

BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD,
BANAS DAIRY, PALANPUR385001, PHONE: 02742 253881 TO 85, FAX: 02742 252723

NATIONAL COMPETITIVE BIDDING FOR
THE SUPPLY OF BMCUs OF VARIOUS CAPACITIES (3KL, 5KL&10KL)

BID REFERENCE : NCB 4 VBMPS BMCUs 2019

DATE OF COMMENCEMENT OF
SALE OF BIDDING DOCUMENT : 18/03/2019

LAST DATE FOR SALE OF
BIDDING DOCUMENT : 18/04/2019till 2.30pm

* LAST DATE AND TIME FOR
RECEIPT OF BIDS : 19/04/2019 till 2.30pm

TIME AND DATE OF OPENING
OF BIDS : 19/04/2019 till 3:00 pm

PLACE OF OPENING OF BIDS :
Main Administrative Building,
Banaskantha Dist.Coop.Milk Producers' Union Ltd,Palanpur-385001

ADDRESS FOR COMMUNICATION :
BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS'
UNION LTD, BANAS DAIRY, PALANPUR385001, PHONE: 02742 253881
TO 85, FAX: 02742 252723

SECTION I: INVITATION FOR BIDS (IFB)

**NATIONAL COMPETITIVE BIDDING FOR
THE SUPPLY OF BMCUs of various capacities**

INVITATION FOR BIDS (IFB)

Credit No.: 5074-IN

IFB No. : NCB 4 VBMPS BMCUs 2019

1. The Government of India has received a Credit from the International Development Association in various currencies towards the cost of project and Banas Dairy, an EIA of the project intends to apply part of the proceeds of this credit to eligible payments under the contracts for which this Invitation for Bids is issued.
 2. The BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, BANAS DAIRY, PALANPUR (*Purchaser*) now invites sealed bids from eligible bidders for supply of BMCUs of Various Capacities 3KL, 5KL & 10 KL.
 3. Bidding will be conducted through the National Competitive Bidding (NCB) procedures agreed with World Bank. The provisions in the Instructions to Bidders and in the General Conditions of contract are based on the provisions of the World Bank Standard Bidding Document - Procurement of Goods.
 4. Interested eligible Bidders may obtain further information from and inspect the bidding documents at the office of the BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, BANAS DAIRY, PALANPUR, GUJARAT, India.
 5. A complete set of bidding documents may be purchased by any interested eligible bidder on the submission of a written application to the above office and upon payment of a non-refundable fee as indicated below in the form of a Demand Draft in favour of BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, payable at PALANPUR. Tender Document will also be available on our website: www.banasdairy.coop, however bidder opting to submitted document will be required to submit Demand Draft in lieu of non refundable tender fee along with bid. Tender without tender fee will be considered as non responsive.
- Note: Bidders opting to submit the downloaded Tender Document will be required to regularly visit our website for any update pertaining to this tender.
6. The bidding document may be obtained from the office of Banaskantha District Cooperative Milk Producers' Union Ltd, Banas Dairy, Palanpur, during office hours namely, from 10:00AM hrs to 3:00PM hrs, on all working days either in person or by post. Banaskantha District Cooperative Milk Producers' Union Ltd, Palanpur will not

be held responsible for the postal delay, if any, in the delivery of documents or non-receipt of the same.

- (a) Price of bidding document (non-refundable) : Rs.500/-
- (b) Postal charges, inland : Rs.100/-
- (c) Postal charges, overseas : Rs.500/-
- (d) Date of commencement of sale of bidding document : 18/03/2019
- (e) Last date for sale of bidding document : 18/04/2019 till 2.30pm
- (f) Last date and time for receipt of bids : 19/04/2019 till 2.30pm
- (g) Time and date of opening of bids : 19/04/2019 till 3:00 pm
- (h) Place of opening of bids :
BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, PALANPUR, BANAS DAIRY, PALANPUR385001, PHONE: 02742 253881 TO 85, FAX: 02742 252723
- (i) Address for communication :
BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, BANAS DAIRY, PALANPUR385001, PHONE: 02742 253881 TO 85, FAX: 02742 252723

7. All bids must be accompanied by a bid security as specified in the bid document and must be delivered to the above office at the date and time indicated above. Electronic bidding will [will not] be permitted. Late bids will be rejected.
8. Bids will be opened in the presence of Bidders' representatives who choose to attend on the specified date and time.
9. In the event of the date specified for bid receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.

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1. PART 1 – BIDDING PROCEDURES

SECTION I - INSTRUCTIONS TO BIDDERS [ITB]

Section I. Instructions to Bidders

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Section I. Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VI, Schedule of Requirements. The name and identification number of this National Competitive Bidding (NCB) procurement are **specified in the BDS**. The name, identification, and number of lots of are **provided in the BDS**.
 - 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “day” means calendar day.
2. **Source of Funds**
 - 2.1 The Government of India (hereinafter called “Borrower”) **specified in the BDS** has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) toward the cost of the project **named in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract for which these Bidding Documents are issued.
 - 2.2 Payments by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the financing agreement between the Borrower and the Bank (hereinafter called the Loan Agreement), and will be subject in all respects to the terms and conditions of that Loan Agreement. The Loan Agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan Agreement or have any claim to the funds.
3. **Fraud and Corruption**
 - 3.1 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and

their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts . In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party ;
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation ;
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party ;
 - (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party ;
 - (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
 - (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
 - (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive or obstructive practices during the procurement or the

implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;

- (d) will sanction a firm or individual, at any time, in accordance with prevailing Bank's sanctions procedures, including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated sub-contractor, consultant, supplier or services provider of an otherwise eligible firm being awarded a Bank-financed contract;

3.2 Furthermore, Bidders shall be aware of the provision stated in Sub-Clause 35.1 (a) (iii) of the General Conditions of Contract.

- 4. Eligible Bidders**
- 4.1 A Bidder, and all parties constituting the Bidder, may have the nationality of any country, subject to the restrictions specified in Section V, Eligible Countries. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including Related Services.
 - 4.2 A Bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process, if they:
 - (a) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents; or
 - (b) submit more than one bid in this bidding process, except for alternative offers permitted under ITB Clause 13. However, this does not limit the participation of subcontractors in more than one bid;
 - 4.3 A Bidder that is under a declaration of ineligibility by the Bank in accordance with ITB Clause 3, at the date of contract award, shall be disqualified. The list of debarred firms is available at

the electronic address specified in the **BDS**.

- 4.4 A firm that has been determined to be ineligible by the Bank in relation to the Bank Guidelines On Preventing and Combating Fraud and Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants shall be not be eligible to be awarded a contract.
- 4.5 Government-owned enterprises in the Borrower's Country shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under commercial law, and (iii) are not a dependent agency of the Purchaser or Borrower or Sub-Borrower.
- 4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 5. Eligible Goods and Related Services**
- 5.1 All the Goods and Related Services to be supplied under the Contract and financed by the Bank may have their origin in any country in accordance with Section V, Eligible Countries.
- 5.2 For purposes of this Clause, the term "goods" includes commodities, raw material, machinery, equipment, and industrial plants; and "related services" includes services such as insurance, installation, training, and initial maintenance.
- 5.3 The term "origin" means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Bidding Documents

- 6. Sections of Bidding Documents**
- 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 8.

PART 1 Bidding Procedures

- Section I. Instructions to Bidders (ITB)
- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms

- Section V. Eligible Countries

PART 2 Supply Requirements

- Section VI. Schedule of Requirements

PART 3 Contract

- Section VII. General Conditions of Contract (GCC)
- Section VIII. Special Conditions of Contract (SCC)
- Section IX. Contract Forms

6.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents.

6.3 The Purchaser is not responsible for the completeness of the Bidding Documents and their addendum, if they were not obtained directly from the Purchaser.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

7. Clarification of Bidding Documents

7.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than fifteen (15) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and ITB Sub-Clause 24.2.

8. Amendment of Bidding Documents

8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.

8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser.

8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of

bids, pursuant to ITB Sub-Clause 24.2

C. Preparation of Bids

- | | |
|---|--|
| 9. Cost of Bidding | 9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. |
| 10. Language of Bid | 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into English language, in which case, for purposes of interpretation of the Bid, such translation shall govern. |
| 11. Documents Comprising the Bid | <p>11.1 The Bid shall comprise the following:</p> <ul style="list-style-type: none"> (a) Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 12, 14, and 15; (b) Bid Security, in accordance with ITB Clause 21, if required; (c) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 22; (d) documentary evidence in accordance with ITB Clause 16 establishing the Bidder's eligibility to bid; (e) documentary evidence in accordance with ITB Clause 17, that the Goods and Related Services to be supplied by the Bidder are of eligible origin; (f) documentary evidence in accordance with ITB Clauses 18 and 30, that the Goods and Related Services conform to the Bidding Documents; (g) documentary evidence in accordance with ITB Clause 19 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and (h) Manufacturers authorization form. (i) any other document required in the BDS. |

- 12. Bid Submission Form and Price Schedules**
- 12.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 13. Alternative Bids**
- 13.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.
- 14. Bid Prices and Discounts**
- 14.1 The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules shall conform to the requirements specified below.
- 14.2 All lots and items must be listed and priced separately in the Price Schedules.
- 14.3 The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discounts offered.
- 14.4 The Bidder shall quote any unconditional discounts and indicate the method for their application in the Bid Submission Form.
- 14.5 The terms EXW and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, as specified in the **BDS**.
- 14.6 Prices shall be quoted as specified in the Price Schedule included in Section IV, Bidding Forms. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V Eligible Countries. Prices shall be entered in the following manner:
- (a) **For Goods:**
- (i) the price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all duties (customs etc.) and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
- (ii) any vat, sales tax and other taxes which will be payable on

the Goods if the contract is awarded to the Bidder; and

- (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified in the **BDS**.
- (b) **for the Related Services**, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
 - (i) the price of each item comprising the Related Services (inclusive of any applicable taxes).

14.7 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the **BDS**. A Bid submitted with an adjustable price quotation shall be treated as non responsive and shall be rejected, pursuant to ITB Clause 30. However, if in accordance with the **BDS**, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

14.8 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction in accordance with ITB Sub-Clause 14.4 provided the bids for all lots are submitted and opened at the same time.

15. Currencies of Bid

15.1 The Bidder shall quote in Indian Rupees only.

16. Documents Establishing the Eligibility of the Bidder

16.1 To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.

17. Documents Establishing the Eligibility of the Goods and Related Services

17.1 To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.

**18. Documents
Establishing the
Conformity of
the Goods and
Related
Services**

- 18.1 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VI, Schedule of Requirements.
- 18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.
- 18.3 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.
- 18.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.

**19. Documents
Establishing the
Qualifications
of the Bidder**

- 19.1 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
- (a) (i) that, if **required in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;
- (ii) Supplies for any particular item in each schedule of the bid should be from one manufacturer only. Bids from agents offering supplies from different manufacturer's for the same item of the schedule in the bid will be treated as

non-responsive.

(b) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

(c) Bids from Joint Ventures are not acceptable

**20. Period of
Validity of Bids**

20.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non responsive.

20.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 21, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB Sub-Clause 20.3.

20.3 In the case of fixed price contracts, if the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be adjusted as by the factor 7% for each week or part of week that has elapsed from the expiration of the initial bid validity to the date of notification of award to the successful bidder. Bid evaluation shall be based on the Bid Price without taking into consideration the above correction.

21. Bid Security

21.1 The Bidder shall furnish as part of its bid, a Bid Security, if required, as **specified in the BDS**.

21.2 The Bid Security shall be in the amount specified in the BDS and denominated in the currency of the Purchaser's Country or a freely convertible currency, and shall:

(a) at the bidder's option, be in the form of either a certified check, demand draft, letter of credit, or a bank guarantee from a Nationalised/Scheduled Bank in India.

(b) be substantially in accordance with one of the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission;

- (c) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 21.5 are invoked;
- (d) be submitted in its original form; copies will not be accepted;
- (e) remain valid for a period of 45 days beyond the validity period of the bids, as extended, if applicable, in accordance with ITB Clause 20.2;

21.3 If a Bid Security is required in accordance with ITB Sub-Clause 21.1, any bid not accompanied by a substantially responsive Bid Security in accordance with ITB Sub-Clause 21.1, shall be rejected by the Purchaser as non-responsive.

21.4 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 44.

21.5 The Bid Security may be forfeited or the Bid Securing Declaration executed:

- (a) if a Bidder
 - (i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 20.2; or
 - (ii) does not accept the correction of errors in procurement of ITB 31,
 or,
- (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 43;
 - (ii) furnish a Performance Security in accordance with ITB Clause 44.

21.6 Not used

21.7 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 20.2, or
- (b) if the successful Bidder fails to: sign the Contract in

accordance with ITB 43; or furnish a performance security in accordance with ITB 44;

the Borrower may, **if provided for in the BDS**, declare the Bidder disqualified to be awarded a contract by the Purchaser for a period of time **as stated in the BDS**.

22. Format and Signing of Bid

- 22.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." In addition, the Bidder shall submit copies of the bid, in the number specified in the **BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 22.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. The authorization shall be indicated by written Power of Attorney accompanying the bid.
- 22.3 Any interlineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. Submission and Opening of Bids

23. Submission, Sealing and Marking of Bids

- 23.1 Bidders may always submit their bids by mail or by hand. When so specified in the **BDS**, bidders shall have the option of submitting their bids electronically.
- (a) Bidders submitting bids by mail or by hand, shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB Clause 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB sub-Clauses 23.2 and 23.3.
- (b) Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the **BDS**.
- 23.2 The inner and outer envelopes shall:
- (a) Bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 24.1;
- (c) bear the specific identification of this bidding process indicated

in ITB 1.1 and any additional identification marks as **specified in the BDS**; and

- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 27.1.

23.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

23.4 Talex, Cable or Facsimile bids will be rejected as non-responsive.

24. Deadline for Submission of Bids

24.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day.

24.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

25. Late Bids

25.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 24. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

26. Withdrawal, Substitution, and Modification of Bids

26.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 23, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 22.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) submitted in accordance with ITB Clauses 22 and 23 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” or “MODIFICATION;” and
- (b) received by the Purchaser prior to the deadline prescribed

for submission of bids, in accordance with ITB Clause 24.

26.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 26.1 shall be returned unopened to the Bidders.

26.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

27. Bid Opening

27.1 The Purchaser shall conduct the bid opening in public at the address, date and time **specified in the BDS**. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB Sub-Clause 23.1, shall be as **specified in the BDS**. In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

27.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. If the withdrawal envelope does not contain a copy of the "power of attorney" confirming the signature as a person duly authorized to sign on behalf of the Bidder, the corresponding bid will not be opened. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.

27.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, including any discounts and alternative offers; the presence of a Bid Security, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for

late bids, in accordance with ITB Sub-Clause 25.1.

- 27.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts, and alternative offers if they were permitted; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the attendance sheet. A copy of the record shall be distributed to all Bidders who submitted bids in time, and posted online when electronic bidding is permitted.

E. Evaluation and Comparison of Bids

- | | |
|-----------------------------------|---|
| 28. Confidentiality | <p>28.1 Information relating to the examination, evaluation, comparison, and postqualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.</p> <p>28.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and postqualification of the bids or contract award decisions may result in the rejection of its Bid.</p> <p>28.3 Notwithstanding ITB Sub-Clause 28.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.</p> |
| 29. Clarification of Bids | <p>29.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that changes the substance of the Bidder price of the bid shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 31.</p> |
| 30. Responsiveness of Bids | <p>30.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.</p> <p>30.2 A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission. A material</p> |

deviation, reservation, or omission is one that:

- (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (c) if rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

30.3 Bids from Agents, without proper authorization from the manufacturer as per Section XII, shall be treated as non-responsive.

30.4 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

31. Nonconformities, Errors, and Omissions

31.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

31.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

31.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

31.4 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and the Bid security may be forfeited

32. Preliminary Examination of Bids

32.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.

32.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected and the bid security may be forfeited.

- (a) Bid Submission Form, in accordance with ITB Sub-Clause 12.1;
- (b) Price Schedules, in accordance with ITB Sub-Clause 12.2;
- (c) Bid Security in accordance with ITB Clause 21, if applicable.

33. Examination of Terms and Conditions; Technical Evaluation

33.1 The Purchaser shall examine the bid to confirm that the Bidder has accepted all terms and conditions specified in GCC and the SCC. without material deviations or reservation. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 18). Warranty (GCC Clause 28), Force Majeure (Clause 32), Limitation of liability (GCC Clause 30), Governing law (GCC Clause 9) and Taxes & Duties (GCC Clause 17) will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

33.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 18, to confirm that all requirements specified in Section VI, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

33.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 30,

it shall reject the Bid.

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| 34. Conversion to Single Currency | Not used |
| 35. Domestic Preference | Not used |
| 36. Evaluation of Bids | <p>36.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.</p> <p>36.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in ITB Clause 36. No other criteria or methodology shall be permitted.</p> <p>36.3 To evaluate a Bid, the Purchaser shall consider the following:</p> <ul style="list-style-type: none"> (a) evaluation will be done for Items or Lots, as specified in the BDS; and the Bid Price as quoted in accordance with clause 14; (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 31.3; (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.4; (d) adjustments due to the application of the evaluation criteria specified in the BDS from amongst those set out in Section III, Evaluation and Qualification Criteria; <p>36.4 The Purchaser's evaluation of a bid will exclude and not take into account:</p> <ul style="list-style-type: none"> (a) In the case of Goods manufactured in India or goods of foreign origin already located in India, vat, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder; (b) any allowance for price adjustment during the period of execution of the contract, if provided in the bid. <p>36.5 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 14. These factors may be related</p> |

to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 36.3 (d).

- 36.6 If so **specified in the BDS**, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations, is specified in Section III, Evaluation and Qualification Criteria.
- 37. Comparison of Bids** 37.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 36.
- 38. Postqualification of the Bidder** 38.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.
- 38.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 19.
- 38.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
- 39. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids** 39.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

F. Award of Contract

- 40. Award Criteria** 40.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

- 41. Purchaser's Right to Vary Quantities at Time of Award**
- 41.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- 42. Notification of Award**
- 42.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.
- 42.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
- Publication of Award**
- 42.3 The Purchaser shall publish in a www.banasdairy.coop the results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at bid opening; (iii) name and evaluated prices of each Bid that was evaluated; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded. After publication of the award, unsuccessful bidders may request in writing to the Purchaser for a debriefing seeking explanations on the grounds on which their bids were not selected. The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after Publication of contract award, requests a debriefing.
- Recourse to unsuccessful Bidders**
- 42.4 Upon the successful Bidder's furnishing of the performance security and signing the Contract Form pursuant to ITB Clause 44, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 21.4.
- 43. Signing of Contract**
- 43.1 Promptly after notification, the Purchaser shall send the successful Bidder the Agreement and the Special Conditions of Contract.
- 43.2 Within twenty-one (21) days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
- 44. Performance Security**
- 44.1 Within twenty one (21) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section IX Contract forms, or another Form acceptable to the Purchaser. The Purchaser shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and

discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 21.4.

- 44.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

SECTION II - BIDDING DATA SHEET

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

[Instructions for completing the Bidding Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses].

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: <i>Banaskantha District Cooperative Milk Producers' Union Ltd., Palanpur</i>
ITB 1.1	The name and identification number of the NCB are: <u>NCB 4VBMPS BMCUs 2019</u> The number, identification and names of the lots comprising this NCB are: <u>NCB 4 VBMPS BMCUs 2019</u>
ITB 2.1	The Borrower is Government of India
ITB 2.1	The name of the Project is: National Dairy Plan I (National Dairy Support Project).
ITB 4.3	A list of firms debarred from participating in World Bank projects is available at http://www.worldbank.org/debarr

B. Contents of Bidding Documents	
ITB 7.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Attention: A.M.(PURCHASE) Address: <i>Purchase Department, Banaskantha District Cooperative Milk Producers' Union Ltd., Banas Dairy,</i> City: <i>Palanpur</i> ZIP Code: <i>385001</i> Country: <i>India</i> Telephone: <i>+91 02742 253881 to 85 ext.:216/217</i> Facsimile number: <i>+ 91 02742 252723</i> Electronic mail address: tender@banasdairy.coop
C. Preparation of Bids	
ITB 11.1(i)	The Bidder shall submit the following additional documents in its bid: <ul style="list-style-type: none"> • Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 12, 14, and 15; • Tender fees, in cases where tender document downloaded from our website. • Bid Security, in accordance with ITB Clause 21, if required; • written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 22; • Any other supporting document required in the BDS. • Documents for Conformity of Goods and related services • Supporting Documents against Post Qualification requirement • Deviation/Non-Compliance Statement(as per Annexure B) Drawing of BMC Tank whole tank and Drawing of Condensing Unit should be attached for our knowledge purpose.
ITB 13.1	Alternative Bids <i>shall not be</i> considered.
ITB 14.5	The Incoterms edition is Incoterm 2010.
ITB 14.6 (a) (iii)	"Final destination (Project Site)": Village Level based Dairy Cooperative Societies(DCS) as per annexure-A
ITB 14.6 (c)	Bidders may check if any exemption under GST is available or not. PMU, NDDDB or EIA would not be responsible for any exemption.

ITB 14.7	The prices quoted by the Bidder “ <i>shall not</i> ” be adjustable.
ITB 18.3	Period of time the Goods are expected to be functioning (for the purpose of spare parts): <i>10 years</i>
ITB 19.1 (a)	DELETED
ITB 20.1	The bid validity period shall be 120 days.
ITB 20.3	DELETED
ITB 21.1	a) Bid Security shall be in the form of DD OR BANK GUARANTEE issued by any Nationalized/Scheduled Bank in India. Bid shall include a Bid Security (issued by bank or surety) included in Section IV Bidding Forms;
ITB 21.2	The amount of the Bid Security shall be: Rs. 4 lakhs . It should be in favour of Banaskantha District Cooperative Milk Producers’ Union Ltd., payable at Palanpur .
ITB 22.1	In addition to the original of the bid, the number of copies is: Two
D. Submission and Opening of Bids	
ITB 23.1	Bidders “ <i>shall not</i> ” have the option of submitting their bids electronically.
ITB 23.1 (b)	If bidders shall have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: <i>Not Applicable</i> .
ITB 23.2 (c)	The inner and outer envelopes shall bear the following additional identification marks: <u>NCB 4 VBMPS_BMCUs_2019</u>
ITB 24.1	For bid submission purposes, the Purchaser’s address is: Attention: <i>A.M.(PURCHASE)</i> Address: <i>Purchase Department ,PO BOX NO.20,BANASKANTHA DISTRICT COOPERATIVE MILK PRODCURS’ UNION LTD, BANAS DAIRY ,PALANPUR-385001</i> Floor-Room number: <i>FIRST FLOOR, MAIN ADMINISTRATIVE BUILDING</i> City: <i>PALANPUR</i> ZIP Code: <i>385001</i> Country: <i>INDIA</i> The deadline for the submission of bids is: Date: <i>19/04/2019</i> Time: <i>2.30PM</i>
ITB 27.1	No Pre Bid Meeting
ITB 27.1	If electronic bid submission is permitted in accordance with ITB sub-clause 23.1, the specific bid opening procedures shall be: <i>Not Applicable</i>

E. Evaluation and Comparison of Bids	
ITB 36.3(a)	Evaluation will be done on lot basis considering the entire supply as 1 lot. Evaluation will be done on the basis of total bid price (for all items together) and any other charges but excluding GST(Taxes)
ITB 36.3(d)	The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria: (a) Deviation in Delivery schedule: No. (b) Deviation in payment schedule: No.
ITB 36.4	(a) Evaluation will be done on the basis of Total Bid Price excluding GST(Taxes). (b) No price adjustment will be allowed during the period of execution of contract.
ITB 36.6	Bidders <i>shall not</i> be allowed to quote separate prices for one or more lots.
F. Award of Contract	
ITB 41.1	The maximum percentage by which quantities may be increased is: <i>15%</i> The maximum percentage by which quantities may be decreased is: <i>15%</i>

SECTION III. EVALUATION AND QUALIFICATION CRITERIA

Contents

1. Evaluation Criteria (ITB 36.3 {d})
2. Multiple Contracts (ITB 36.6)
3. Postqualification Requirements (ITB 38.2)

1. Evaluation Criteria (ITB 36.3 (d))

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 14.6, one or more of the following factors as specified in ITB Sub-Clause 36.3(d) and in BDS referring to ITB 36.3(d), using the following criteria and methodologies.

- (a) Delivery schedule (as per Incoterms specified in the BDS)

The Goods specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section VI, Delivery Schedule. No credit will be given to deliveries before the earliest date, and bids offering delivery after the final date shall be treated as non responsive.

- (b) Deviation in payment schedule.

No deviation in payment terms is acceptable. Bids with deviation in payment terms shall be treated as non-responsive.

2. Multiple Contracts (ITB 36.6): No

The Purchaser shall award contract to the Bidder that offers the lowest evaluated and meets the post-qualification criteria (this Section III, Sub-Section ITB 38.2 Post-Qualification Requirements)

3. Postqualification Requirements (ITB 38.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 37.1, the Purchaser shall carry out the postqualification of the Bidder in accordance with ITB Clause 38, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

- (a) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): *[list the requirement(s)]*

The eligible bidders may be those who have an annual turnover not less than Rupees 20 (Twenty) crore or equivalent to Indian Currency in each of preceding 3 financial years.

Only Manufacturer will be allowed to participate against this Tender.

Joint ventures will not be allowed.

- (b) Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): *[list the requirement(s)]*

Bidder should have already supplied more than 850 BMCs of all capacities to other milk co-operative union/Producer companies/Federation in india only(Exports will not be considered) in the same name during the last 3 financial years.(Cumulative basis)

- (c) The Bidder must furnish details of supplies made by him in the last five years in proforma attached in Section VI and other supported documents to demonstrate that bidder is meeting Post Qualification requirement.

SECTION IV – BIDDING FORMS

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Manufacturer’s Authorization.....	Error! Bookmark not defined.

BIDDER INFORMATION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

NCB No.: *[insert number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
3. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
4. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
5. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
6. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law and not dependent agency of borrower or sub-borrower or purchaser, in accordance with ITB Sub-Clause 4.5.

BID SUBMISSION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

NCB No.: *[insert number of bidding process]*

Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services *[insert a brief description of the Goods and Related Services]*;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies]*;

The Total Price of Bid Excluding GST is Rs. _____

The Total Price of Bid Inclusive of GST is Rs. _____

- (d) The discounts offered and the methodology for their application are:

Discounts. If our bid is accepted, the following discounts shall apply. *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

Methodology of Application of the Discounts. The discounts shall be applied using the following method: *[Specify in detail the method that shall be used to apply the discounts]*;

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 20.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 24.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 44 and GCC Clause 17 for the due performance of the Contract;
- (g) We, including any subcontractors or suppliers for any part of the contract, have nationality from eligible countries

- (h) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- (i) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared ineligible by the Bank, under the Purchaser’s country laws or official regulations, in accordance with ITB Sub-Clause 4.6;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate “none.”)

- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (m) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.
- (n) We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely, “Prevention of Corruption Act 1988.”

Signed: *[insert signature of person whose name and capacity are shown]*
 In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

PRICE SCHEDULE

Date: _____ NCB No: _____ Alternative No: _____ Page N ^o _____ of _____								
1	2	3	4	5	6	7	8	9
Line Item No	Description of Goods	Delivery Date	Quantity and physical unit	Unit price EXW	Total EXW price per line item (Col. 4x5)	Price per line item for inland transportation, insurance and other services required to convey the Goods to their final destination	GST payable per item if Contract is awarded (in accordance with ITB 14.6(a)(ii))	Total Price per line item (Col. 6+7)
<i>[insert number of the item]</i>	<i>[insert name of Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert EXW unit price]</i>	<i>[insert total EXW price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[insert sales and other taxes payable per line item if Contract is awarded]</i>	<i>[insert total price per item]</i>
1	BMCU OF 3KL with accessories as per technical specification		4 Numbers					
2	DG set of 25 kva capacity for 3 KL BMC		4 Numbers					
3	Solar Water Heating System of 500 Ltr Capacity for 3 KL BMC		4 Numbers					
4	BMCU OF 5KL with accessories as per technical specification		10Numbers					
5	DG set of 25Kva capacity for 5 KL BMC		10Numbers					

	Solar Water Heating System of 500 Ltr Capacity for 5 KL BMC		10Numbers					
7	BMCU OF 10KL with accessories as per technical specification		6 Numbers					
8	DG set of 62.5Kva capacity for 10 KL BMC		6 Numbers					
	Solar Water Heating System of 500 Ltr Capacity for 10 KL BMC		6 Numbers					
							Total Price for Goods (A) Excluding GST	
							Total GST Amount	
							Total Price for Goods (A) Inclusive of GST	

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

PRICE AND COMPLETION SCHEDULE - RELATED SERVICES

Date: _____ NCB No: _____ Alternative No: _____ Page N° _____ of _____						
1	2	3	4	5	6	7
Service N°	Description of Services (excludes inland transportation and other services required in India to convey the goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price	Total Price per Service (Col. 5*6)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at place of final destination per Service]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per item]</i>	<i>[insert total price per item]</i>
1	<p>For 3 KL</p> <p><i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i></p>		AS PER ANNEXURE-A	04 Number		

2	For 3 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>		AS PER ANNEXURE-A	04 Number		
3	For 3 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>		AS PER ANNEXURE-A	04 Number		
4	For 5 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>		AS PER ANNEXURE-A	10 Number		
5	For 5 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>		AS PER ANNEXURE	10 Number		
6	For 5 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>		AS PER ANNEXURE	10 Number		

7	For 10 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>		AS PER ANNEXURE	06 Number		
8	For 10 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>		AS PER ANNEXURE	06 Number		
9	For 10 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>		AS PER ANNEXURE	06 Number		
				GST		
				Total Price for Related Services (B) Excluding of GST		
				Total Price for Related Services (B) Inclusive of GST		
				Total Bid Price(A+B) Excluding GST		
				Total Bid Price(A+B) Inclusive of GST		

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

BID SECURITY (BANK GUARANTEE)

[The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[insert Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: *[insert name and address of Purchaser]*

Date: *[insert date]*

BID GUARANTEE No.: *[insert bid Guarantee number]*

We have been informed that *[insert name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated *[insert date]* (hereinafter called "the Bid") for the execution of *[insert name of Contract]*.

Furthermore, we understand that, according to your conditions, bids must be supported by a Bid Guarantee.

At the request of the Bidder, we *[insert name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount in figures expressed in the currency of the Purchaser's Country or the equivalent amount in an international freely convertible currency]*, *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Bid Submission Form; or
- (b) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity as stated in the Bid Submission Form or extended by the Employer at any time prior to expiration of this period, (i) fails or refuses to execute the Contract, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB, and (iii) does not accept the correction of Bid price pursuant to ITB Clause 31.

This Guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful; or (ii) forty-five days after the expiration of the Bidder's Bid.

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

[Signature(s) of authorized bank's representative(s)]

SECTION V. – ELIGIBLE COUNTRIES

Public Information Center

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

1. In accordance with Para 1.8 of the Guidelines: Procurement under IBRD Loans and IDA Credits, dated May 2004, the Bank permits firms and individuals from all countries to offer goods, works and services for Bank-financed projects. As an exception, firms of a Country or goods manufactured in a Country may be excluded if:

Para 1.8 (a) (i): as a matter of law or official regulation, the Borrower's Country prohibits commercial relations with that Country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of the Goods or Works required, or

Para 1.8 (a) (ii): by an Act of Compliance with a Decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that Country or any payments to persons or entities in that Country.

2. For the information of borrowers and bidders, at the present time firms, goods and services from the following countries are excluded from this bidding:¹

- (a) With reference to paragraph 1.8 (a) (i) of the Guidelines: NIL
- (b) With reference to paragraph 1.8 (a) (ii) of the Guidelines: NIL

PART 2 - SUPPLY REQUIREMENTS

SECTION VI – SCHEDULE OF REQUIREMENTS

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1. LIST OF GOODS AND DELIVERY SCHEDULE

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Site) Destination as specified in BDS	Delivery (as per Incoterms) Date			
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]	Bid Security in Indian Rupees
<i>[insert item No]</i>	<i>[insert description of Goods]</i>	<i>[insert quantity of item to be supplied]</i>	<i>[insert physical unit for the quantity]</i>	<i>[insert place of Delivery]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	
1	BMCU OF 2KL with accessories as per technical specification	0	Number	AS PER ANNEX URE-A	After ONE months from the date of Purchase Order(PO) release	THREE months from the date of Purchase Order(PO) release		Rs.4 Lac
2	DG set of 12.5 kva 3-phase capacity for 2 KL BMC							
3	Solar water heating system of 500Ltr.capacity for 2 KL BMC							
4	BMCU OF 3KL with accessories as per technical specification	4	Number Number					
5	DG set of 25 kva capacity for 3 KL BMC							

6	Solar water heating system of 500 Ltr.capacity for 3 KL BMC							
7	BMCU OF 5KL with accessories as per technical specification	10	Number					
8	DG set of 25Kva capacity for 5 KL BMC							
9	Solar water Heating system of 500Ltr. capacity for 5 KL BMC							
10	BMCU OF 10KL with accessories as per technical specification	06	Number					
11	DG set of 62.5Kva capacity for 10 KL BMC							
12	Solar water Heating system of 500Ltr. capacity for 10 KL BMC							

2. List of Related Services [ITB Clause 14.6(b)] and Completion Schedule

Service	Description of Service	Quantity ¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>
1	For 2 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>	00	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
2	For 2 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>	00	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
3	For 2 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>	00	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release

4	For 3 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>	04	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
5	For 3 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>	04	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
6	For 3 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>	04	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
7	For 5 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>	10	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
8	For 5 KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>	10	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release

9	For 5 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>	10	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
10	For 10 KL <i>Performance or supervision of the on-site assembly and/or start-up of the supplied Goods Included installation, commissioning, calibration of BMC tank, Lag-locking photos at the time of commissioning. During warrantee period every three month need temperature indicator calibration by master sample and issue certificate to society.</i>	06	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
11	For 10KL <i>Furnishing of detailed operations and maintenance manual in Gujarati/English for each appropriate unit of supplied Goods</i>	06	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release
12	For 10 KL <i>Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods</i>	06	Number	As mentioned in Annexure A	Within THREE months from the date of P.O. release

3. TECHNICAL SPECIFICATIONS

Technical Specification for Bulk Milk Cooler (2KL, 3KL, 5KL)

Bulk Milk Cooler:

1.0 GENERAL DESCRIPTION AND SCOPE OF WORK:

- (a) The design, supply, installation and commissioning of bulk milk cooler (BMC) including all accessories and optional components etc are included in the scope of work and is to be executed on turnkey basis. The operating conditions in villages are hot, humid, dusty and with fluctuating voltages of 150 to 310 V for single phase and 350 to 480 V for 3 phase.
- (b) The BMC shall be a complete unit with the refrigeration system, agitator, lockable inlet & outlet valve & union. Also included are supply of SS piping & milk hose 10 M long of food grade quality , unions and milk transfer pump, erection materials, pipe supports, floor plates, pipe clamps. The scope includes electrical & control panels and interconnecting cables, cable conduits, earth pit pipes with remove-able cover & earthing chambers as required by local electrical regulation.
- (c) The indicative distances between BMC outlet to milk pump inlet is 3 m, BMC to Mains power point & DG set – 20 m can be considered for calculating cable & SS piping requirement, supports etc. However, the exact distances shall be as per site conditions. Complete piping & cabling actually necessary for installation shall be supplied.
- (d) The bidder's scope starts from can tipping bar/balance tank/milk pump & SS piping to inlet of the BMC for receiving the milk (as the case may be for a specific site). From BMC, the milk shall be transferred to Road Milk Tanker (RMT) through SS Piping & food grade quality flexible hose of adequate length and milk pump installed at milk collection centre near BMC. For some installation of 0.5KL and 1KL milk is fed directly to inlet of BMC through a SS Funnel.
- (e) The total job is on turnkey basis and includes supply, installation, testing, commissioning, training of the field personnel.

For all closed type units above 2KL, we require Auto CIP system only as per below specification

##Specification of Auto CIP

WASH - Recirculation washing system Management of washing by electronic programmer

MAIN FUNCTIONS Washing

cycles

- Prerinse - non recycled cold water,
- Prewash - recycled hot water,

- Wash - hot water with automatic cleaner product intake,
- Prerinse- non recycled cold water,
- Rinse - recycled cold water,
- Sanitizing - Rinsing with sanitizer
- Easy access to components
- Washing system designed to be frost-free,
- User controls-Washing on-off button,
- Digital data display, active function and fault function

S. No	Particulars	Technical Specifications
2.0 BULK MILK COOLER TANK:		
2.1	Standard applicable and cooling time required at 38 Deg. C ambient conditions	ISO 5708 Type 2 II (latest version) for 2 milk collections: a) Cooling 50% of first milk collection of its rated capacity in 3 hrs from 35 Deg C to 4 Deg C b) Cooling of 100 % of milk volume after 50% of milk is added from second milk collection (average temp 10 Deg C to 4 Deg C) in 1 hr 30 minutes
2.2	Rated Capacity – Litres	/2000L/3000L/5000L for 2 milk collection
2.3	Gross Capacity - Litres	+10% of Rated Capacity- Litres (must be 10% more than rated capacity)
2.4	Material of Construction	AISI 304 (refer 2.8 & 2.9 below)
2.5	Type	<ul style="list-style-type: none"> • Open type for BMC capacity 2 kL. Closed type for BMC capacity 3 kL and above
2.6	Tank evaporator	<ul style="list-style-type: none"> • The tank evaporator plate should have adequate surface area ensuring that the milk is cooled in the local ambient conditions of 38 Deg. C and in the time periods as specified above. • Laser welded with Operating pressure of 30 bars and crash test pressure of 60 bars. In case of rectangular/circular type bulk milk cooler, the evaporator shall be fixed at the bottom plate of the inner tank. • For 2000, 3000 & 5000 litre tanks the total evaporative area shall be divided and separated into two sections. Each section shall have separate suction & discharge ports connecting to each compressor.
2.7	Tank orientation	<ul style="list-style-type: none"> • The preferred shape of the tank shall be

S. No	Particulars	Technical Specifications
		<p>circular/horizontal rectangular with an openable & lockable top cover up to 2000 litre capacity.</p> <ul style="list-style-type: none"> For 3000/5000 litre BMC, tanks shall be completely closed type in cylindrical/ elliptical orientation with circular/elliptical dish ends and manhole of size 450 mm minimum on top with lockable cover. The shape of the BMC tank shall conform to international sanitary design.
2.8	Evaporator plate thicknesses	<ul style="list-style-type: none"> For 0.5, 1 & 2kL BMCUs - 2 mm Bottom and 0.8 mm Top For 3 kL & 5 kL BMCUs - 2 mm Bottom and 0.8 mm Top
2.9	Thickness of Inner and Outer shell of tank	<ul style="list-style-type: none"> Open Type (0.5kL, 1kL and 2kL) both inner & outer : 1.6 mm Close Type (3kL & 5kL) inner 2.0 mm; outer : 1.6 mm
2.10	Agitators	1 OR 2 / Standard/ ISO 5708 Type 2 II (latest version) compliance ensuring even distribution of the milk fat when milk is agitated.
2.11	Ball Feet	AISI 304 adjustable ball feet tamper proof and lockable with 50mm height adjustment. (Preferred 4 nos. for BMC up to 2 kL and 6 nos. for capacities 3kL and above).
2.12	Tank Fittings & Accessories	<p>OPEN TYPE BMC (up to 2 kL)</p> <ul style="list-style-type: none"> Milk inlet opening with SS 304 lockable cover. Open type tank with Pump feeding system shall be provided . All SS fittings shall be of SMS standard. Top cover lifting handle, outlet valve and blank union. Locking arrangement to be provided for top cover & Outlet valve <p>CLOSED TYPE BMC (above 3 kL)</p> <ul style="list-style-type: none"> "No- foam" type inlet Outlet valve with locking arrangement and blank union. All SS fittings shall be of SMS standard. Air vent in SS construction with vermin proof design Top Manhole with locking arrangement. SS Ladder to be provided for approaching top manhole.
2.13	Type of Insulation	Injected, CFC Free PUF 40 kg / Cu. m.
2.14	Thickness of insulation	40 kg/Cu. m density, 50 mm (min.) in the walls & 90 mm below the evaporator to allow 1 Deg. C

S. No	Particulars	Technical Specifications
		temperature rise at given ambient conditions in 4 hours after milk is brought to 4 Deg. C. and when the BMC is not operating
2.15	Efficiency of Insulation	0.019 W-m/k
2.16	Facility to measure milk volume	1 no. Dip Stick of AISI 304 3mm thick on wall of tank. Calibration accuracy- 0.5%. Laminated & Framed calibration chart. Hooks to be provided on both the sides of the open type tank.
2.17	Product contact surface	2 B Finish
2.18	Weld surface finish	min. 150 Grit, all joints minimum 25mm radius curvature
2.19	Tank cleaning Brushes	<ul style="list-style-type: none"> • 1 tank cleaning brush and one 1500 mm long pipe cleaning brush. • 4 No. SS pipe hooks to be provided for 0.5kL/ 1kl/2kl BMC • 6 No. SS pipe hooks for 3kl/5kl BMC
2.20	CIP Facility	<ul style="list-style-type: none"> • Manual CIP Cleaning by brush for open type tanks • Spray balls for closed type tanks. • For open tank all piping circuit including hose and tank will be cleaned by circulation of cleaning solution from balance tank & back to balance tank. • For closed type tanks, facilities for cleaning in place shall be provided which include CIP spray balls & SS Piping from balance tank through milk pump to BMC and back to balance tank.
2.21	Top cover opening limit switch	Required for open type 0.5, 1 & 2 kL BMC
2.22	Milk Tank Controls Panel	Required
.1	Wall or Tank mounted	To be specified by bidder
.2	MOC of Panel & thickness	AISI 304 / 1.6mm
.3	Temperature Display	LCD- 0 to 100 Deg. C with one decimal accuracy
.4	Cooling & agitation controls	Required – controls for management of cooling control and agitation, provision for cut-off/ restart, intermittent operation of agitator, auto & manual facility
.5	Battery back-up	Required
.6	RS 232 port for Temperature sensor	RS 232 connectivity for temperature data transfer shall be provided.

S. No	Particulars	Technical Specifications
2.23	Refrigeration Controls Panel	Required
.1	Wall mounted	Wall mounted
.2	MOC of Panel & Thickness	AISI 304 / 1.6mm
.3	Rating of Contactors	Standard to meet functional requirements of the Refrigeration Control Panel
.4	UV/OV trip facility	Required
.5	Neutral Protection unit	Required
.6	Timer On-Delay	Required
.7	Auto/manual Mode (Selector Switch)	Required
2.24	Servo Voltage Stabilizer	Required for stabilizing the power supply to BMC from grid or DG set
.1	Voltage range	<ul style="list-style-type: none"> • 150 to 310 V for single phase and • 350 to 480 V for three phase BMC
.2	Rating	<ul style="list-style-type: none"> • 10kVA-1 Phase for 1kl BMC, • 15kVA-1 or 3 Phase for 2kl BMC, • 20kVA-3 Phase for 3kl BMC and • 25kVA-3 Phase for 5kl BMC
.3	MOC, thickness & type of structure	MS Powder coated, 1.6 mm. & pipe structure
.4	Accessories for 1 phase stabilizer	63A MCCB for incoming, 63A phase selector, change-over and bypass switch, LED lamps, Servo controlled correction transformer, Digital V,I,F indicator for input & output, 63A terminal blocks, OV/UV trip with delay time, single phase preventer, static type energy meter with 10-60A capacity. Brass metal glands, MCB's (DP 63A - 2 nos., DP 32A - 1 no, DP 16A-1 no), Metallic pump socket, Servo Motor.
.5	Accessories for 3 phase stabilizer	40A MCCB for incoming, 40A phase selector, change-over and bypass switch, LED lamps, Servo controlled correction transformer, Digital V,I,F indicator for input & output, 63A terminal blocks, OV/UV trip with delay time, single phase preventer, static type energy meter with 10-60A capacity. Brass metal glands, MCB's (TPN 40A - 2 nos., TPN 32A - 1 no, TPN 16A-1 no), Metallic pump socket, Servo Motor.
.6	Operating features	Cable entry from top, response time-5 milliseconds, should withstand 150% load on surge duty, capacity of terminals should be 150% of rated current, Dimmer with CRGO core, separate Auto/manual facility, plug in type control card for each phase,

S. No	Particulars	Technical Specifications
		correction speed-105v/s, Efficiency-99.5%
2.25	Earthing	<p>As per IS: 3043 - 1987 (reaffirmed 2001) - "Code of practice for earthing". Pipe type earthing with funnel at top - 4 nos. to be provided with distance between each pit as per local statutory requirement. Suitable G I Strip (minimum 25x3 mm) to be used for connecting earth pit with nearest equipment earthing point. From this point earthing to other points can be looped by suitable GI Strip or PVC insulated copper conductor cable of green color (size minimum 1x 4 Sq. mm).</p> <p>The scope of work includes excavation for the earth pit, construction of suitable chamber, filling with necessary materials (e.g. charcoal & salt) and complete with cover.</p> <p>Supplier will test and demonstrate the resistance as per local EB requirement and furnish record as required.</p>

S. No.	Description	Specification Requirement
3.0 REFRIGERATION UNIT		
3.1	Standard adopted for conditions of 38 Deg. C ambient	ARI Standard 520-2004 applicable for refrigeration units operating at higher ambient temperature conditions. To facilitate for milk collection of BMCs operating as per ISO 5708 Type 2 II standard.
3.2	Design Parameters	0 Dec. C evaporation and applicable discharge temperature at minimum 60 Deg. C condensing temperature
3.3	Type	Direct Expansion
3.4	Type of Refrigerant	Freon 22 or CFC Free refrigerant.
3.5	Cooling Capacity of each Compressor	<ul style="list-style-type: none"> • Adequate capacity to ensure milk cooling time periods specified and ambient conditions of 48 Deg. C mentioned above. • Compressor selected should be compatible for multiple refrigerants including future refrigerant R 407 C
3.6	Number of Compressor	<ul style="list-style-type: none"> • 1kL - One and • for 2kL to 5kL – Two
3.7	Type of Compressor	Hermetically sealed Scroll energy efficient
3.8	Type of Condenser	Air Cooled. Condensing temperature should not be less than 55 Deg C.
3.9	Condenser surface area	Design and provide substantially adequate condensing area to meet functional requirements of the refrigeration unit in very hot conditions specified above.
3.10	Receiver volume	<ul style="list-style-type: none"> ● 1kL - One and 4 Ltrs minimum. ● for 2kL and 3kL - One and 6 Ltrs minimum. ● for 5kl - One and 8 Ltrs minimum.
3.11	Condenser Fan	With internal thermal protection device. Enclosure shall be of metal
3.12	Pump down system	Required
3.13	Protective Grill	To provide removable wire mesh screen in front of condenser fins
3.14	Expansion Valve	Thermostatic expansion valve with MOP (minimum operating pressure)

S. No.	Description	Specification Requirement
3.15	Drier, solenoid valve, Sight Glass, Fan and receiver	Required for safe and efficient operation of the unit
3.16	Accessories	<ul style="list-style-type: none"> Isolation valves at suction & discharge sides of the compressors, All pipes, valves, fittings & controls shall comply with the latest relevant National or International code applicable, Copper piping between BMC and condensing unit shall be supported/routed by cable tray and cable tray supports.

S.	Description	Specification Requirement
4.0 MILK PUMP FEEDING SYSTEM FOR ACCESSORIES		
4.1	Balance Tank with SS strainer (for 2kL and above)	The tank and strainer to be fabricated out of 1.6 mm SS304 sheet General arrangement Drawings shall be approved by customer.
4.2	Balance Tank Capacity	Minimum 220 L
4.3	Tank accessories	<ul style="list-style-type: none"> Adjustable ball feet (Min. 50mm vertical) SS removable cover with handles, SS strainer made from 1.6 mm thick SS plate with perforated plate having 2 mm dia. holes (removable type), Outlet to end in cup type for easy draining of milk and CIP solution.
4.4	SS 304 Milk Pump	Centrifugal in SS construction Make:- Fristam/ Zeutech/IDMC / Alfa laval/swastik
4.5	Flow Rate	<ul style="list-style-type: none"> 5000 LPH for 1kL & 2kL BMC and 15000 LPH for 3kL & 5kL BMC
4.6	Head in mwc	10 mtr.
4.7	Pump inlet/outlet	<ul style="list-style-type: none"> 38/38mm with SMS unions for 1kL & 2kL, 38/51MM with SMS Union for 3kL & 5kL

S.	Description	Specification Requirement
4.8	Pump Accessories	<ul style="list-style-type: none"> • Adjustable ball feet (min. 50mm), • One spare mechanical seal to be provided. • Motor having 'E'/'F' class insulation and having IP 55 protection. • Pump shall have SS shroud. • Should have internal thermal protection. • DOL starter for operation
4.9	Food grade tanker loading/unloading hose pipe	<ul style="list-style-type: none"> • 10 meters length and Size 38 mm
4.10	Strainer	<ul style="list-style-type: none"> • S.S. 304 Disc Filter 38mm with S.S. Filter Element & Expandable Unions complete at both sides

S. No	Description	Specification Requirement
5.0 WATER HANDLING SYSTEM FOR BMC		
5.1	Water Pump	Mono block for filling the Over Head tank.
5.2	Capacity	0.5 HP, 10 mwc
5.3	Waterline schematic indicating valves/fittings etc	The Over head tank to supply water to BMC for cleaning and washing.
5.4	HDPE water tank 1000L	<ul style="list-style-type: none"> The tank shall conform to ISI :12701/96 rotational molded polyethylene (HDPE) heavy duty, hygienic construction, closed type with manhole for cleaning & maintenance Tank shall be provided with additional drain valve for overhaed tank cleaning purpose.
5.5	System Interconnecting Piping	Piping for cold water should be of UPVC ISI marked. Piping is required between cold water tank outlet and other point in BMC area.

S No	Particulars	Works required to be carried out
7.0 INSTALLATION, COMMISSIONING, TRIAL RUNS AND PUTTING THE BMCU IN OPERATION ON MILK		
7.1	Installation of BMCU and supporting accessories.	<ul style="list-style-type: none"> The installation work should be carried in the best workman like manner in conformity to the relevant codes of practices of BIS standards applicable for mechanical & electrical installation. Installation of all equipment & interconnecting piping, including minor civil works such as earthing pit & chamber, providing stainless steel pipe supports, SS base plates, clamps, valves, unions etc. required to secure the equipment & piping to walls and floors is to be provided. Supply, laying, connecting, terminating all necessary electrical and control cables through the cable trays, GI pipes/conduits, cable gland sockets at ends, isolators, junction boxes etc are included in the scope of the work. Cable trays and supporting steel members such as Galvanized angles /channel / flats shall be used and fixed/installed at appropriate places to ensure safe installation.

S No	Particulars	Works required to be carried out
7.2	Interconnecting piping for the entire plant	<ul style="list-style-type: none"> • SS 304 piping 38 mm dia., 1.6 mm thick • Provide and install extended pipe for connecting milk hose for milk tanker loading – unloading
7.3	Cables & Electrical	<ul style="list-style-type: none"> • For all electrical cables, suitable water tight cable glands and lugs should be used at ends. Specification for PVC insulated cables (for voltage up to 1100V): Part 1 with copper conductor (revised). • Flexible electrical connections shall be made only to items normally movable in service. Such flexible shall be PVC insulated copper conductor cable not less than 24/0.20 mm in size (see IS 694 (Part1-1964*) and earth continuity conductors of PVC insulated copper conductor shall be provided. • Bidders shall provide an ELCB of suitable capacity with Each BMC.
7.4	Tool box with required tools	A standard tool box of GI sheet with necessary tools for normal maintenance. It should include Electric Tester, Screw Driver Set, Allen Key 3mm & 6mm, Pipe Wrench 12" Long, Screw Spanner 6", Fix spanner Set 6-27, Gasket for SS Unions/valves- 3 sets
7.5	Operation manuals	2 sets i.e. one in Gujarati language and one in English
7.6	P & I Drawing for the complete system offered	Drawing to be provided
7.7	Commissioning	Supplier shall arrange commissioning & performance trial runs of the bulk milk cooling system ensuring that BMC meets all performance parameters.. In case of unavailability of Milk, Supplier has to take trial on Water.
7.8	Training	Supplier shall arrange for training of the operating team of DCS for efficient operation and maintenance of the complete system for 3 days.

S No	Particulars	Works required to be carried out
7.9	Warranty	All equipment (including bought out items) supplied & installed by the contractor shall have a comprehensive warranty of 18 Month from date of commissioning or 24 months from the date of supply, whichever is earlier.
7.10	Placement of service Engineer	One resident service engineer to be posted for 50 BMC is to be posted by the supplier for effective and timely after sales service.
7.11	Inspection	Client reserves right to inspect all the components of the bulk milk cooling system during fabrication/ manufacturing stage, finished stage before dispatch of the equipments. The milk cooling tank shall be checked with dye penetration test for welding defect, surface roughness check, water tightness test / hydraulic test.

Specifications of 10 KL BMCUs

Constructional Features

- **1.1 Bulk Milk Cooling Tank**
- **1.1.1 Material of construction**
- Tank inner, outer, intermediate dimpled jacket & top openable cover shall be fabricated from Stainless Steel AISI 304 material. All piping, fittings, filter body, lockable cover, agitator shaft & blade adjustable ball feet, dip stick, outlet & inlet valves & blank flanges shall also be made out of AISI 304. The filter screen shall be from AISI 304 fine wire mesh. All the gaskets shall be of food grade nitrile or neoprene rubber material. The skid on which tank & refrigeration unit is mounted shall be of galvanised steel. The bottom evaporation surface in contact with milk shall be passivated by standard treatment to impart corrosion resistance.
- **1.1.2 Shape & Orientation**
- The preferred shape of the tank shall be closed type elliptical with top man hole in case of BMCs higher than 2000 lit capacity.
- **1.1.3 Tank Fittings & accessories**
- The tank shall be provided with no-foam inlet, outlet valve & blank union with locking arrangement, inspection window/ manhole with locking arrangement, agitator, and top cover with locking arrangement.
- All SS fittings shall be of SMS standard. Top cover lifting handle and approach ladder for manhole cover shall be an in-built feature of the unit. The tank shall be provided with AISI 304 adjustable ball feet having provision of 50 mm height adjustment. Number of ball feet shall be minimum 4 for small capacity tank and 6-8 for bigger tank.

- The tank shall be equipped with agitator(s) capable of producing a uniform distribution of fat in the milk.
- The tank shall be provided with SS calibrated dipstick to measure the volume of milk inside the tank.
- A union with a blind SS plate should be provided so as to plug the outlet valve of the tank to prevent entry of unwanted materials.
- At the bottom of the outlet cup on the outer surface, a temperature sensor shall be permanently fixed. It shall sense the temperature of the surface at the outlet and transmit the signal to the digital indicator. The temperature indicator shall be provided in the control panel.

- A bubble type level indicator shall be fitted on the top surface of the bulk milk cooler tank so that at any point of time the tank can be checked for its proper levelling. The indicator shall be fitted in such a way that they are easily accessible and does not get damaged due to the top cover movement.

- **1.1.4 Milk Filter**

- Each system shall be provided with two AISI-304 filters with SS fine wire mesh suitable to filter extraneous matter such as dust particles, hay, flies, cow dung pieces / particles etc. One filter shall be on balance tank and the other at the inlet of the bulk milk cooler. The filter shall be designed and installed in such a way that it can frequently and easily be cleaned and sell be provided extra SS Strainer on 200 Ltr balance tank.

- **1.1.5 Stainless Steel Process Pipe and Fittings**

- Stainless Steel AISI 304 process pipe shall be used for milk transfer from balance tank to Bulk Milk Tank either gravity flow or through SS sanitary milk pump and CIP line. The pipe shall be welded type having minimum 2.0 mm thickness. Inside of the tube shall be acid pickled and outer surface mirror polished. All bends and Tees required to complete milk and CIP lines shall also be manufactured from the prime quality process tube as described above. All the valve and fittings required shall be AISI 304 SMS standard made out of entire investment casting or forging. The milk contact surface shall be ground smooth or lapped, having minimum surface roughness 150 grit. The outer surface shall be mirror polished. Material of gasket for milk application shall be neoprene / nitrile rubber. The required number of two way / three way valves should be provided. There should be adequate pipe up to the Tanker loading of the milk collection center for easy unloading into tankers. At every three meter pipe a union shall be provided so as to facilitate manual cleaning. 1 feet S.S. plate should be supply for BMCU leg foundation and the plate thickness should be 6mm in each leg. S.S. pipe should be fitting with hinge type clamps.

- **1.1.6 Stainless Steel Sanitary Milk Pump**

- A suitable capacity milk pump shall be supplied for pumping of milk from balance tank to BMC and unloading of milk from BMC to milk tanker. Pump impeller & casing shall be made out of SS AISI 304 material. All milk contact surface shall be finished to min.150 grit. The pump should be of sanitary design. Inlet & outlet of the pump shall ends with SMS union. The pump shall be provided with approved make motor having E/F class insulation and IP 55 protection. The flanged end motor shall have stainless steel shaft having hygienic mechanical sealing arrangement to prevent leakage from pump casing to rotor side of the motor. Pump shall be covered with SS shroud having air ventilation grill. The pump shall have SS adjustable ball feet. Make of

1.1. 7	Strainer	<ul style="list-style-type: none"> • S.S. 304 Disc Filter 51mm with S.S. Filter Element & Expandable Unions complete at both sides
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the pump shall be approved by the DAIRY. The pumps should work on the three phase RPM 15000 LPH/ 10MWC supply in case of 10000L.

2. Refrigeration System

- The refrigeration system shall be designed to comply with ISO/R1662 and to meet the requirements of milk tank (ISO 5708, Class 2A II- Latest Version). The refrigeration system shall be of **direct expansion type**, with Freon-22 (R-22) or CFC free environmental friendly refrigerant to cool the raw milk from reception temperature to 4 Deg. C in the prescribed time frame mentioned at **3.2.1**. The evaporator(s) of the refrigeration system shall form a part of the milk tank body as dimpled jacket in the bottom plate in case of rectangular open tank or at least up to 1/3rd height of the elliptical (closed) tank. Preference shall be given to systems which would be compatible for the Futuristic Refrigerant(R 407 C).

2.1 Compressor

- The refrigeration compressor (s) shall be scroll type suitable for Indian climatic conditions. The motor of the compressor should have a thermistor temperature sensor embedded in windings for protection from excessive heating due to overloading or short-circuiting. Similarly, a protection against off cycle migration of refrigerant to the compressor be necessary in the refrigeration unit, preferably a self-regulating PTC crank case heater.
- Client shall approve Emerson Climate Technologies Make(s) of the compressor & condensing unit. The compressors selected should be energy efficient and consume least power to meet the cooling load requirements.
- For three phase compressor motors, star /delta starters will be preferable to reduce the starting current. **Separate price must be quoted for star -delta starters.**

2.1.1 Condenser

- The condenser shall be air cooled finned tube type having sufficient heat transfer area when the unit is operating at extremely high ambient temperature. The air circulation fan shall be induced draft type throwing hot air out of the place of installation. There should be a provision for safety cover for the unit and Copper piping.

2.1.2 Insulation

- The insulation of the tank shall be done by injection, in situ, of high density (minimum 40 kg/m³, CFC free and environmental friendly) polyurethane foam without having any imperfection and hygroscopicity. The efficiency of insulation should be such that at max 50 degree C. ambient temperature, the rate of rise of the mean temperature of the

milk, initially at about 4 Deg. C shall not exceed by one Deg. C in four hours when the rated volume is allowed to stand undisturbed as per the requirement of ISO 5708 2A II (latest version) when the refrigeration unit is not working.

- **2.1.3 Cleaning In Place (CIP)**

- For closed type configuration, facilities for Cleaning- In- Place shall be provided which shall include CIP spray ball (s) and piping from milk reception/balance tank through milk transfer pump to bulk milk cooler.
- For top openable configuration, facilities for manual cleaning shall be provided with AISI-304 tank of 50-lit capacity for preparation of CIP solution.
- As mentioned at clause 4.2 above, solar water heater must be provided for supply of hot water for manual cleaning as well as CIP and auto CIP system should be given for 3000L, 5000L and 10,000L.

- **2.1.4 Welding & Finishing**

- Inner, outer, intermediate dimpled jacket and nozzle connections shall be welded with TIG process only. The inner shell and all other product contact surface shall be polished up to minimum 150 grit finish. The outer surface to be polished with 150 grit dull finish or a circle finish.

- **2.2 Receiver**

- For refrigeration circuit a minimum 6 Litre liquid receiver to assist system during pump down cycle as well as to store refrigerant in case of maintenance should be provided duly mounted on the skid near compressor(s).

- **2.2.1 Thermostatic Expansion Valve**

- Suitable size and capacity Thermostatic valve should be provided in the refrigeration circuit of the bulk milk cooler. The TX valve should be Maximum Operating Pressure type of reputed make and of adequate capacity to feed optimum quantity of refrigerant to the evaporator.

- **2.2.2 Evaporator**

- In case of rectangular type bulk milk cooler, the evaporator shall be dimpled jacket fixed as the bottom plate of the inner tank. Whereas in cylindrical/ elliptical tank the jacket shall be at least up to 1/3 height of the tank. The gap between inner shell and jacket plate shall be such that maximum heat transfer takes place in direct expansion of the refrigerant in the jacket. The zigzag path for refrigerant travel shall be designed in such a way so that it reaches upto the extreme corner of the bottom plate. In

case of double compressor, total evaporator area shall be divided and separated into two sections. Each section shall have separate suction & discharge connecting to each compressor. The evaporator surface in contact with the milk should be passivated by standard treatment to impart corrosion resistance. The Evaporator plate should be laser welded.

- **2.2.3 Refrigerant pipe, fittings & controls**

- All pipes, valves, fittings & controls shall comply with the latest relevant code applicable. Isolation valves at suction & discharge sides of the compressors should be provided for compressor isolation, during maintenance of the system. The make of each item shall be approved by the client. Copper/ SS tubing shall be routed in such a way that if any leakage occurred during operation can easily be detected and the defective portion can be repaired/ replaced without dismantling the whole system. All the pipes shall be clamped properly with fixed support. In case of double compressor system, pipe, fitting & control should be designed in such a way that both the compressors can run independently. The tubing shall be insulated wherever necessary.

3. Electrical Control Panel

- **3.1 Control Panel**

- Three control panels shall be provided, one for the main power supply tapping, second for the refrigeration unit and the third for the milk tank. Each panel shall be provided with ELCB+ MCB's of suitable ratings for switching and protection as per the system requirement. The incoming and outgoing power supply terminals shall be covered and 'secured with a lead seal to prevent tampering. The door of the panels should be provided with lockable handles. The MOC of all control panels shall be SS 304.

- **3.1.1 Main Control Panel**

- This panel should be suitable to tap the incoming State Electricity Board supply and feed the refrigeration unit, agitator motor and milk unloading pump (from balance tank) and dispatch pump. The DG set should be hooked up with this panel through a '**change-over-switch**' in order to operate the DG set in place of State Electricity Board supply as & when required. It should be provided with necessary phase indication lamps (LED type), contactors, MCBs, ammeter, voltmeter, energy-meter, frequency-meter, push buttons, DG set running hour meter etc. A battery charger to
- Trickle charge the battery when the DG set is in operation (charge indications shall be displayed on the panel) should be provided. Voltage stabiliser (servo type) and single-phase preventer, wherever applicable, of suitable ratings should be supplied. The supplier should find out

the voltage variation in the State Electricity supply in the region before supplying the equipment. The voltage variation from the State Electricity supply may be assumed between 150 & 310 volts in case of single phase and between 350 & 500 volts in case of three phase mains supply.

- **3.1.2 Refrigeration Control Panel**

- The refrigeration unit shall be provided with a control panel made out of Stainless Steel suitable for wall mounting near the unit. The panel shall be provided with motor starters, ON/OFF push buttons & necessary MCBs, control wiring, line voltage controller to guard the compressor against the supply voltage fluctuations. In case more than one compressor is provided in the refrigeration system, the control panel shall be provided with a sequence controller & timer to start one compressor at a time to avoid surge on power supply. The panel shall also have facility to operate refrigeration unit on auto/ manual mode. In the auto mode, as soon as the milk temperature reaches to pre-set value, the compressor should be switched off to avoid freezing of milk.

- **3.1.3 Milk Tank Control Panel**

- The milk tank shall be provided with a wall mounted control panel with timer to control the intermittent operation of the agitator & a digital temperature indicator (with a battery back-up) to indicate the milk temperature to one decimal place with least count of 0.1 ° C on continuous basis. In case of power failure alternate arrangement should be available to know the temperature (stem thermometer). It shall include MCBs etc as required for switching & protection. The agitator(s) shall have interlocking arrangement with top cover opening limit switch. The limit switch shall put off the agitator as soon as the top cover opens up.

- **3.1.4 Cables & Electrical Switch gears**

- All electrical switchgears and controls required for the complete system shall be of reputed make and of suitable rating & use for copper wire.

3. Water

- **4.1 Water for cleaning**

- A 1000 litre capacity overhead tank - closed type with manhole for maintenance only Sintex Brand Name make(doubled walled) - moc- HDPE with necessary GI B class pipe of ½” along with single phase monoblock pump for filling of the overhead tank from the main supply is in the scope, The scope also includes GI B Class piping from overhead tank to a convenient point near the BMC.

3. Installation, Commissioning & Training

Installation

- Installation of all equipment, including minor civil works such as providing galvanised steel supports, clamps etc. required to secure the equipment to walls and floors, necessary conduit to lay & connect all electrical and control circuits is included in the scope. Major civil works will be undertaken by the owner. All tools & tackles required to execute the job shall be made available by the supplier.

Commissioning

- Supplier shall arrange commissioning & performance trial runs of the bulk milk cooling system to the satisfaction of the client. All the consumables required during commissioning of the plant shall be supplied by the supplier.

Training

- Supplier shall arrange for training of the team of DCS staff for efficient operation and maintenance of the complete system.

4. Spares

- Along with the bulk milk cooler & DG Sets etc, the bidder shall supply spares for two years trouble free operation of the complete system.
- The list of spares to be supplied with the system shall be finalized by client along with prices. Separate price shall be given in the bid for this.

5. Tool Box

- A GI sheet toolbox containing one set of all necessary tools required for regular maintenance of the unit shall be supplied along with the BMC. (1.Set of Spanners (All Required for maintenance), 2.Hamer, 3.Plier, 4.Screw Drive, 5.Union Spanners)

6. Manual

- Two sets of operation & maintenance manual, one in English & another in local language containing complete details of starting up , putting off , critical checks and day to day maintenance of the complete system shall be supplied. The manual should also have the required electrical circuit diagrams.

7. General Requirement 9.1

Technical Details

- The bidder shall provide all the technical details, as per the format enclosed as appendix over and above the general description in each section.

Makes of Items

- The bidder shall provide a comprehensive list of makes of all the bought out items fitted in the bulk milk cooling system. It is to be ensured that all the makes considered shall be of internationally / nationally reputed and of proven quality. Manufacturing of all these items shall be in accordance to the relevant international /national code. The bidder should mention at least one alternative make with complete details. Bidder shall obtain necessary approval from client for makes of all bought out items.

Drawing

- Bidder shall submit a detailed general arrangement drawing for complete system giving complete details with bill of materials, size, capacity, quantity, material of construction, thickness etc.

Equipment Selection criteria

- Bidder shall submit along with the offer detailed calculations with proper justification for selection of compressor (s), evaporator (s), condenser (s), fan (s), thickness of tank, milk pump, insulation material and thickness, DG Set etc.

10 Other optional items:**Level transmitter / indicator**

- A diaphragm type level transmitter shall be fitted in the bulk cooler tank which shall send a signal in the form of 4-20 mA to the computing/indicating unit and shall indicate/display the total quantity of milk in liters in the bulk cooler tank. The system shall be calibrated during the commissioning of the bulk milk unit.

Design Requirement

- The system should be complete sealed and temper proof and should ensure that the balance of the unit is not disturbed after installation. There should be provision of checking the balance of the Tank at the time of taking Weighment.
- The systems should be designed to take care of at least 150% Overload of the rated Gross Capacities of the respective Bulk Milk Cooler.
- The system should have one suitably placed 25 mm Letter height 7 segment LED indicator. The length of the cable may vary from one DCS to another and the same will be in the scope of the supplier.
- The system should be provided with a suitable battery backup for at least 24 hours.
- The system should enable auto calibration of the unit.
- The system should be designed to ensure complete overload and shock protection.

Specifications of Solar Water Heating Systems: 500 Ltr. capacity solar water heating system used for,2kl,3kl 5kl & 10kl Capacity BMCs

PARTICULARS	BANAS REQUIREMENT
Capacity	500 Litres per day
Hot water temperature	60Deg. C with overnight temperature drop less than 4 C
Evacuated tubes	Double walled hard borosilicate glass tube with 1.6 mm thickness having 1.0 MPa resistant. Special three layer selective coating consist of stainless steel, copper and aluminium. Absortivity > 92% and Emittance < 7%
Storage tank	Inner tank Material -G.I.
	Sheet Thickness-2.5 mm
	Welding type and class-Tig. in Cell & Mig. in dished end
	outer sheet Material-G.I.
	Sheet Thickness-0.40 mm
	Outer dish Material-G.I.
	Thickness-0.45 mm
	Inner tank coating-welding area marine grade epoxy two pack
	Inner tank coating scale/thickness-upto 150 micron
	Maximum allowable working pressure-0.5kg/cm ²
	Inner & outer seal-Inner silicon & outer PVC
Tank insulation	Weight of tank with outer cover& insulation for 120 to 125 Kg for 500 lpd
System Stand	High density 50 mm thick CFC free PUF insulation of 35-42 Kg/m ³ with outer cladding of Zinc Alum steel.
Nos. of tube	2.5 & 1.6 mm G.I. angle with powder coating for Long life and easy assembly
Anode protection	Mini 50 nos. for 500 LPD
Tube dimensions (proposed)	Magnesium / Aluminium alloy.
Tube coating	length -1800 mm , OD- 58
Thermal Expansion	AI-N/AI
Vacuum	3.3 X 10 ⁻⁶
Heat loss	P < 5X10 ⁻³ Pa
Stagnation temperature	< 0.7 W/m ² C
Flow rate	1550 C
System height from roof top	0.10 LPM/Tube / 15 LPM
Electric heater	1.3 m for 300 stand / 1.6 m for 420 stand
Warranty	3.0 kw with thermostat to ensure hot water need during non sunny days
Expected lifetime	Min 7 years
Cold water piping	25 years
	Supply and installation of 25 mm PVC Pipe of Standard Make without insulation with required ISI mark elbow as per requirement and layout of VCS

Hot water piping	Supply and installation of 25 mm GI B class make TATA/JINDAL with required ISI mark elbow duly insulated with 50 mm Rockwool and cladded with 24 SWG aluminum sheet as per requirement and layout of VCS
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Specifications of DG Sets:

Technical Specification of D.G.SET	
Particulars	Banas Required
Engine Make	Cummins/Kirloskar/Greaves cotton/Mahindra/Ashok Layland/Escort/Eicher
Engine Features	Up to 15 KVA : 2 Cylinder -4 stroke Diesel Engine From 20 to 25 KVA : 3 Cylinder -4 stroke Diesel Engine From 30 KVA & above : 4 Cylinder -4 stroke Diesel Engine ----- BHP @ 1500 RPM (Supplier to provide details) Water Cooled/Air cooled Turbo charger with after cooler (for 40 KVA and above) BS: 5514/ISO 3046, Class-A2-Mechanical governor Tank capacity :----- Liters (Supplier to provide details) Overload capacity on 01 Hrs in any 12 Hrs continues duty At full load (1) Diesel consumption Lit./Hr..... Recommended Lub oil
Alternator Make	STAMFORD / KIRLOSKAR / LEROY SOMER/MECCALTE
Alternator Features	Single Bearing, Self Excited, Self Regulated in Brush less construction IP 23 Enclosure Class H Insulation for stator and rotor winding BS 5000 / IS 4722
Sound Attenuated System	Sound level <75 dBA average at 1 meter distance (ISO 8528 PT 10) The enclosure should meets the norms as specified by CPCB. Sheet thick-16 SWG MS CRCA Acoustic material of-96 Kg/M3 density of 100 mm thick coated with fiber glass cloth Attenuated having inbuilt minimum Diesel tank in base rail./or for 08 Hrs operation, Base plate with Anti Vibration Pads
Control Panel	Microprocessor based Engine Management System (For 30 KVA & above) Separate control panel shall be provided with suitable size 3 Pole-MCCB & Change over switch as per Required DG.SET capacity of Reputed Make (If applicable).

	Make : L&T/Siemens/ABB and digital KWH Meter, Make : Conserv/Trinity/Meco/schinder
Water Cooling/Air cooling	
Electrical starting Equipment with Battery	Suitable size battery of standard make, Nos :----- and AH : ----- with auto battery charger. There also provide facility of battery charging If not use of DG.SET. (Supplier to provide details)
Canopy Size	
Installation and commissioning	Unloading, lifting / shifting and final placement of DG set is in the scope of supply, Installation of DG set in all respect including is in the scope of supply, All electrical work including power and control cabling from DG SET to control panel is in the scope of supply. (Maximum distance between DG set & Control Panel is to be consider 15 Meter),From output of MCCB purchaser shall connect power cable for further distribution. supplier shall be installed 4 nos. earthing (2 nos copper for neutral & 2 nos GI Earthing for body)
Warranty/Gaurantee	Dg set shall be used as a stand by therefore warranty should be five years or 2000 hours (whichever is earlier).supplier shall be supplied filters/spares along with DG set for troubleshoot operation up to five years.

4. DRAWINGS

These Bidding Documents includes *[insert “the following” or “no”]* drawings.

[If documents shall be included, insert the following List of Drawings]

List of Drawings		
DRAWING NR.	Drawing Name	Purpose

5. INSPECTIONS AND TESTS

The following inspections and tests shall be performed:

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, the Purchaser may 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. PROFORMA OF CERTIFICATE FOR ISSUE BY THE PURCHASER AFTER SUCCESSFUL INSTALLATION AND STARTUP OF THE SUPPLIED GOODS

[This is to be attached for supply, erection, supervision of erection and startup contracts only]

No.

Date:

M/s.

Sub: Certificate of startup of the supplied Goods

1. This is to certify that the plant/s as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para No. 2) and a set of spares in accordance with the Contract/Specifications. The same has been installed and commissioned.

- (a) Contract No. _____ dated _____
- (b) Description of the plant _____
- (c) Plant Nos. _____
- (d) Quantity _____
- (e) Rail/Roadways Receipt No. _____ dated _____
- (f) Name of the consignee _____
- (g) Date of start up and proving test _____

2. Details of accessories/spares not yet supplied and recoveries to be made on that account.

<u>S. No.</u>	<u>Description</u>	<u>Amount to be recovered</u>
---------------	--------------------	-------------------------------

3. The proving test has been done to our entire satisfaction and operators have been trained to operate the plant.

4. The supplier has fulfilled his contractual obligations satisfactorily. *

or

The supplier has failed to fulfill his contractual obligations with regard to the following:

- (a)
 - (b)
 - (c)
 - (d)
5. The amount of recovery on account of non-supply of accessories and spares is given under Para No. 2.
6. The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature _____

Name _____

Designation with Stamp _____

* Explanatory notes for filling up the certificates:

- (a) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to Technical Specifications.
- (b) He has supervised the startup of the plan in time i.e., within the period specified in the contract from the date of intimation by the Purchaser in respect of the installation of the plant.
- (c) Training of personnel has been done by the supplier as specified in the contract
- (d) In the event of documents/drawings having not been supplied or installation and startup of the plant have been delayed on account of the supplier, the extent of delay should always be mentioned.

7. PERFORMA FOR PERFORMANCE STATEMENT

[Please see ITB Clause 38.2 and Section III-
Evaluation and Qualification Criteria]

Proforma for Performance Statement (for a period of last three/five years)

Bid No. _____ Date of opening _____ Time _____ Hours

Name of the Firm _____

<u>Order placed by</u> <u>(full address of</u> <u>Purchaser)</u>	<u>Order No. and</u> <u>date</u>	<u>Description and</u> <u>quantity of</u> <u>ordered</u> <u>equipment</u>	<u>Value of order</u>	<u>Date of completion of delivery</u>		<u>Remarks</u> <u>indicating reasons</u> <u>for late delivery,</u> <u>if any</u>	<u>Has the equipment</u> <u>been satisfactorily</u> <u>functioning? (Attach a</u> <u>certificate form the</u> <u>Purchaser/Consignee)</u>
1	2	3	4	As per contract	Actual	7	8

Signature and seal of the Bidder _____

8. DECLARATION FOR CLAIMING EXCISE DUTY EXEMPTION

-DELETED-

(Name of the Project)

Bid No.
Description of item to be supplied

(Information for issue of certificate for claiming exemption of Excise Duty (ED) in terms of Central excise notification No. 108/95)

(Bidder's Name and Address):

**To
(Name Of
Purchaser)**

.....

Dear Sir:

- 1. We confirm that we are solely responsible for obtaining deemed export benefits which we have considered in our bid and in case of failure to receive such benefits for reasons whatsoever, Purchaser will not compensate us.
- 2. We are furnishing below the information required by the Purchaser for issue of necessary certificate in terms of Central Excise notification no 108/95.

- (i) Ex-factory price per unit on which ED is payable: *Rs. _____
- (ii) No of Units to be supplied: _____

- (iii) Total cost on which ED is payable (Rs.) _____

(The requirements listed above are as per current notifications. These may be modified, if necessary, in terms of the rules in force)

(Signature) _____
(Printed Name) _____
(Designation) _____

(Common Seal) _____

** Please attach details item-wise with cost, if there are more than one item. The figures indicated should tally with what is given in the price schedule.*

PART 3 – CONTRACT

SECTION VII – GENERAL CONDITIONS OF CONTRACT

Section VII. General Conditions of Contract

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Section VII. General Conditions of Contract

1. Definitions

The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Bank” means the World Bank and refers to the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
- (b) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (e) “Day” means calendar day.
- (f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) “GCC” means the General Conditions of Contract.
- (h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (i) “Purchaser’s Country” is India.
- (j) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the SCC.
- (k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, start-up, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (l) “SCC” means the Special Conditions of Contract.

- (m) “Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (o) “The Project Site,” where applicable, means the place named in the SCC.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Fraud and Corruption

3.1 If the Purchaser determines that the Supplier or its agents (whether declared or not), sub-contractors, sub-consultants, service providers, and any personnel thereof has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 35 shall apply as if such termination had been made under Sub-Clause 35.1.

(a) For the purposes of this Sub-Clause:

- (i) “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party ;
- (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation ;
- (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party ;
- (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or

indirectly, any party or the property of the party to influence improperly the actions of a party ;

- (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under Clause 11 [Inspections and Audits by the Bank].

3.2 Should the Supplier or its agents (whether declared or not), sub-contractors, sub-consultants, service providers, and any personnel thereof be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice, the Bank will sanction a firm or individual, at any time, in accordance with prevailing Bank’s sanctions procedures, including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated sub-contractor, consultant, supplier or services provider of an otherwise eligible firm being awarded a Bank-financed contract.

4. Interpretation

- 4.1 If the context so requires it, singular means plural and vice versa.
- 4.2 Incoterms
 - (a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
 - (b) The terms EXW and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

4.2 Entire Agreement

The Contract constitutes the entire agreement between the

Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.3 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.4 Nonwaiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.5 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be English. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Deleted

7. Eligibility

- 7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be

deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.

7.2 All Goods and Related Services to be supplied under the Contract and financed by the Bank shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

8. Notices

8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term “in writing” means communicated in written form with proof of receipt.

8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

9. Governing Law

9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Union of India.

10. Settlement of Disputes

10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.

10.3 Notwithstanding any reference to arbitration herein,

(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

(b) the Purchaser shall pay the Supplier any monies due the

Supplier.

- 11. Inspections and Audit by the Bank** 11.1 The Supplier shall permit the Bank and/or persons appointed by the Bank to inspect the Supplier's offices and/or the accounts and records of the Supplier and its sub-contractors relating to the performance of the Contract, and to have such accounts and records audited by auditors appointed by the Bank if required by the Bank. The Supplier's attention is drawn to Clause 3, which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility under the Procurement Guidelines).
- 12. Scope of Supply** 12.1 The Goods and Related Services to be supplied shall be as specified in the Special Condition of Contract.
- 13. Delivery and Documents** 13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.
- 14. Supplier's Responsibilities** 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
- 15. Contract Price** 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the **SCC**.
- 16. Terms of Payment** 16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.
- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16.4 The payments shall be made in Indian Rupees to the Supplier under this Contract.

16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

16.6 Invoices to be raised in the name of our Union.

16.7 All taxes should be charged in Invoice.

17. Taxes and Duties

The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

18. Performance Security

18.1 If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.

18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

18.3 As specified in the **SCC**, the Performance Security shall be denominated in the Indian Rupees, and shall be in one of the format stipulated by the Purchaser in the **SCC**, or in another format acceptable to the Purchaser.

18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

19. Copyright

19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party

20. Confidential Information

20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding

the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.

20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.

20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:

- (a) the Purchaser or Supplier need to share with the Bank or other institutions participating in the financing of the Contract;
- (b) now or hereafter enters the public domain through no fault of that party;
- (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
- (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications

22.1 Technical Specifications and Drawings
(a) The Goods and Related Services supplied under this Contract

and Standards

shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.

- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

- 23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Purchaser.

24. Insurance

- 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

25. Transportation

- 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.

26. Inspections and

- 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the

Tests

Goods and Related Services as are specified in the **SCC**.

- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance

by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

28.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period 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.

**29. Patent
Indemnity**

29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Purchaser shall indemnify and hold harmless the Supplier

and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

- 30.1 Except in cases of criminal negligence or willful misconduct,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

31. Change in Laws and Regulations

- 31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in India, where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

32. Force Majeure

- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the

result of an event of Force Majeure.

- 32.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition 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.

**33. Change Orders
and Contract
Amendments**

- 33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and
 - (d) the Related Services to be provided by the Supplier.
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier’s receipt of the Purchaser’s change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;

(ii) if the Supplier fails to perform any other obligation under the Contract; or

(iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.

(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

35.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 1.1(j)	The Purchaser is: BANASKANTHA DISTRICT COOPERATIVE MILK PRODUCERS' UNION LTD, PALANPUR
GCC 1.1 (o)	The Project Site(s)/Final Destination(s) is/are: AS PER ANNEXURE (A) LIST OF DCS TO WHERE INSTALLATION TO BE DONE
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Inco terms.
GCC 4.2 (b)	The version edition of Inco terms shall be 2010
GCC 8.1	<p>For notices, the Purchaser's address shall be: Attention: A.M.(PURCHASE) Address: <i>PURCHASE DEPARTMENT, PO BOX. NO.20,BANASKANTHA DIST. COOP.MILK PRODUCERS' UNION LTD,BANAS DAIRY,PALANPUR</i> Floor/ Room number: <i>1ST FLOOR , MAIN ADMINISTRATION BUILDING,</i> City: PALANPUR ZIP Code: 385001 Country: INDIA Telephone: 02742 253881 TO 85 EXT:216/316 Electronic mail address: tender@banasdairy.coop</p>

<p>GCC 10.2</p>	<p>Settlement of Disputes</p> <p>The dispute settlement mechanism to be applied shall be as follows:</p> <p>(a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the *Indian Council of Arbitration/president of the institution of Engineers (India)/The International center for Alternative Dispute Resolution (India).</p> <p>(b) In the case of a dispute with a Foreign Supplier, the dispute shall be settled in accordance with provisions of UNCITRAL (United nations Commission on International Trade Law) Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the parties, and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the *Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre of Alternative Dispute Resolution (India).</p> <p>(c) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the *Indian Council of Arbitration/president of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India), both in cases of the Foreign supplier as well as Indian supplier, shall appoint the arbitrator. A certified copy of the order of the *Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Disputes Resolution (India), making such an appointment shall be furnished to each of the parties.</p>
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	<p>(d) Arbitration proceedings shall be held at Palanpur, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.</p> <p>(e) The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.</p> <p>(f) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the *Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India).</p> <p>(g) Except otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute</p>
GCC 12.1	<p>The scope of supply for the Goods and Related Services to be supplied shall be as specified below: <i>As per schedule of requirement and schedule of related services</i></p>

<p>GCC 13.1</p>	<p>Details of Shipping and other Documents to be furnished by the Supplier are given below:</p> <p>GCC 13.1 Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser :</p> <ul style="list-style-type: none"> (i) 3 Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount; (ii) Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee; (iii) 3 Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii) Certificate or origin. (viii) Supplier should give the test certificate of S.S-304 And Food grade quality hose pipe test certificate. (ix) supplier should also give the temperature indicator certificate (calibration certificate) in every three months during warranty period (x) Supplier also submits the BMC. lag-locking photos and BMC tank gauge calibration certificate at the time of commissioning by the authorize stamp & sign. (xi) As per GPCB norms whole of the system of BMCU'S with all accessories must be qualified in GPCB terms & conditions and supplier will also provides the GPCB certificate of 50 quantities. <p>The above documents shall be received by the Purchaser before arrival of the Goods (except where it is handed over to the Consignee with all documents) and if not received, the supplier will be responsible for any consequent expenses.</p>
<p>GCC 15.1</p>	<p>The prices charged for the Goods supplied and the related Services performed "<i>shall not</i>" be adjustable.</p>

GCC 16.1	<p>GCC 16.1 Payment shall be made in Indian Rupees in the following manner:</p> <p>(i) Eighty(80) percent of the Price of Goods received under each Purchase Order for each progressive delivery shall be paid by Banas Dairy within thirty(30)days of receipt of the Goods and Upon submission of the documents specified in Clause 13 of SCC,</p> <p>(ii) <i>On Final Acceptance</i>: Balance Twenty (20) percent for each progressive delivery to be paid within 30 days of the Acceptance Certificate issued by the Purchaser’s representative in the Performa given in Section VI-item 6.</p>
GCC 16.5	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 30 days. The interest rate that shall be applied is 8%.</p>
GCC 18.1	<p>Performance Security to the Purchaser shall be for an amount of 5% of the contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations for each respective items. Here Performance Security of each item shall be submitted separately of amount 5% contract value of each respective item.</p>
GCC 18.3	<p>The Performance Security shall be in the form of a “Bank Guarantee” drawn in favor of the Purchaser.</p>
GCC 18.4	<p>Discharge of the performance Security shall take place not later than 60 days following the date of completion of the Supplier’s performance obligations, including the warranty obligation, under the contract</p>
GCC 18.5	<p>Add as Clause 18.5 to the GCC the following:</p> <p>In the event of any contractual amendment, the Supplier shall, within 28 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty obligations.</p>
GCC 23.2	<p><u>Packing Instructions</u>: The Supplier will be required to make separate packages for each Consignee. Each package will be marked on three sides with proper paint/indelible ink with the following:</p> <p>(i) Project; (ii) Contract No.; (iii) Country of Origin of Goods; (iv) Supplier’s Name; (v) Packing List Reference Number.</p> <p>Suppliers should use recycled materials as much as possible for packing</p>
GCC 24.1	<p>The insurance shall be paid in an amount equal to 110 percent of the EXW value of the Goods from “Warehouse to warehouse (final destination)” on “All Risks” basis including War Risks and Strikes.</p>

GCC 25.1	The Supplier is required under the Contract to transport the Goods duly insured to the specified final destination, and all related costs shall be included in the Contract Price.
GCC 26.1	The inspections and tests shall be: → Nature- inspection of Goods of BMC . Frequency- At the time of installation & commissioning of BMC. Procedures- Banas dairy officer's and Company technician both together inspect the Goods of BMC. → Nature- Test- Performance test of BMC. Frequency- Six months after the installation & commissioning of BMC Procedures- Banas dairy officer's and Company technician both together will take the performance test of BMC. In performance test, time of cooling & unit consumed by BMC will be take in calculation. After this test, conclusion showing the result of BMC.
GCC 26.2	The Inspections and tests shall be conducted at: <i>As per Annexure A</i>
GCC 27.1	The liquidated damage shall be: 0.5% of contract price per week or part thereof.
GCC 27.2	The maximum amount of liquidated damages shall be: 10% of the contract price.
GCC 28.3	The period of validity of the Warranty shall be: For BMCU: The warranty should be 24 months from the date of supply & 18 months from the date of commissioning whichever is earlier. For Solar Water Heating System Min.7Years For DG set : DG set shall be used as a stand by therefore warranty should be 5 years or 2000 hours (whichever is earlier).Supplier shall be supplied filters/spares along with DG set for trouble shout operation up to 5 years. For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>As per Annexure A</i>
GCC 28.5	The period for repair or replacement shall be <u>within 24 hours</u> . <i>If complaint will not resolve within 24 hours, supplier must pay the Amount in form of penalty of Deteriorated milk quantity & also pay the transportation cost of milk send by cans.</i>
GCC 31.1	This clause will apply only to variations in GST/VAT/Sales tax/ Octroi etc payable in India on the final product which is being supplied and not for the individual components / raw materials which go into the product.

SECTION IX – CONTRACT FORMS

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1. CONTRACT AGREEMENT

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the *[insert: **number**]* day of *[insert: **month**]*, *[insert: **year**]*.

BETWEEN

- (1) *[insert complete name of Purchaser]*, a *[insert description of type of legal entity, for example, an agency of the Ministry of of the Government of { insert name of Country of Purchaser }, or corporation incorporated under the laws of { insert name of Country of Purchaser }]* and having its principal place of business at *[insert address of Purchaser]* (hereinafter called “the Purchaser”), and
- (2) *[insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at *[insert: address of Supplier]* (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement
 - (b) Special Conditions of Contract
 - (c) General Conditions of Contract
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
 - (e) The Supplier’s Bid and original Price Schedules
 - (f) The Purchaser’s Notification of Award
 - (g) *[Add here any other document(s)]*

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

2. PERFORMANCE SECURITY

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*
ICB No. and title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)² in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,³ and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

[signatures of authorized representatives of the bank and the Supplier]

² *The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.*

³ *Dates established in accordance with Clause 17.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 15.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: " We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."*

Annexure-A“Final destination (Project Site)” :LIST OF VILLAGE LEVEL DAIRY COOPERATIVE SOCIETIES(VDCS) TO WHERE BMCUS(2KL,3KL,5KL & 10KL) TO BE INSTALLED

File vise no.	Society Code	DCS Name	taluko	District	Tharav Capacity (Lt)
1	614	ODHA M.P.C.S.LTD	DEODAR	BANASKANTHA	10000
2	158	ADHAGAM M.P.C.S.LTD	DEODAR	BANASKANTHA	10000
3	345	JAKHEL M.P.C.S.LTD	KANKREJ	BANASKANTHA	10000
4	355	SONY M.P.C.S.LTD	DEODAR	BANASKANTHA	10000
5	372	DHARADRA M.P.C.S.LTD	VAV	BANASKANTHA	10000
6	677	RAMPURA MOTA	DHANERA	BANASKANTHA	10000
7	615	KUVARVA(DI) M.P.C.S.LTD	DEODAR	BANASKANTHA	3000
8	2462	ARBUDANAGAR (NONOTA) SUCHIT MAHILA	KANKREJ	BANASKANTHA	3000
9	2597	ARBUDANAGAR(JAVANTRI)SUCHIT M.M.P.S	RADHANPUR	PATAN	3000
10	838	BADARPURA M.P.C.S.LTD	RADHANPUR	PATAN	3000
11	1306	MOTI SARIYA(H) M.P.C.S.LTD	KANKREJ	BANASKANTHA	5000
12	1270	NAVOVAS(KOTDAFO) M.P.C.S.LTD	DEODAR	BANASKANTHA	5000
13	798	VACHHARDA M.P.C.S.LTD	VAV	BANASKANTHA	5000
14	908	FANGADI M.P.C.S.LTD	VAV	BANASKANTHA	5000
15	358	SADPURA M.P.C.S.LTD	SANTALPUR	PATAN	5000
16	815	BALODHAN M.P.C.S.LTD	BHABHAR	BANASKANTHA	5000
17	1242	THARA(PATELVAS) M.P.C.S.LTD	KANKREJ	BANASKANTHA	5000
18	1924	MAMAPURA(DHRANDAV) M.C.Center	DEODAR	BANASKANTHA	5000
19	2308	JADI SUCHIT MAHILA M.CO-OP.SOC.	DHANERA	BANASKANTHA	5000
20	611	BARVALA M.P.C.S.LTD	BHABHAR	BANASKANTHA	5000

Note:

- In case of any other deviation not mentioned on this page may lead to disqualifying of Bid
- Mentioning Deviation in above mentioned format does not ensure its acceptance by Banas Dairy
- Above mentioned format is indicative and supplier can furnish above required information in their own format