



Tender Document

For

**Design, Engineering, Manufacturing,
Supply and Labour Job for Installation,
Testing and Commissioning**

Of

**Conveying System at
THR Plant, Badarpura of
Banas Dairy,
Palanpur, Gujarat, India**

Tender Ref. No. BNS/PUR/THR/CONVEYOR/2021

Notice Inviting Tender Bid



BANASKANTHA DISTRICT CO-OP. MILK PRODUCERS' UNION LTD.,
BANAS DAIRY, PB NO: 20, PALANPUR: 385 001, Gujarat, India
Phone: (02742) 253881 to 253885

TENDER NOTICE

Sealed Tender Bids are invited for Design, Engineering, Manufacturer, Supply and Labour Job for Installation, Testing & Commissioning of Conveying System for THR Plant, at Badarpura of Banas Dairy, Palanpur Plant from experienced and eligible bidders.

Tender document containing detailed scope of work, specification of items, general terms and conditions and the eligibility criteria is available at our website: www.banasdairy.coop. Completed tender bid, in sealed envelope super-scribed with the label **"Tender for Conveying System THR Plant" by due date 06.12.2021**, can be submitted latest by **06.12.2021 up to 01.30 P.M.** All bids shall be opened on **03.00 P.M. on 06.12.2021**, in presence of all present bidders.

The I/c Managing Director reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Incharge Managing Director

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PREFACE

Banaskantha District Co-operative Milk Producers' Union Ltd., Palanpur (popularly known as Banas Dairy) is one of largest Milk Producers' Union in Asia and is engaged in business of processing of milk and manufacturing of Milk products through its state of the art Manufacturing Facilities at various locations across several states. Banas Dairy has its own THR Plant at Badarpura, Palanpur, Gujarat, India.

Banas Dairy invites tender bids for Design, engineering, manufacture, supply and Labour Job for installation, testing and commissioning of conveying system for THR Plant at Banas Oil Campus Badarpura, Banas dairy, Palanpur, Gujarat.

Important Points:

- For detailed understanding of our requirement, bidder may visit THR Plant, Badarpura, Banas Dairy, or may contact Purchase Department Banas Dairy Main Plant Palanpur.
- Bidders who have downloaded tender form from our website are required to notify our Purchase Department by e-mailing the notification as per format given in Annexure **“Notification of Tender Document Download”** to e-mail id tender@banasdairy.coop. This notification will inform Banas Dairy about your interest for quoting against this tender.

Important Dates:

Sr. No.	Events	Date
1	Document Download Start Date	10.11.2021
2	Document Download End Date	06.12.2021
3	Last Date for seeking clarification	22.11.2021
4	Pre - Bid Meeting (11.00AM) at Palanpur Main Office Palanpur	23.11.2021
5	Last Date For Submission of Bid (up to 1:30 PM)	06.12.2021
6	Opening of Bids (at 03:00 PM)	06.12.2021

Details pertaining to Site Visit:

Contact Person:

Shiv Kumar Sharma

Mob: 8698366546

Landline: 02742 – 280382 to 84 (Ext: 604)

Shri Pravin M Patel

Mob: 97273 15766

- **Address for Site Visit:**

Banas Oil Campus Deesa Highway,

Vil: Badarpura-Kushkal, PIN; 385510,

District: Banaskantha, Palanpur,

Gujarat.

Correspondence details for all other communications & Bid Submission:

Purchase Department,

Main Administration Building,

Banas Dairy, Post Box – 20,

Palanpur – 385001

Email: tender@banasdairy.coop,

Landline: 02742 – 253881 to 85 (Ext: 216 / 316)

Instructions for Submitting Tender Bid

1. Tender bid can be sent by post/ courier or submitted by hand at our office by time as specified in tender notice. Tenders received late will be rejected.
2. Bid can be submitted by hand or by post/ courier. For bids submitted by post or Courier, it is bidder's responsibility that bid reaches our office on or before the scheduled time and date.
3. Tender bid should be sent in duly sealed cover, super-scribed with "**Tender for Conveying System THR Plant Badarpura by due date: 06.12.2021**". All the pages of Tender document should be signed and enclosed with the tender bid, as a token of acceptance of all terms and conditions as mentioned in the tender document.
4. All bids shall be opened in the presence of intending parties/ their authorized representative who will be present at the time of bid opening.
5. In case tender opening date is declared a Holiday, bids shall be opened on next working day at the same time specified above.
6. Any certificate/ document not found enclosed with the tender document as required for fulfilling the eligibility criteria of bid may lead to declaring the party as non-eligible and in this event their bid may not be considered and may be out rightly rejected. Bidder has to complete all the Annexure and submit along with this Tender Document signed.
7. Tender form shall be filled up legibly preferably typed giving full name and address of the tenderer, over writing, alterations/additions etc. will disqualify the tender unless such overwriting, alterations/ additions are attested and signed by bidder. Conditional/ telegraphic/ fax/ E-mail tenders shall be rejected.
8. The bidder shall have to enclose following documents along with Tender bid:
 - a. List of all the purchase orders duly indicating the name of client, his address, type & quantity of material and the date of Supply & Installation/ execution during the last 36 months along with at least one performance certificate (or frequent order execution with same supplier) along with copy of the purchase orders executed in the last one year in same firm name and style.

- b. Any document (such as excise/ sales tax document) issued by Govt. or Semi Govt. Department which certifies/proves that the bidder is in business for the required period should be attached along with the Tender Bid.
- c. The bidder shall be registered with the office of competent authority or under statutory bodies at the time of bid opening in the same name and style. In order to support this bidder shall submit any of the following documents:

A copy of the Registration Certificate issued by the Registrar of Companies in case of firms of proprietary nature

OR

Copy of partnership deed in case of partnership firm

OR

Copy of article of association in case of Pvt. Ltd. Companies

OR

Copy of registration certificate for firms registered with NSIC/Central or State Govt. Department/ Local bodies for similar work

OR

Bidder shall enclose/mention the PAN and TAN number of the firm and to support this, he/she shall submit a photocopy of PAN/TAN certificate

OR

Bidder's firm shall be registered with Sales Tax Department. VAT/CST/GST numbers shall be mentioned by the bidder and in support of this; he/she shall submit a photocopy of Sales Tax registration certificate duly renewed by the competent authority

- 9. Submitted documents shall be numbered and attached serially indicating serial number. Total number of pages enclosed shall be shown in the index.
- 10. ISO certified company may be preferred to others. A copy of valid license/ certificate should be attached with Tender Document.

11. Tender shall be accompanied with Tender Fees (Non-refundable) of amount Rs. **5000/-** and EMD (Earnest Money Deposit) of Rs. **2,00,000/-** should be made through **NEFT/RTGS Payment in Banas Dairy Bank Accounts. Bank Detail as per below.**

To transfer EMD through RTGS /NEFT only in our Bank account HDFC Bank Ltd. Bank Details are as under:

Beneficiary: Banaskantha Dist. Co-op. Milk Producers Ltd.

Bank Name: HDFC Bank Ltd.

IFSC Code: HDFC0000335 Account No. 03350310000046 Branch: Palanpur.

You are requested to write your company name & Tender Ref No. in RTGS form in reference field.

12. EMD of successful bidders shall be retained as security deposits without any interest till supplies are complete against the Supply Orders issued under this Contract. (i.e. Contract Period Completion)
13. If successful bidder/bidders fail to execute contract/purchase order/supply order, his EMD may be forfeited by Banas Dairy
14. Earnest money of unsuccessful bidder shall be returned after within 60 days from the finalizing of contracts, without any interest on it.
15. Validity of offers should be 120 days from the date of Bid Opening.
16. Rate shall be finalized based on the lowest offer strictly complying with specifications.
17. Parties who have been suppliers of our union or any milk union in the past also have to comply with all these conditions. No relaxation whatsoever shall be given to them.
18. Any offer received after due date or times shall be straightway rejected.
19. We reserve the right to accept or reject any quotation, to reject quotations for some or all items and to cancel the entire bidding process at any point of time without assigning any reason.
20. If any dispute or differences arises at any time between the two parties in respect of or concerning anything contained or arising out of contract shall be referred to sole arbitrator

(i.e. our In charge Managing Director). The decision of the arbitrator shall be final and binding on both the parties.

21. Canvassing in any form will lead to disqualification of the bid.

22. For all legal matters and disputes, Palanpur court shall be the Jurisdiction.

Seen and accepted
Signature of party with office stamp

Eligibility Criteria

The bidders must meet the following minimum qualification criteria:

1. The Bidder, in the same name and style, should be in business at least for last three financial years at the time of bid opening. In case of change of name of bidder by merger / acquisition / change in status, the bidder may be eligible based on the documentary evidence.
2. The Bidder should have valid registration under various Acts that may be applicable for the contract proposed. This shall include but not limited to Income Tax, Companies, GST, Employee State Insurance, Contract Labour, Provident Fund etc.
3. The Bidder's financial turnover in the same name and style during each of the last three financial years (i.e. 2018-19, 2019-20 and 2020-21) should not be less than Rs. 2 Crore.
4. The Bidder, in the same name and style shall have successfully supplied, installed and commissioned at least 03 such works in last 05 years of similar nature of work.

Similar nature of works means the Bidder, in the same name and style, should have successfully designed, supplied, installed and commissioned at least three fully automated material handling/conveying line of similar nature within country or abroad.

5. Even though the Bidder or its foreign collaborator meet the specified criteria, the bid may be disqualified in case the bidder has:
 - a) Made untrue or false declaration in the forms, statements and attachments submitted in proof of their qualifications.
 - b) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion or financial failure etc.
 - c) Found to be overbooked beyond the capacity to execute the work within the completion schedule.

The Purchase order and commissioning certificate shall be attached for the evaluation.

Note:

Bidder is required to submit documentary evidence of the same i.e. duly signed copies of Purchase Order and Satisfactory Performance Certificate.

- Mere fulfillment of above eligibility criteria will not automatically ensure bidder's qualification/ short-listing for the award of contract and our decision on this matter will be final & binding.

General Terms and conditions for Bid

1. Complete supply, erection & commissioning of conveyor system shall be finished within 03 Months from the date of Purchase Order / LOI.
2. Offers should be strictly according to our specification and scope of work, failing which it may not be considered. Item to be supplied has to be strictly as per Annexure for Scope of Work & Technical Specifications.
3. The officers of our Union shall be allowed to inspect the works and/ or any document referred to in the tender. If it is found that the declarations made by the bidder in Bid are false/ misleading/ faulty, the bidder shall be disqualified and the earnest money deposit submitted shall be forfeited.
4. Comprehensive Warranty/ guarantee (including repairs and replacement) for all items/ goods supplied shall be as detailed and mentioned in technical specifications and scope of work.

This Comprehensive warranty/guarantee shall remain valid till warranty period 12 Months after the Goods have been delivered at site, installed and the system successfully tested, commissioned and accepted by the Purchaser.

Any complaint during this warrantee/ guarantee shall be attended to within 24 hours by the bidder at no cost. Upon receipt of such notice or complain, the Supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser. If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

The bidder warrants that the goods and equipment, supplied, installed and commissioned under the Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The supplier further warrants that the goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except insofar as the design or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination.

The Supplier also guarantees that the Goods supplied shall perform satisfactorily as per the designed/ rated/ installed capacity as provided for in the Contract.

The Supplier shall guarantee the complete installation for satisfactory performance for a minimum period mentioned in technical specifications from the date of commissioning. Any

defect arising out of faulty installation or use of substandard material or workmanship shall be rectified by the Supplier at his own cost.

Please Note:

- Initial acceptance of goods is not the final acceptance of quality.
 - In case materials/ services are found to be substandard at any level, on receipt of the same Banas Dairy reserves the right to reject the material outrightly. Labor Charges, if any will also be recovered from the bidder. Banas Dairy reserves the right to send your material for testing at any laboratory of our choice and in case the result is found unsatisfactory, it also reserves the right to take any action as deemed fit.
 - Supplier's warrantee certification should be provided as per warrantee/ guarantee mentioned herewith along with operational & maintenance manual.
5. Inspection and Tests: The Purchaser or its representative shall have the right to inspect and/ or test the Goods to confirm their conformity to the Contract. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Good's final destination.
- Should any inspected or tested Goods fail to conform to the Specifications on received at site, the Purchaser shall reject them and the Supplier shall either replace the rejected Goods or make all alternations necessary to meet specification requirements free of cost to the Purchaser.
- The Purchaser's right to inspect, test, and where necessary, reject the Goods after the Goods arrival at the destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to Goods shipment.
6. Supplier will be responsible to organize pre-visit of the site before initiation of any supply and also will be required to submit detailed report regarding the readiness of site.
7. Storage of Equipment: The Supplier shall be responsible for the proper storage and maintenance of all materials/ equipment under Supplier's custody. Supplier shall take all required steps to carry out frequent inspection of equipment/ materials stored as well as erected equipment until the same are taken over by the Purchaser.
8. Testing and Commissioning: The Supplier shall operate, maintain and give satisfactory trial run of the equipment satisfactorily for a maximum period as mutually agreed by supplier/ purchaser/ owner of the equipment at the rated output. All rectification of damages/ defects and routine trouble shooting should be carried out by the Supplier. During this period, Supplier shall incorporate/ execute necessary minor modifications

during the trial period for maximizing operational efficiency. The Supplier should also execute minor modifications as may be suggested by the manufacturer/ Purchaser. The supplier shall suggest recommended log sheet Performa for recording necessary operating data and pass it on to the Purchaser in proof of satisfactory rated output and performance of the equipment.

The Supplier shall demonstrate proper working of all mechanical and electrical controls, safety and protective device, in presence of the Purchaser's engineer and the same should be duly recorded.

After conducting testing, in case particular equipment is not working properly or not giving rated output the Supplier will furnish a detailed report to the Purchaser stating therein the detailed account of the performance of the equipment with possible reasons for improper or not working of the same.

Further, before the commencement of testing or commissioning, the Purchaser reserves the right to invite the original manufacturer's representative at the cost of the Suppliers for start-up help, assist and guide the Supplier during commissioning in any of following cases:

- a. The Supplier has no previous experience of commissioning and start-up of the similar equipment
- b. The Purchaser is of the opinion that the Supplier is not capable to commission and start-up of certain specific equipment

However, in either of the cases the manufacturer's representatives would be called with prior information to the Supplier and the Supplier will have to extend all co-operations to such representatives in good spirit and in the interest of the work.

The necessary quantities of consumables, miscellaneous spares etc., required for the installation, commissioning, testing and start-up of all the equipment till handing over are to be supplied the Supplier and nothing extra would be paid for these.

9. Cleaning of Site: All soils, filth or other matters of offensive nature taken out of any trench, drain or other places shall not be deposited on the surfaces, but shall at once be carted away by the Supplier from the site of work for proper disposal.
The Supplier shall not store or place the equipment, materials or erection tools on the drive ways and passages and shall take care that his work in no way restricts or impedes traffic or passage of men and materials during erection, the Supplier shall without any additional payment, at all time keep the working and storage area used by him free from accumulation of dust or combustible materials, waste materials rubbish packing, wooden planks to avoid fire hazards and hindrance to other works.

If the Supplier fails to comply with these requirements in spite of written instructions from the Purchaser, the Purchaser will proceed to clear these areas and the expenses incurred by the Purchaser in this regard shall be payable by the Supplier. Before completion of the

work, the supplier shall remove or dispose off in a satisfactory manner all scaffolding, temporary structures, waste and debris and leave the premises in a condition satisfactory to the Purchaser. Any packing materials received with the equipment shall remain as the property of the Purchaser at the completion of his work and before final payment; the Supplier shall remove and shall restore the site to neat workman like conditions at his cost.

10. Risk Purchase: In case of delayed supplies/ erection/ commissioning, purchase/ execution of work may be completed at the risk, cost and responsibility of the supplier after expiry of scheduled date without any notice. Extra amount spent on Risk Purchase/ completion of work shall be adjusted against the earnest money/ pending payments or same shall be recovered from your firm.

We will reserve the right to effect risk purchase/ execution of the work in case of non-fulfillment of any of various terms and conditions of the contract by the supplier at his risk & cost.

11. Import license and foreign exchange variation: No import license shall be provided by the BANAS DAIRY for goods offered against this bid. Necessary clearances/ licenses from the concerned Authorities for any imported goods/items offered shall be obtained by the bidder at his cost & responsibility.

Non-availability of or delay in obtaining license/ clearance shall not, under any circumstances, entitle the bidder to seek any compensation/relaxation under the contract and/or relieve the bidder from any of his obligations under the contract. Foreign Exchange, Duties etc. variation, if any, shall also be to the account of the bidder and no price escalation will be given.

12. Maintaining ethical standards in business: It is highly necessary for the suppliers to ensure that business ethics are maintained at the highest degree with Our Union. In no case we will be able to tolerate any unethical practice by the supplier by way of offering either cash or in kind or compensation in any form either to get the rejected material accepted or to get higher volume of the business than the approved quantity.

By any chance if it comes to our notice that you or any of your employee/ representative/ Agent has tried to initiate such unfair business practices with any of our employee or any of the employee/ decision maker of our Union even with/ without any documentary evidences, the same shall be considered as a cancellation of Purchase order. and we reserve our right to terminate/suspend the Purchase order and the contract during any time without assigning any reason thereof.

13. Insurance: The goods supplied under the contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage & further installation at site and till successfully handed over to purchaser along with delivery in the manner specified in the special conditions of contract. If any loss or damage occurs

during supply of goods under contract, the supplier shall make arrangement for repair and replacement of any damaged, item/s in stipulated time.

14. Performance Security: Successful bidder shall be required to furnish a performance security in form of Bank Guarantee of 10 % Value of the executed order valid for entire warranty period from the date of commissioning. In case of failure in submission of appropriate bank guarantee, same amount will be retained from supplier's bill. Bank Guarantee should be from any Nationalized Bank having at least one branch at Palanpur.
15. For delay in Supply, Installation & Commissioning of goods, a late penalty @ 0.5% per week shall be deducted subject to a maximum of 5 % of the contract price. On further delays order shall be liable to be cancelled. However our I/c Managing Director can waive off such penalty depending upon the reasons for delay.
16. Delivery of Goods: Material shall be delivered at the destination as specified in the Purchase Order on any working days (except Sundays & holidays)
17. **Payment Terms:** 30 % advance against Bank Guarantee of same value, 60 % against material supply, installation, testing and commissioning and Balance 10 % after successfully installation and upon submission of Performance Bank Guarantee (PBG) of 10 % till warranty period.
18. Other Commercial Terms and Conditions:
 - a. Invoices will be raised in the name of Banaskantha District Cooperative Milk Producers' Union Ltd, Palanpur
 - b. Supplier will be required to submit two copies of invoices
 - c. All the taxes will be charged in Invoice
 - d. In case of any change in tax rate, the same shall be applicable as per statutory norms
19. Force Majeure: If any Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
20. Purchaser's Instructions: The Purchaser may in his absolute discretion, issue from time to time drawings and/ or instructions, directions and clarifications which are collectively referred to as Purchaser's instructions. These instructions will be binding on the supplier.
21. Training of Personnel: Necessary staff, as may be deputed by the Purchaser, shall be trained by the Supplier for operating the equipment. The personnel will be associated for the training during the installation, testing, commissioning and start-up period and the training tenure can be extended for a period of one week from the date of commissioning and start-

up.

22. Approvals: The Supplier shall obtain all the necessary legal approvals.
23. Jurisdiction: Settlement of any dispute out of the Supply Order/ contract against this bid shall be subject to the courts at Palanpur only.
24. Data on firm: Please send data on your firm and information in the enclosed Annexure. The tender bid received without above information or with incorrect information may not be considered.

Annexure-1: Notification

Interested Bidders who have downloaded tender form our website will be required to notify Purchase Department of Banas Dairy at e-mail id: tender@banasdairy.coop., Bidder has to check Banas Dairy website regularly for tender related any update..

Format of Notification

To,
Purchase Department,
Banas Dairy, Post Box- 20,
Palanpur-385001

Subject- Notification of Downloading of Tender Document for Conveying System for THR Plant Badarpura Banas Dairy

Dear Sir,

In reference to above cited subject, we..... *[Name and Address of Bidder]*....., have downloaded “Tender Document for Design, engineering, manufacture, supply and Labour Job for installation, testing and commissioning of conveying system for THR Plant at Banas Oil Campus Badarpura, Banas dairy, Palanpur, Gujarat” and are interested to quote for the same before the scheduled deadline. Our Contact Details as under:

Name of Bidder Firm:	
Name of Concerned Person:	
Business Address:	
E-mail Address:	
Contact No:	
Mob No:	

Annexure- 2: Tender Enquiry Data Sheet

The following specific data for this Tender Enquiry shall complement, supplement, or amend the provisions in the Invitation in Tender and Instructions to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the ITB.

Name of the Purchaser: Banaskantha District Co-operative Milk Producers' Union Ltd., Palanpur
Description of Goods: Design, engineering, manufacture, supply and Labour Job for installation, testing and commissioning of conveying system for THR Plant at Banas Oil Campus Badarpura, Banas dairy, Palanpur, Gujarat,
Purchaser's Address: PB NO: 20, Palanpur-385001, Banaskantha, Gujarat, India
Submission of Queries on T/E Document: Not later than– 22.11.2021 till 15:00 hours, to the following e-mail tender@banasdairy.coop , pravinmpatel@banasdairy.coop ,
Pre- Bid Meeting: On 23.11.2021, at 11.00 AM at Main Office at Palanpur (Gujarat)
Bid Validity: Validity of bid shall be no less than 120 days from the date of submission
Required number of copies of the Tender: Two (Original plus one photocopy) and clearly mention "AN ORIGINAL" on original & "COPY" on photocopy.
The address for Tender submission: Purchase Department, Banaskantha District Co-operative Milk Producers' Union Limited PB NO 20 , Palanpur : 385001, Dist : Banaskantha
Due date (Deadline) for Bid submission: 06.12.2021at 1.30 P.M.
Opening of Quotation: 06.12.2021at 03.00 P.M.

Annexure-3: Commercial Bid Format

Sr. No.	Description	(In figure)	(In word)
1	Total Amount in Rs. for Design, engineering, manufacture, supply and Labour Job for installation, testing and commissioning of conveying system for THR Plant at Banas Oil Campus Badarpura, Banas dairy, Palanpur, Gujarat (Inclusive of All, P&F, Insurance, Transportation, Loading – Unloading, GST, Etc.)		

Detailed Price Break Up is to be mandatorily be provided by Bidder in Annexure 2A

We agree to Design, Supply, install and demonstrate the performance of the above items as mentioned in the tender document of contract price quoted against each item within the period specified. We also confirm that all comprehensive warranty/ guarantee period applicable shall be as per mentioned in Technical Specification for all items.

The above mentioned bid price includes all those items also, which may not be mentioned in Tender Document but are essential for normal functioning of Machine.

Signature of Bidder:

Name of Bidder:

Business Address:

Contact Person Name:.....

Mobile No:.....

Email ID:.....

Place:

Date

Annexure 2 A: Price Break Up of Bid Price (Format)

SR. NO	DESCRIPTION	QTY	UNIT	BASIC UNIT RATE	FREIGHT CHARGES (INCL. INSURANCE)	OTHER CHARGES (If any)	GST TAXES	LANDED Price in Rs./Unit
PART –A – SUPPLY ITEM FOR CONVEYING SYSTEM AT BANAS OIL CAMPUS BADARPURA								
PART – B – LABOR, ERECTION, INSTALLATION, TESTING & COMMISSIONING FOR CONVEYING SYSTEM AT BANAS OIL CAMPUS BADARPURA								

Note:

- ✓ Bidder is mandatorily required to provide the detailed price of the quoted bid price as per above mentioned format
- ✓ Above mentioned format is indicative in nature and bidder may choose to provide requisite price break up detail as per their applicable format
- ✓ Bidder is required to take in to account all the items/ equipment/ services, which may not be mentioned in the tender document but are essential for the completion of project as per their assessment.

- ✓ No extra payment shall be made for items/ quantities which have not been mentioned by the Bidder in offer but required the satisfactory operation of belt conveying system.

Schedule of Requirements

SR. NO	DESCRIPTION	QTY	UNIT	MOC
PART –A – SUPPLY ITEM FOR CONVEYING SYSTEM AT BANAS OIL CAMPUS BADARPURA				
1.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE ; LENGTH : 9 MTR approx.	1	NO	SS304
2.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH :2 MTR approx.	1	NO	SS304
3.	INCLINE SS BELT CONVEYOR WITH DRIVE : LENGTH :6 MTR approx.	1	NO	SS304
4.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH :3 MTR approx.	1	NO	SS304
5.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH : 6MTR approx.	3	NO	SS304
6.	DIVERTER FLAP SYSTEM FOR BAG DIVERSION SYSTEM ON GROUND FLOOR TO FIRST FLOOR.	1	NO	SS304
7.	INCLINED SS BELT CONVEYOR WITH DRIVE; LENGTH : 4.5 MTR approx.	1	NO	SS304
8.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE ; 2 MTR APPROX	2	NO	SS 304
9.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH : 6 MTR APPROX.	2	NO	SS304
10.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; 7 MTR APPROX	1	NO	SS304
11.	INCLINED SS BELT CONVEYOR WITH DRIVE; LENGTH : 8 MTR APPROX.	1	NO	SS304
12.	INCLINE SS BELT CONVEYOR WITH DRIVE (FORWORD & REVERSE); LENGTH : 10 MTR approx	2	NO	SS304
13	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH : 2 MTR approx.	4	NO	SS304
14	a) ONLINE BAG COUNTER WITH DISPLAY FOR FINISH BAG	4	NO	---
	b) ONLINE BAG COUNTER SYSTEM WITH PC AND DATA STORAGE & CAPTURING SYSTEM	3	NO	---
15	MCC PANEL FOR BELT CONVEYING SYSTEM WITH ELECTRICAL ACCESSORIES LIKE CABLE TIE,CONDUITS, GLANDS, LUGS ,PU COATING, PUSH BUTTONS, HRS METER, ENERGY METER, VOLTMETER,AMMETER ETC	1	SET	---
16	SUPPLY OF ALL COPPER POWER & CONTROL CABLES ,DOUBLE COMPRESSION	1	LOT	---

	GLAND , PVC GLAND, LUGS , FERRUALS, FLEXIBLE CONDUIT PIPE ,ISOLATORS, TAGS, SQUARE PIPE ,SS CAGE TYPE CABLE TRAY, COUPLER PLATES, SUPORT, ETC..FOR ENTIRE SYSTEM INSTALLATION			
17	STRUCTURAL FOR PLATFORMS, RAILINGS, PIPING, AND SUPPORTS ETC	2	MT	MS PAINTED
PART – B – LABOR, ERECTION, INSTALLATION, TESTING & COMMISSIONING FOR BELT CONVEYING SYSTEM WORK				
1.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE ; LENGTH : 9 MTR approx.	1	NO	SS304
2.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH :2 MTR approx.	1	NO	SS304
3.	INCLINE SS BELT CONVEYOR WITH DRIVE : LENGTH :6 MTR approx.	1	NO	SS304
4.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH :3 MTR approx.	1	NO	SS304
5.	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH : 6MTR approx.	3	NO	SS304
6.	DIVERTER FLAP SYSTEM FOR BAG DIVERSION SYSTEM ON GROUND FLOOR TO FIRST FLOOR.	1	NO	SS304
7.	INCLINE SS BELT CONVEYOR WITH DRIVE; LENGTH : 4.5 MTR approx.	1	NO	SS304
8.	Horizontal ss belt conveyor with Drive ; 2 MTR approx	2	NO	SS 304
9.	Horizontal SS BELT CONVEYOR WITH DRIVE; LENGTH : 6 MTR approx.	2	NO	SS304
10.	Horizontal SS BELT CONVEYOR WITH DRIVE; 7 MTR approx	1	NO	SS304
11.	Inclined SS BELT CONVEYOR WITH DRIVE; LENGTH : 8 MTR approx.	1	NO	SS304
12.	INCLINE SS BELT CONVEYOR WITH DRIVE (FORWORD & REVERSE); LENGTH : 10 MTR approx	2	NO	SS304
13	HORIZONTAL SS BELT CONVEYOR WITH DRIVE; LENGTH : 2 MTR approx.	4	NO	SS304
14	a) ONLINE BAG COUNTER WITH DISPLAY FOR FINISH BAG	4	NO	---
	b) ONLINE BAG COUNTER SYSTEM WITH PC, DATA STORAGE & CAPTURING SYSTEM	3	NO	---
15	MCC PANEL FOR BELT CONVEYING SYSTEM WITH ELECTRICAL ACCESSORIES LIKE CABLE TIE, CONDUITS, GLANDS, LUGS ,PU COATING, PUSH BUTTONS, HRS METER, ENERGY METER, VOLTMETER, AMMETER ETC	1	SET	---

16	SUPPLY OF ALL COPPER POWER & CONTROL CABLES ,DOUBLE COMPRESSION GLAND , PVC GLAND, LUGS , FERRUALS, FLEXIBLE CONDUIT PIPE ,ISOLATORS,TAGS, SQUARE PIPE ,SS CAGE TYPE CABLE TRAY, COUPLER PLATES, SUPORT, ETC..FOR ENTIRE CONVEYING SYSTEM	1	LOT	---
17	STRUCTURAL FOR PLATFORMS, RAILINGS, PIPING, AND SUPPORTS ETC	2	MT	MS PAINTED

NOTE :

- ❖ All above Supplied item payment shall be given on JMS base. Whenever UNIT mentioned in LOT, payment shall be given on LOT basis. Rest of all items payments shall be given as per site supply, installation & commissioning.
- ❖ All responsibility of the bidder to carry out each & every minor work necessary to achieve rated capacity of the conveying system, despite it might not have been expressly mentioned in the tender document.
- ❖ Above Supplied items Qty is as per our design; however Bidder shall be responsible to proper design of said job and finalized a Qty with approval of site In-charge.
- ❖ Civil work shall be in scope of Purchaser.

Annexure- 3: EMD Details

1. Earnest Money Deposit Details (Rs. 2,00,000/-)

Details of NEFT / RTGS

UTR No. _____

Dated _____ Drawn On (Name of Bank) _____

EMD Amount Rs. _____

(Rupees in words (_____)

I/We have read the instructions carefully and accordingly submitting the tender as per the terms and conditions as given in the tender notice for **“Design, engineering, manufacture, supply and Labour Job for installation, testing and commissioning of conveying system for THR Plant at Banas Oil Campus Badarpura, Banas dairy, Palanpur, Gujarat”**

Date :

Signature of the Party:

With office stamp

Annexure- 4 : Turnover Details

Financial Year	Turnover (In Rupees)
F.Y.2020-21	
F.Y.2019-20	
F.Y.2018-19	
F.Y.2017-18	
F.Y.2016-17	

Annexure- 5: Summary of Orders Executed

Name of the Bidder: _____

Execution of Similar Projects during April- 2018 to March-2021: _____

Name of Dairy/ Organization	Reputed	Description of the Project Executed	Month Year	- Value (Lacs)

Note: Purchase Order copies should be enclosed in support of the above.

Date:

Seal of Company & Signature of Authority

Annexure 6: Scope of work & Technical Specifications

BASIS OF DESIGN

Design, engineering, manufacture, supply, installation, testing and commissioning of inbound THR FINISH PRODUCT 10 KG BAG driven loading conveying system, & outbound Bag conveying system for 200 TPD, THR at Badarpura oil campus, Banas Dairy plant, Palanpur. Gujarat

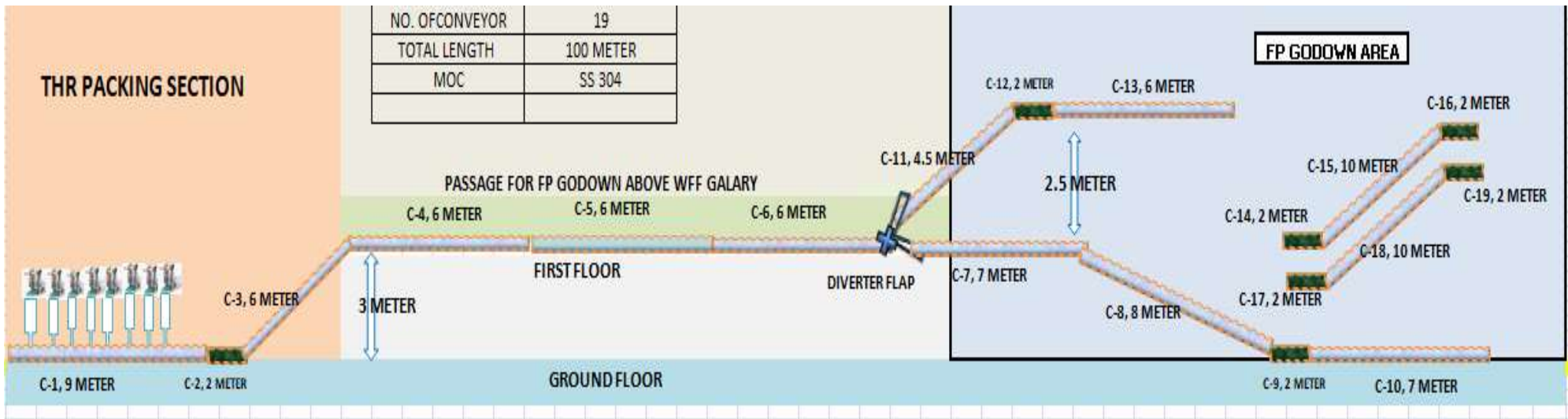
Bag Detail For Various Products:

PARTICULARS	PP BAG 10 KG	JUTE BAG 50 KG	PAPER BAG 25 KG
	For Main Conveyor System	For Inclined Conveyors ITEM NO- 12 & 13	
BAG CAPACITY	10 KG	50 KG	25 KG
BAG DIMENSION IN MM (WXL)	482 X 660	600 X 920	390 X 1050
MAX WEIGHT IN KG	11	52.5	26.5
MIN WEIGHT IN KG	10	50	25
THROUGH PUT INBOUND (BAG PER MIN)	25 /MIN	25 /MIN	25 /MIN

SCOPE:

Scope of conveyor supply and installation shall be started from existing THR packing station where we are packing our finish products in 10Kg PP bags. THR products in 10 Kg PP bags shall be manually place at the first conveyor from where these bags shall be received on a conveyor (9 Meter) from where bags will be conveyed on the first floor through an inclined conveyor. Bags arriving from inclined conveyor shall be conveyed towards small conveyor 3 mtr to wheat flour finish go-down through a series of 3 conveyors (each of 6 Meter in length) placed on the RCC roof of WFF entrance lobby through a narrow passageway connected to THR plant. These PP bags shall then be taken for placement either on ground floor or first floor by placing a movable diverter flap for diversion of the bags. While taking these bags on first floor a 4.5 Meter inclined conveyor shall be installed from where PP bags shall be arrived on a small conveyor (2 Meter), and finally a 6 Meter long conveyor has to be installed for placing bags on the first floor on the other hand while taking PP bags on the ground floor after diversion flap a 7 Meter long conveyor has to be installed then the bags shall be conveyed to a downwards inclined conveyor (length 8 Meter), then these bags shall arrived on small conveyor (2 Meter) for further conveying of bags on the conveyor (6 Meter) towards placement in go-down on the ground floor.

All the conveyor system shall be operated through a control panel. We required having online facility for counting PP bags. Automatic counter shall be placed at incoming of bags at THR packing station and suitable counters shall be placed after diversion flap for counting bags either going to first floor or ground floor We require automatic counting system at dispatch go-down also.



INDICATIVE

CONVEYOUR

LAYOUT

Technical Specification of Supplied Items

New conveyor system required for 10 KG bag carrying from THR plant packing section to new FP godown. Conveyor MOC should be in SS 304. Conveyor fabricated from heavy duty structure with duly mat polished with precision machined components. Drive & non-drive end shaft shall be in carbon steel with hard chrome plated rollers with doubled sealed bearing. Head and tail support for rollers & return roller shall be provided for belt adjustment & tightening system. Conveyor shall be provided with safety covers. Motor & Gear arrangement shall be provided direct coupling.

Dimension:

Main frame – 30 square mm x 16 swg square pipe

Width – 550 mm

Length – As per site requirement

Height – 600 mm with adjustable leg (Adjustable leg height should be consider Min^m 150 mm)

Speed - 25 Bag / minute

Bag Dimension: 660 x 482 mm.

Belt – PVC RUFTOP TYPE

SEQUENCE OF OPERATION FOR FINISH PRODUCT TRANSFER CONVEYOR:

- The Finish Product 10kg bag will be loaded manual loading on horizontal conveyor at Ground floor through small conveyor to incline conveyor to the 3 Mtr floor.
- The counter machine should be installed in the horizontal conveyor at THR packing Area.
- The Finish product will be conveyed to the 3-mtr floor to small horizontal conveyor.
- The Small conveyor to the horizontal main conveyor through the incline conveyor product passing to the small conveyor to finish product godown. (The supporting in the conveyor in RCC tunnel approx.. 11 mtr conveyor hanging in the RCC tunnel)
- The diverter flab provide in the main horizontal conveyor for the conveying finish product in to the 1st floor godown.
- Inbound Finish Product 10kg bag driven loading conveying system and outbound Finish Product incline conveyor through conveying system shall be capable for smoothly and maintenance free operation at different levels of floor in the RCC tunnel as well storage Godown. All the equipments of conveying system shall be suitable
- To convey Finish Product 10kg bag from ground level to different levels of the floor for Inbound process.
- To convey Finish Product 10kg bag from different levels to ground floor at the time of dispatch.

SEQUENCE OF OPERATION FOR INCLINE CONVEYOR IN FINISH GODOWN: ITEM NO-12 & 13

In the FP Godawn Incline conveyor should be design as per the material movement 50 KG bag SMP powder/FLOUR/WHEAT / THR 10kg plastic bags of Matru shakti, Purna shakti & Bal Shakti product moving for the ground floor to the first floor as well as first floor to the ground floor moving and also angle of the conveying system proper design then product move easily. Conveyor remote control as well as push button system conveyor should be work in both direction forward and reverse direction operation. Product bag details are shown below,

PARTICULARS	JUTE BAG 50 KG	PAPER BAG 25 KG
	For Inclined Conveyors ITEM NO- 12 & 13	
BAG CAPACITY	50 KG	25 KG
BAG DIMENSION IN MM (WXL)	600 X 920	390 X 1050
MAX WEIGHT IN KG	52.5	26.5
MIN WEIGHT IN KG	50	25
THROUGH PUT INBOUND (BAG PER MIN)	25 /MIN	25 /MIN

BAG AUTOMATIC COUNTER SYTEM TECHNICAL DETAILS:

For item no- 14a) & 14b), these counters are required for counting bags and data inputs in our daily reporting systems with following details,

- 14a) (04 numbers) These counters shall be installed on conveyors coming from THR plant to new FP godown, these counters shall have the facility to count and display numbers of bag on display boards installed in THR packing section, ground floor & first floor. These counters shall have facility to import data via USB pen drive, reset counter.
- 14b) (03 numbers) These counters shall be installed on inclined conveyors for transferring 50Kg/25Kg/10Kg bags from ground floor to first floor and on the conveyors for loading trucks. These counters shall have the facility to count and display numbers of bag on display boards installed in new Finish Go-down, on ground floor & first floors. These counters shall also have facility to monitor and control data capturing in excel format in the computer installed in our dispatch office at new FP go-down.

Operation maintenance point of view :

In the conveyor system suitable design for the maintenance point of view and also installation time easy to the maintenance for the conveying system.

2. LT POWER CABLE

4 Core power cable for use on 415 v system shall be 1100 V grade ,Copper conductor , XLPE insulated, PVC sheathed , Armored and Overall PVC sheathed shall be used From Main LT panel to LDB panel & LDB panel to individual street light pole/High Mast.

Make – RR / POLYCAB/ FINOLEX / KEI / HAVELLS

3. LT POWER CABLE

4 Core power cable for use on 415 v system shall be 1100 V grade ,Copper conductor , XLPE insulated, PVC sheathed , Armored and Overall PVC sheathed shall be used From Main LT panel to LDB panel & LDB panel to individual street light pole/High Mast.

Make – RR / POLYCAB/ FINOLEX / KEI / HAVELLS

4. Earthing Network

ERDA testing maintenance free chemical earthing for plant shall be provided by supplier. Civil work for Earthing pit shall be provided by Purchaser. Earthing electrode and pit shall be as per IS: 3043-1987 (reaffirmed 2001 – code of practices for Earthing). All earth electrodes shall preferably be driven to a sufficient depth to reach permanent moist soil.

The entire earthing installation shall be done in accordance with the earthing drawings, specification and instructions of the Engineer-in-charge. The entire earthing system shall fully comply with the Indian Electricity Act and Rules framed there under, The Supplier shall carry out any changes desired by the electrical inspector or the Purchaser in order to make the installation conform to the Indian Electricity Rules, at no extra cost. The exact location of the earth pits, earth electrode and conductors and earthing points of the equipments shall be determined at site, in consultation with the Engineer-in-charge. Any change in the methods, routing, size of conductor etc shall be subject to approval of the Purchaser/engineer-in-charge before execution.

5. ELECTRIC DISTRIBUTION PANEL (MCC)

The scope of this specification cover design, manufacture, assembly, testing at manufacturer's works, packing & forwarding to site indoor type 415V, 3 phase 4 wire AC Distribution boards for power distribution to belt conveyor.

The AC Distribution boards offered under this specification shall conform to latest revision of relevant Indian Standard Specification.

The MCC shall be constructed out of 1.6 mm thick sheet steel. The MCC shall be preferably Floor mounting, indoor type with proper gaskets at doors and joints to ensure dust and vermin-proof enclosures. **The phase bus-bars shall be of 100 Amps minimum, preferably tinned copper.** The neutral busbar shall be of tinned copper with adequate number of punching type screw terminals. Adequate space shall be provided at the top and bottom to facilitate easy termination of incoming and outgoing cables. The earthing terminals shall be provided both side of panel. It shall be dust & vermin proof with a degree of protection of IP-52.

A metal sill frame made of M.S. channel of 100 x 50 mm ISMC shall be provided as base frame, properly drilled for mounting the board. Necessary hardware shall also be provided for the same. It shall be provided with cable entry at bottom with 3 mm removable gland plate. Cable alley shall be provided with suitable hinged door. Vertical bus bar compartments shall be provided with adequate shrouding & bolted covers. Panel shall be painted with RAL-7035.

The board shall be provided with three phase and neutral bus-bars. **The bus-bars shall be made of high conductivity Copper (Current density shall be consider 1.2 A).** Wiring inside the board shall be carried out with 1100/650V grade. PVC insulated, stranded conductor wires. Minimum size of conductor for power circuits shall be 4 sq.mm. copper or stranded wires. Control circuits shall be wired with copper conductor of at least 2.5 sq.mm. for CT circuits & 1.5 sq.mm. for other circuits.

All labels shall comprise white letters on a black background. Labels shall be made of non-rusting metal or 3 ply lamicaid, or engraved PVC. Size of lettering shall be 6 mm., unless otherwise specified for incoming-outgoing feeders.

Switchgear Make: Siemens / Schneider / L&T

-
- **Geared Motor & Geared Boxes**

The geared motor should use helical gears. Electric motor and helical gear box should be built as one unit. The geared motors / gear boxes should be suitable for minimum 15 start / stops per hour without undue heating, for continuous duty of at least 24 Hrs. and minimum safety factor of 1.4.

The electric motors used for geared motors / gear boxes should be TEFC, degree of protection IP – 55, squirrel cage, induction type, with class `F' insulation suitable for 415 V, 50 Hz, 3 phase AC supply with IE-3 efficiency. Electric motors performance in general should confirm to IS-325-1996.

Geared motors / boxes to be complete including key in the driven shaft, oil level indicator, oil filling plug, oil breather and drain plug. Suitable grade gear oil for first charge of geared motor /boxes. Gear oil should not be filled but should be packed separately in a drum and sent along with geared motor / boxes Gear oil would be filled at site.

Gear make: NORD / PBL / ELECON / BONFIGLIOLI / EURO DRIVES

Motor make: ABB / SIEMENS / CROMPTON

Important Note for bidder:

- The technical specification of equipment is generally based on a particular design but bidders can supply equipment as per their design to meet the functional requirement of equipment specified in these technical specifications.
- The purchaser is open to the suggestions of the bidder for the best possible relative opinion of the equipment/system (or their accessories) being offered in the overall scheme/process flow so as to obtain the guaranteed performance of throughput and efficiency of this equipment.
- The Mechanical and Electrical design, performance and function of the main supply parts and their accessories, including control and instrumentation panels, shall comply with the latest relevant Indian standards. Safety and other statutory regulations/requirements shall comply with that being followed in the country
- Electrical item for this job like LT power cable ,control cable ,glands, Energy meter, MCC panel, control panel, cable tray etc are **scope in supplier**.
- Purchaser shall provide single point power connection of Incoming Feeder of Belt Conveying System MCC panel as per site requirement. Rest all of motor connection from MCC panel to individual motor in scope of supplier.
- Air and water shall be provided by Purchaser as per site requirement.
- Power cables for use on 415 V system shall be of 1100 volt grade, copper conductor, PVC insulated, metal braided, XLPE insulated, PVC sheathed, armoured and overall PVC sheathed strictly as per IS : 7098 PART 1/1988.
- Control cables for use on 415 V system shall be of 1100 volts grade, copper conductor, PVC insulated, metal braided, Rodent proof armoured PVC sheathed armoured and overall PVC sheathed, strictly as per IS: 1554 (Part I) - 1976. The minimum size of conductor shall be 1.5 sq.mm
- Electrical control panel shall be suitable for indoor installation in the wardrobe construction for compact configuration with provision for expansion. Distribution panel shall be completely dust & vermin proof conforming to IP 52 standard. The bus bar rating of each ECP shall be capable of carrying 1.25 times of full load current of all the feeders of respective ECP plus spare feeders'. The Incomer shall have 3-phase 4-wire energy meter with necessary Indications, Voltmeter, and Ammeter with selector switches and CT's and phase Indication

lamps.

- Supplier to submit offer with detailed price break up of all major components
- Tools: - Tools required for operating system will supplied by the bidder.
- Maintenance: - During warrantee period supplier will install or replace the spares on F.O.C. (Free of Cost) basis.
- Even minutest deviation from required Technical Specification should be mentioned in the "Deviation Form". In case of failure of the same, entire Bid may be rejected.

MAJOR RESPONSIBILITIES OF CONTRACTOR & PURCHASER

1.0 Responsibilities of contractor

It is not the intent of these technical specifications to specify completely all details of design & fabrication of any plant/equipment, nevertheless, the equipment shall confirm in all respects to high standards of engineering design & workmanship and be capable of performing in continuous commercial operation up to agreed performance standards in a manner acceptable to the purchaser.

The purchaser will interpret the meaning of various equipment specification and drawings and shall have the power to reject any material/ equipment which in their opinion is not in full accordance to tender specifications.

The contractor shall be responsible to undertake all work involved in implementing the project within their battery limits. This shall include but not limited to design, manufacture, supply, installation and commissioning of the entire project component including conveyors, electrical equipment, power cabling, instruments and controls, instrumentation & control cabling, pneumatics, and automation. Also all necessary supports, support structures, cable ducts, trenching, conduits etc. required to complete the installation and to meet the purchaser high standards are included. No exclusions of any nature are acceptable, other than those detailed in this Tender document to be in the supply of purchaser, or in the scope of one of the other Tender Packages.

In particular the Supplier shall be responsible for :

- Developing the process design, complete engineering design, manufacture and/or supply of all goods and services and ensuring best performance of individual equipment/system/ process plant as a whole. The supplier shall avail the assistance of reputed specialists in their respective fields, wherever required.

- Development of Automation schemes, software, interfaces etc. and their incorporation in the project to the entire satisfaction of the Purchaser.
- Providing purchaser with technical data, technical literature, production and service load calculations.
- Providing first charge of oil, lubricants and consumables. First charge means that these items shall be replenished until the successful completion of product trials.
- Execution of the project in accordance with the prevailing Indian Standards, Indian Electricity Rules, Indian Explosives Act, Indian Factories Act and any other Act which may be relevant to the project and obtaining approvals thereof. Wherever Indian Standards are not available the bidder shall follow International Standards.
- Adequate protection of equipment stored in open within the project site premises.
- Ensuring satisfactory performance and After-Sales service of all items included in the scope.
- Test equipment, test kits, instrumentation & materials required for establishing performance parameters.
- Necessary man-power, construction equipment and tools required to undertake all work involved in tender package.
- Insurance coverage against mishaps including due to fire, lightning etc.
- Arranging and deploying required security personnel's for preventions of theft/damage to the equipment supplied shall be responsibility of the bidder to keep ward and watch for all the equipments from supply till plant is handed over to purchaser.
- Ancillary services like **spares inventory for testing & trial runs**, maintenance schedules, special tools/tackles etc.
- Testing, commissioning and operation of the plant during production trials to the satisfaction of the purchaser.
- Performance guarantees with regard to the following :
 - a. Rated performance of section(s) and complete system(s).

- b. Product quality standards conforming to the prevailing International Standards.
 - c. Consumption of utilities for section-wise individual equipment and for the complete system.
 - d. Establishment of product losses
- Training of purchaser personnel in use and management of the automation systems, plant operation and control, maintenance and repair of systems and equipment

2.0 Responsibilities of purchaser:

- Details of civil design, building layout and drainage and sewage disposal details.
- Temporary water and power supply at one point within the dairy premises, if available, at free of cost.
- Lockable store, if available, for storage of expensive materials within the dairy premises. Otherwise contractor has to arrange on its own.
- Engineering personnel to liaison with the supplier, Project Manager and the execution team.
- Lightning protection system of building.
- Adequate staff including operators, supervisors and engineers for testing, commissioning and product trials.
- All buildings including roads, drainage and minor civil works after and during plant execution.
- Provision of and cost of services, raw products, packaging materials & chemicals (if available in the country).

GENERAL GUIDELINES

1.0 General Specification:

The following shall apply to all the equipment in various sections of the material handling system of Butter cold store.

All MS structures and equipment to be given one coat of anti-corrosive paint followed by two coats of paint of approved shade.

All motors in shall be covered with MS powder coated shrouds. Shrouds should be easily removable and should allow free air circulation as well as entry of electrical cables.

Suitable safety guards should be provided wherever required.

Makes of various equipment/components shall be selected out of the makes given in the tenders by Purchaser mutually after considering their merits.

All weld joints shall be ground smooth. All corners should be well-rounded. In case of SS surfaces, external & internal surfaces shall be polished to 150 grits. DP tests shall be carried out for all welds after polishing for all holding vessels/tanks.

Wherever a "Lot" has been indicated a detailed list shall be provided by the Contractor.

All instruments, controls, and Automation system should be manufactured by an internationally recognized Indian manufacturer or foreign manufacturer with suitable agency representation in India.

Detailed preventive maintenance schedules as well as operational manuals of all equipment shall be provided by the contractor in the form of computer software after commissioning along with printed copies.

The manual shall cover the following aspects:

- Brief description of material handling system.
- Equipment-wise details, operational instructions, maintenance procedures and schedules.
- System start-up, commissioning, normal operation, and emergency operation.
- Trouble-shooting.
- As built drawings of the equipment as build drawing connection diagrams.
- Spares inventory and services of supply.

The manuals and drawings are to be supplied as follows:

- 3 sets of manuals and drawings in hard copy.
- 2 sets of above in soft copy in CDs.

2.0 Automation:

The automation system shall be dispatched to site only after testing by simulation.

3.0 Bid Structure of Technical Section:

A. General:

This part of the tender document defines the way the bidders are required to structure the presentation of the technical section of the bid.

All the technical data required by the tender is to be provided in the format given in this section. If no format is given for any specific item the bidder may request formal approval of their own format at the bidders meetings.

Any bidder not following the required bid document structure or presenting technical data that is not the required format is liable to be deemed non-responsive.

B. Proposed Structure

The technical section of the bid is to be structured in the same order as the tender document. Each statement is to be numbered with the same sub-section & paragraph number as in the tender document. Every page of the document of the bid is to be numbered using the pre-fix of the sub-section and the suffix of the page no. The general structure is, therefore, to be as below:

Sub-section: Subject : Table of contents.

1. : Introduction.
2. : Responsibilities.
3. : General specifications.
4. : Design Basis.
5. : Project Management.
6. : List of equipment and specifications.
7. : Deviations from technical requirements.
8. : Additional items.
9. : Drawings and tables.
10. : Battery limits.

The bidder shall cover each requirement of the tender document by statements technical data & descriptive material and, in particular to detail the following:

Introduction

The bidder is to describe his technical proposal in detail, stating the processes and systems which he has applied in designing the plant. Also to highlight any special technical innovations that the bidder proposes to include in the plant that will improve the performance, reduce the operating cost, or improve product quality. Any such highlights should be cross referred with the bid sub-section and paragraph number as applicable.

Responsibilities

Responsibilities of the Contractor:

The bidder is required to specifically state his acceptance or non-acceptance of each clause in this subsection. Non-acceptance shall be deemed a deviation from the tender, and should be mentioned in the Technical/ Bidding Terms Deviations in the bid.

Responsibilities of Purchaser :

The bidder is required to state here any additional responsibilities that he considers or to be borne by Purchaser besides those described in the tender.

General Guidelines

The bidder is required to provide information asked for in this sub-section.

Design Basis

The bidder is required to follow the design basis in the tender, and indicate clearly where additional processes or alternative processes or equipment are considered to be necessary for achieving the optimum plant operating efficiency and optimum product quality within the standards specified.

Under the utilities quantify the peak and daily load of each utility & cross refer this to service load histograms that are to be provided with this bid.

Project Management

Time Schedule

The contractor is to state in this sub-section the proposed program of implementation from receipt of order to commencement of product trials, in the form of MS Project, project Bar chart or PERT network.

Management Team

The contractor is to detail the make-up of the management team in terms of designation, qualifications & proposed man months of attendance in accordance of this section of the tender. Also it is to quantify the support that will be given by foreign collaborators, with designation and man-months attendance in India & at site. The bidder is to ensure that the following sections are fully detailed and quantify the duration and man-power applied to each.

- Execution
- Commissioning.
- Product trials.
- Training.

List of equipment and specifications

The bidder is required to follow the sequence of tender document in each of the sections/sub-sections for which he bids, & make a statement on each paragraph. No item is to be left without a clarifying statement.

Deviation from technical requirements

All technical deviations are to be stated. This is mandatory, and failure to comply will make the bid liable to be deemed non-responsive.

Additional Items

The bidder should include additional items as anticipated by him, however, acceptance of any/all the items shall be at the discretion of Purchaser.

Drawings & Tables

The list of drawings and technical documents required for technical evaluation are included in this subsection. This includes a number of data sheet formats to be completed by the bidder. The completion of these formats is mandatory, and failure to comply will make the bid liable to be deemed non responsive.

Battery Limits

Any point in the battery limits that are not clear to the bidder should be raised for clarification.

PROJECT MANAGEMENT

1.0 Time Schedule :

The project execution shall be time-bound as per the mutually agreed time schedule which would **not exceed 3 months** from the date of issue of Purchase order to commissioning of the plant i.e., up to commencement of product trials and service load trials.

The Project Manager will provide the Purchaser's Project in charge with monthly progress reports which clearly indicate the actual Vs. planned progress and the new likely completion dates of supply, erection, commissioning and product trials.

The project staffing pattern shall be submitted with the offer and should include sufficient personnel to meet the execution time schedule.

Details of documentation to be submitted shall be according to the overall project program.

2.0 Management Team:

A competent execution team shall be deputed at site and shall be headed by a Project Manager who shall be adequately experienced in Project Management of such magnitude and type. The Project Manager shall avail of assistance from reputed experts in various fields who shall be directly responsible for satisfactory execution.

The Project Manager shall be responsible for overall implementation of the entire project, from commencement to the final takeover of the plant.

Services of a Project Engineer shall be ensured for the day to day operations and co-ordination to ensure successful and satisfactory design, procurement, manufacture, inspection, erection, testing & commissioning of all the equipment/ facilities/ systems within the time-bound schedule.

The Project Manager and Project Engineer shall attend all technical and review meetings between various parties involved in the project and ensure implementation of all decisions taken in the meetings.

The Project Manager shall be responsible for detailed material accounting at site and management of the store maintained at site.

The Purchaser shall nominate a Project In charge with whom the supplier shall generally communicate/co-ordinate.

The contractor has to fully authorize the Project Manager to take on-the-spot decision with regard to:-

- a) Modification in layout and execution program to suit local conditions.
- b) To purchase essential materials from local market to avoid delays.

For smooth execution of the project, a team of Project Manager and Key Personnel shall remain consistent throughout the execution period.

After satisfactory erection and testing, competent commissioning team shall be deputed to establish the performance parameters for a specific period.

3.0 Approvals:

Approval on technical documentation (with or without specified amendments) shall be given by Purchaser within ten working days after submission. The amendments which are not in the original scope of work or due to changes in concept, shall be taken up by the supplier as per mutually agreed rates to be decided before execution, and shall be binding on the supplier.

Supplier shall obtain approval for purchase of specific makes of equipment whose makes are not mentioned in his offer.

All the detailed design calculations regarding the selection of equipment sizes, system types, etc. shall be submitted to Purchaser for their specific observation and record.

4.0 Inspection:

For indigenous items, the supplier shall invite Purchaser for inspection and preliminary testing. The inspection may be required at various stages of manufacture/assembly for some items. However, for imported items where the inspection has to be done abroad, the supplier shall do the inspection at his cost and submit the necessary test certificate.

5.0 Site work & Installation:

Protection of electronic equipment:

It is the responsibility of contractor to ensure that all the electronic equipment & control systems are fully protected against hostile environment, humidity, heat and dust that will be encountered during storage & installation.

6.0 Commissioning:

After satisfactory erection & testing a competent team shall be deputed to commission the plant & to run product trials & to establish performance parameters. Commissioning means the stabilized operation of the plant on milk for commercial purpose.

7.0 System Trials & Performance Guarantees :

The material handling system will be operated at full capacity to the satisfaction of Purchaser for a period of **20 days**, during which the entire material handling system shall run simultaneously & the system shall fulfill all the performance criteria. These operation tests shall be simultaneous & consecutive. Each part of the material handling system shall be operated at rated capacity for 20 days trials for as per product load availability.

Performance test:

The contractor is required to detail the documentation proposed for performance test of all major items of material handling system. This shall detail the guaranteed v/s actual throughput or output or performance (as relevant). Also the test methods proposed to demonstrates that these guarantees have been met:

These tests shall be consecutive and not simultaneous. If shut down occurs for more than one hour, due to external Force Majeure reasons, trials shall be abandoned during that day and repeated. IF shutdown occur due to any Major equipments breakdown than this day trial would be not considering as a performance trail. During the performance trail bidder should have perform each components of the MHS on rated capacity.

Plant performance trials : At completion of the commissioning trials the entire MHS shall be operated at rated capacity for 20 days of continuous operation.

SYSTEM PERFORMANCE AND UTILITY CONSUMPTION GUARANTEES

If the material handling system or any part thereof does not give the agreed process performance and consumption guarantees during the warranty period due to reason attributed to the supplier, the supplier shall subject to 2 below, the action shall be as below:

Equipment performance : The satisfactory performance for the equipment/processing plant will be considered achieved if the plant operates above 98% of the rated capacity declared by the supplier in the offer.

If performance is between 95% and 98% of the rated capacity, penalty per 1% shortfall will be calculated at 1% of equipment Rs. Value in the contract.

If performance is below 95%, the contractor will be required to upgrade the plant or replace the plant to comply with the above performance criteria. Otherwise the plant will be deemed unacceptable.

Service requirement : If measured demand of service in the plant is less than 103% of the consumption declared by the contractor, the buyer will accept that the service requirements has been achieved.

If the requirement of any of the services in the plant is between 103% and 105% of the declared demand, penalty will be charged at 0.33% of Rs. Value of the contract per 1% rise in consumption for each of the services which falls in this category of excessive demand. For the purpose of this calculation, only the main service, steam, power and chilled water will be considered.

If the measured demand for service and energy is above 105%, the contractor will be required to upgrade the plant or replace the plant to comply with the declared performance criteria. Otherwise the plant will be deemed unacceptable.

BATTERY LIMITS

Item	Purchaser's Scope	Supplier's Scope Includes
Civil works	Necessary foundations for equipment based on the details provided by the equipment supplier.	Supply of necessary foundation bolts along with the template, sub base, conveyor hanging, motor slide rails and all other associated erection materials.
Product for trail	Purchaser shall provide required product for trail and design of the system	
Electrical	Power shall be made available at the outgoing feeder of the THR IMCC Panel to new conveyor MCC panel.	Supplier of the material handling system is responsible for laying of power cables and accessories and Conveyor panel to individual consumption points of each equipment including cable tray/ducts considered under the scope of supplier. Necessary earthing of equipments considered in the scope of this tender.
Automation		Local ON/OFF / Remote Control panel for conveyor. Sequential operation with interlocking
Structural/ supports		In supplier scope

Note:

- Supplier to submit offer with detailed price break up of all major components
- Tools: - Tools required for operating system will supplied by the bidder.
- Maintenance: - During warrantee period supplier will install or replace the spares on F.O.C. (Free of Cost) basis.
- Even minutest deviation from required Technical Specification should be mentioned in the "Deviation Form". In case of failure of the same, entire Bid may be rejected.

Annexure- 6: Deviation Report

Name of Supplier:

Technical Deviations List:

-
-
-
-
-
-

Commercial Deviations List:

-
-
-
-

Note: Above mentioned format is indicative in nature and bidder may provide requisite information in their applicable format. In case of any other deviation not mentioned on this page, may lead to disqualifying of Bid.

Date:

Seal of Company & Signature of Authority

Annexure- 7: Format for Performance Bank Guarantee

(To be stamped according to Stamp Act and to be in the name of the executing Bank)

To,
The Banaskantha District Co. Op. Milk Producers' Union Ltd.,
(C/O - Banas Dairy)
At & Ta.-Palanpur,
Dist. – Banaskantha

In accordance with your Supply Order No.- Dtd., awarded to M/S; for the supply and installation of,

which has been duly accepted by M/S; having its registered office at; has requested for Performance Guarantee, as an irrevocable Bank Guarantee (Performance Guarantee) for the amount of Rs...../- (Rupees Only) is required to be submitted by the tenderer as a condition precedent for participation in the said supply which amount is liable to be forfeited on the happening of any contingencies mentioned in the tender document.

We, the bank, a body corporate constituted under the banking Companies (Acquisition of Undertakings) Act, 1970 and is having its head office at, and a branch office amongst other places of business at (Hereinafter referred to as "the Bank");

guarantee and undertake to pay immediately on demand without any recourse to the The Banaskantha District Co. Op. Milk Producers' Union Ltd. (hereinafter referred to as Banas Dairy), the amount of Rs...../- (Rupees Only) without any reservation, protest, demur and recourse. Any such demand made by Banas Dairy, Palanpur, shall be conclusive and binding on us irrespective of any dispute or difference raised by the Tenderer.

This guarantee shall be irrevocable and shall remain valid up to (Being months from the supply and installation of). If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from M/S , on whose behalf this guarantee is issued.

Notwithstanding whatever stated herein above

1. Our liability under this Bank Guarantee shall not exceed Rs./- (Rupees Only).

2. The Bank Guarantee Shall be valid up to 2017 and shall have a lodgement period up to 2017.
3. The Bank is liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before, 2017.

Any Claim under this guarantee must be received by us before the expiry of this Bank Guarantee. If no such claim has been received by us on or before the said date, the rights of Banas Dairy under this Guarantee will cease. However, if such a claim has been received by us within the said date, all the rights of Banas Dairy, Palanpur under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the Bank, through its authorized office, has set its hand and stamp on this ____ th day of _____ at _____ .

For and on behalf of bank

Signature _____
 Name & Designation _____
 Authorization No _____
 Date and Place _____
 Bank Seal _____

The above guarantee is accepted by the Authority.

Annexure- 8: Vendor Registration Form



Banaskantha District Cooperative Milk Producers' Union Ltd.,

Banas Dairy, Post Box No. 20, Palanpur: 385 001, Phone: 253881 to 253885

Fax : 02742-252723, e-mail :tender@banasdairy.coop, web www.banasdairy.coop

Please mark all such columns as NOT APPLICABLE where you cannot provide information.

ADDRESS	
Name of the Vendor *Mandatory (This shall be the registered name of the firm. With the same name payments to party will be released) (CAPITAL LETTERS)	
Address of Head Office *Mandatory	
Street-1	
Street - 2	
City	
District Name	
State	
Pin Code	
Telephone (1) LL : STD Code:	
Telephone (2) Mob :	
Fax	
Email-id	
Company Web Site (if any)	
Name and Designation of Contact Person(s)	

Note: - If HO Office /Branch Office / Factory having in different state please give Bank details / Tax Details in separate sheet.

Address of Branch (If any)	
Street – 1	
Street – 2	
City	
State	
Pin Code	
Telephone	
Fax	
Email-id	
Name & Designation of Contact Person(s)	
Address of Factory / Factories / Subsidiaries / Sister Concerns (If any)	
Street	
City	
State	
Pin Code	
Telephone	
Fax	
Email-id	
Name & Designation of Contact Person	

Please use separate sheets if required

ORGANIZATION DETAILS	
Status of Organization	

Tick (☑) appropriate option.	Proprietary / Partnership / Company / LLP								
Name of Business									
Nature of Enterprise Investment in Plant & Machinery: * Mandatory if applicable and pl. Mention the MSMED Registration No. Date and Category micro, small, Medium IF NOT, PLEASE MENTION N/A If you are under MICRO, SMALL & MEDIUM ENTERPRISES DEVELOPMENT (MSMED) ACT 2006. MSMED Registration Certificate is Required									
Year of Establishment									
Registration Number (as per certificate from ROC/ Registrar of Firms.									
Name & Address of the Owner / Partners / Directors	<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Name</th> <th>Designation</th> <th>Address</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">(Attach separate Sheet if Required)</td> </tr> </tbody> </table>	Sr.No.	Name	Designation	Address	(Attach separate Sheet if Required)			
Sr.No.	Name	Designation	Address						
(Attach separate Sheet if Required)									
BANK DETAILS * Mandatory									
Bank Account No.									
Name of the Bank									
Bank Address									

Bank City	
Bank Branch	
IFSC RTGS / NEFT No.	
Branch Code	
EXCISE DETAILS	
Excise Registration No.	
Excise Range	
Excise Division	
Excise Commissionerate	
CST No.	
GST /ARN number	
Vat(TIN)	
PAN	
Service Tax Registration No	
Service Category	
Service Tax Commissionerate	
Service Tax Commissionerate range	
Work Contract Tax Registration No.	
SERVICE DETAILS OF ORGANISATION	
Describe firm's major field(s) of Operation/Product range.	
Installed Capacity	
Average Monthly Production	

Sources of major Raw Materials	
Value of average raw materials inventory maintained	
Is Sub Vendor approval carried out by you for your vendors?	
Make/Type / Value of machines used. Please attach details.	
Manufacturing facilities available at work place. (Please attach details)	
Do you have separate Inspection Cell? Inspection & Testing facilities available at work. (Please attach details)	
Quality Control is responsible to whom?	
Description of the material to be Supplied	
Description of the Service to be Provided	
HSN	
Service A/C Code	

DECLARATION

The above information is true in all respects and we undertake to inform you about any change in the above particulars regarding our business from time to time. We also undertake the responsibility that in no case we will employ any consultant to deal with BKDCMPU Ltd., Palanpur

Mandatory fields are marked with an asterisk (*)

Note : *The vendor creation will be made based on the information furnished by you in the above form for vendor registration. If, at any time in future, it comes to the knowledge of the management that any of this information is incorrect or any relevant information has been withheld then you are liable to be **black listed** without any notice in lieu thereof.*

☑☑☑As a part of vendor registration, the copy of following **supporting documents** must be required and all details (whatever applicable) to be filled in the vendor registration form.

- 1) **PAN Card**
- 2) **Demand Draft against Tender Fees Non Refundable**
- 3) **Excise Registration Certificate**
- 4) **Partnership Deed/Trade License**
- 5) **CST & VAT & GST Registration**
- 6) **Cancelled Cheque**
- 7) **Service Tax Registration certificate**
- 8) **List of Directors/Partners on company's Letter Head.**
- 9) **Registration Certificate from ROC (in case of Companies)**

Date : _____

Place : _____

Name & Signature of Proprietor/Partner/

Chief Executive under Proper Seal

For Office Use Only

Concerned Dept. Head

O.S.D. (Comm.)

Vendor Registration No. _____ Date : _____