, Railings and Grating Platform.</p> <p>HDPE storing tank with holding capacity 2000ltrs and supporting structure connect to the pump for filling and recirculating of water in soaking tanks</p>	2 set.
2	<p>Grain Steaming/ Industrial cooker</p> <p>Ragi is fed in the vertical cooker (constructed in S.S.304/316) with cover fitted along with suitable fittings and accessories. Strainer Pipe & Discharge Valve in S.S. withholding capacity of 1ton</p> <p>The unit should be fitted with temperature, moisture & pressure control system with sensors, appropriate capacity continuous rated TEFC squirrel cage induction motor and starter of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity - 1ton</p>	1
3	<p>Cooling system</p> <p>PreFab pipe Jacketed vessel for cooling steamed Ragi</p> <p>Ragi is fed in the vertical Jacketed vessel (constructed in S.S.304/316) fitted with suitable recirculating system for cooling water or refrigerant, fittings and accessories. Strainer Pipe & Discharge Valve in S.S. withholding capacity of 1ton</p> <ul style="list-style-type: none"> • CIP (Cleaning in Place) options should be provided for good sanitation. • All the necessary systems like cooling system (water/refrigent) and temperature-controlled system should be provided for smooth and efficient functioning of Jacket vessel. <p>The unit should be fitted with suitable continuous rated TEFC induction electric motor and starter of reputed make to run on 415volts, 50Hz, 3 phase AC supply.</p>	1

4	<p>Moisture conditioning unit / Dozing system</p> <p>Conditioning unit in S.S.304 Construction with the cover fitted with spray system with a set of adjustable mist nozzles for uniform spraying of water and for uniform mixing of Ragi with water. Control/metering unit to adjust the water flow from water tank (to be supplied - with holding capacity of 500ltr water), Gap between conveyor housing and screw blade should be less than 0.5mm. Geared motor with VFD system to control the conveying/conditioning speed of conveyor, Length & screw Diameter of conveyor should capable of handling 500kg of Ragi for 30min of conditioning.</p> <p>The unit should be fitted with suitable continuous rated TEFC induction electric motor with gearbox and starter of reputed make to run on 415volts, 50Hz, 3 phase AC supply.</p>	4
5	<p>Bucket elevator</p> <p>In M.S. construction with food grade polymer Buckets, Pulley & Light Weight Polymer Belting, and geared box with motor.</p> <p>The unit should be fitted with appropriate capacity continuous rated TEFC induction motor and starter of reputed make to run on 415V, 50Hz, 3 phase AC supply.</p> <p>Capacity 1-2ton/h(each)</p> <p>Delivery pipe in S.S.</p>	As per layout requirement for smooth and continuous running of plant
6	<p>Storing tanks with MS structure</p> <p>Polished grain storage tanks 3 to 4 mm body thickness in S.S.304 Construction without cover fitted with suitable Discharge Valve with holding capacity 1ton</p> <p>M.S. STRUCTURE: 1 lot</p> <p>Supporting structure in M.S. construction including Stair Case, ladder, Walkways, Railings and Grating Platform.</p>	7
7	<p>Surge bin with MS structure</p> <p>Storing tanks 3 to 4 mm body thickness in SS 304/GI Construction without cover fitted with suitable Discharge Valve with required holding capacity 15 to 20min.</p> <p>M.S. STRUCTURE: 1 lot</p> <p>Supporting structure in M.S. construction including Stair Case, ladder, Walkways, Railings, and Grating Platform wherever required</p>	As per layout requirement for holding of Ragi at different stage during the continuous running of plant



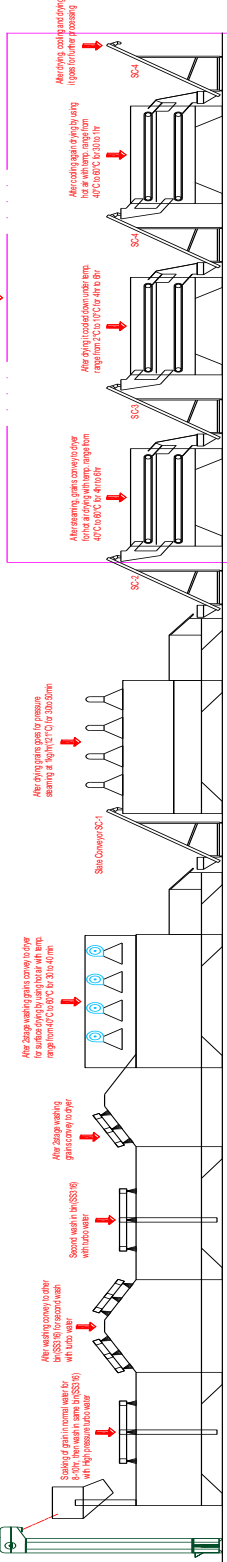
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DRN	10.03.2019	REV	1	DATE	10.03.2019
APPD	RESEARCH INSTITUTE, MYSURU - 570 002				
PROJECT NO.	CENTRAL FOOD TECHNOLOGICAL				
REVISION NO.	RESEARCH INSTITUTE, MYSURU - 570 002				
NO. OF SHEETS	1				
TITLE	RAGI PROCESSING PLANT				
BRAWING NUMBER					
SHEETING No.					
Rev. No.					

Break Sharp Edges



If possible make these three steps combine in one system only by using conveyor passing through different heating & cooling zone for set period of time and temperature, heated by boiler elevator



This whole Plant should be of 1ton holding capacity of grain(Dia 1mm) with bulk density of 830Kg/hr

The drawing is of all information on the priority of CSIR, CSRI, it is confined to use for internal purpose and not for publication.

photocopy should be taken in a separate form and submitted from the drawing with the consent of CSIR, Mysore.

DATE	TITLE
DRN	CENTRAL FOOD TECHNOLOGICAL
CSIR	RESEARCH INSTITUTE, MYSURU, INDIA
SCALE	
71 LITERATURE IN METERS	
PROCESSING PLANT	

Drawn by:

Checked by:

Rev. No:

0

INSTRUCTIONS TO BIDDERS

1. The Instructions, Terms & Conditions, General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Annexures and Formats hosted in our website www.cftri.res.in [Path: Home page → Tenders → Standard Tender Document (Scrolling Text)] constitute as an integral part of this tender.
2. Bidders should submit their Financial Bid in the format provided (Price Schedule Format/BOQ) and same has to be uploaded in the above etender.gov.in. It is mandatory for all the bidders to upload duly filled Price Schedule Format/BOQ towards submission of their Financial Bid. No changes or modification to the given format is acceptable. Bidders are required to go through the instructions carefully before filling the Price Schedule Format/BOQ.
3. Please note that CSIR-CFTRI, Mysore is registered with the Department of Scientific and Industrial Research (DSIR) for purpose of availing GST @5% concessional rate as per Central Tax(Rate)/Integrated Tax(Rate) in terms of Notification No. 45/2017-Central Tax (Rate)/No. 47/2017- Integrated (Rate) Dt. 14-11-2017. You are advised to quote accordingly.
4. Bid Security (EMD) is **Rs. 1,10,000.00 (Rupees one lakh ten thousand only)** for this tender either by DD/BG from Scheduled Commercial Banks or **Bid Security Declaration(BSD)** Form (Annexure-4).
5. **Pre-Bid Conference (PBC):**
Pre-Bid Conference is scheduled on **8th July 2020 at 11.30 a.m in the Office of the Stores & Purchase Department, CSIR-CFTRI, Mysore.** In the present prevailing condition of **COVID-19** Pandemic, PBC either will be held in **person or through Video Conference** (Link can be shared with bidders who wish to participate in PBC). Interested bidders must confirm participation in PBC by email in advance) or any other electronic communication mode.

It is preferably advised that all prospective bidders may submit their clarifications/questions/queries if any in writing by email to sosp@cftri.res.in & cosp@cftri.res.in by **6th July 2020** so that any issue can be addressed during PBC scheduled on 8th July 2020. The amendments/clarifications if any, to the Bidding Documents pursuant to the Pre-Bid Conference would be uploaded in etenders.gov.in and same will also be

hosted on the Website of CFTRI and all the Prospective Bidders are expected to take cognizance of the Proceedings of the Pre-Bid Conference before formulating and submitting their Bids.

6. **Performance Security:** The supplier shall furnish Performance Security of **10% of the contract value** valid for warranty period of one year + additional 2 months after the warranty for this tender.
7. **Integrity Pact** is not applicable for this tender.
8. **Warranty:** One year from the date of supply, installation & Commissioning, demonstration and acceptance by the Purchaser.
9. **Delivery Period:** Delivery should be effected within 10-12 weeks from the date of issue of Purchase Order.
10. **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:

Payment for Goods and Services supplied from India:

Payment for Goods and Services supplied from within India shall be made in Indian Rupees [INR] only as follows:

A. On Delivery, Installation & Commissioning, Demonstration and Acceptance:

a) 90 % (Ninety Percent) of the Contract Price shall be paid on Delivery of the Goods, Installation & Commissioning, Demonstration and Satisfactory Acceptance of Items & upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the Purchaser.

b) Balance 10% payment will be made to the supplier against submission of Performance Security i.e 10% of Contract value valid for warranty period + additional 2 months issued by Scheduled Commercial Bank.

or

B. Inland Letter of Credit: The inland L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. All bank charges shall be to the account of the beneficiary i.e. Supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the supplier, charges shall be to the account of the opener i.e. Purchaser. If L/C is requested to be extended/ reinstated for reasons not attributable to the Purchaser, the charges thereof would be to the Suppliers' account. The inland LC for

100% value of the contract shall be established. The payment shall be made in Indian Rupees, as follows:

(a) 90 % (Ninety Percent) of the Contract Price shall be paid on Delivery of the Goods, Installation & Commissioning, Demonstration and Satisfactory Acceptance of Items & upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the Purchaser

(b) Balance 10% payment will be made to the supplier against submission of Performance Security i.e 10% of Contract value valid for warranty period + additional 2 months issued by Commercial Scheduled Bank.

COVER DETAILS - DOCUMENTS TO BE UPLOADED:

Cover - 1: PreQual/Technical Bid (Techno-Commercial Details) for Procurement of Ragi Processing Machineries (Document Type .pdf)

1.(a) Catalogue / Brochure of the Model Quoted along with a detailed description of the essential technical and performance characteristics of the goods being offered, with an item by-item commentary on the indented technical specification and documentary evidence of conformity of the goods and services to the bidding documents demonstrating substantial responsiveness of the goods being offered.

(b) Two (2) latest Purchase Order Copies with price of reputed Govt. Research Institutes/Organisation or any other institutions for the supply & installation and satisfactory functioning of the similar/equivalent equipment to comply with minimum eligibility criteria.

(c) User list for the quoted model along with contact Numbers and email ID

(d) Warranty offered and delivery schedule.

2. Bidder Information Form (Annexure - 1)

3. Manufacturer's Authorization Form (Annexure - 2)

4. Bid Security Form (Annexure-3) / Bid Security Declaration Form (Annexure-4)

5. Performance Statement Form (Annexure - 5)

6. Deviation Statement Form (Annexure - 6)

7. Bidders must furnish a Compliance Statement of each and every required specification of our tender (Annexure-8)

8. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
9. Schedule of Requirements - (Refer Chapter 5 for Format)
10. Declaration abiding by the Code of Integrity and No Conflict of Interest for Public procurement (Annexure - 11)

Cover - 2: Price Schedule Format/BOQ (Document Type. xl) BOQ uploaded in etenders.gov.in

Please refer to our Standard Tender's Terms & Conditions uploaded in www.cftri.res.in under tender (Chapter-7) for above Format of Annexures. Any other supporting documents to avail preference/benefits as per Standard Tender Document must be uploaded with the Technical bid for technical qualification.