

TENDER DOCUMENT
FOR
CIVIL & ELECTRICAL WORK TOWARDS ESTABLISHMENT OF 4MT CAPACITY
WALK IN COLD STORE ROOM FOR ICE CREAM & MILK PRODUCT AT VARIOUS
DAIRIES OF OMFED



ESTIMATED COST – Rs.9, 07,200/-

PROJECT DIVISION, OMFED, BHUBANESWAR

The Orissa State Cooperative, Milk Producers' Federation Ltd.
D-2, SAHID NAGAR, BHUBANESWAR-751 007.
Ph No- 2546030/2540273/2540417, Email –: project@omfed.com

JUNE-2026

Cost Rs. 4,000/- +18% GST

Tender Notice for Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED.

Bid Identification No. Proj/283/Cold Store/Dairy Plant/26/Civil & Ele

1. OMFED invites Techno-Commercial tenders from experienced civil contractors for execution of the **“Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED”**.

2. The bidders are required to submit bids for the following items.

Name of work	Estimated Cost (Rs)	Availability of Tender for bidding only at www.omfed.com		Date of opening	Period of Completion
		From	To		
“Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED.”	Rs.9,07,200/-	10:00AM, 01/07/2026	1:00PM, 14/07/2026	3:00PM, 14/07/2026	02 (Two)month

3. Cost of Tender Paper Rs 4720/- inclusive of GST 18% & EMD Rs 18,000/- as specified in (Technical Bid Part-I) shall be deposited through demand draft in favor of OMFED payable at Bhubaneswar or RTGS to OMFED.

4. Bid documents consisting of specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents are available on OMFED web site <https://www.omfed.com>. The corrigendum/amendment to this notice if required shall be published only in the OMFED web site <https://www.omfed.com> and will not be published again in the newspaper.

5. The **Bid documents will be available** on the OMFED web site <https://www.omfed.com> from 10:00AM, 01/07/2026 to 1:00 PM, 14/07/2026. Bidders may download the tender document from the OMFED website and duly sign and fill the bid documents and submit the same to the following address.

**Dy.Manager (Project & DO),
OMFED,D-2, Saheed Nagar,
Bhubaneswar-751007.**

6. The tender paper cost / EMD and Photo Copy of **GST, PAN, Registration Certificate, Turnover Certificate, IT return & other documents as per technical bid** shall have to submit to OMFED, D-2, Saheed Nagar, Bhubaneswar- 751007 within 10:00AM, 01/07/2026 to 1:00 PM, 14/07/2026.

7. Non submission of tender cost of bid document and EMD within the period shall debar the party from participating in the bidding system.

8. Your lowest offer in a sealed envelope must reach us only through post, hand delivery or courier service till 14/07/2026, 2:00PM.

9. The quotation shall be opened on 14/07/2026 at 3:00PM in the Conference hall of OMFED in presence of tender committee members and bidders.

10. The bidder may write the word **“QUOTATION” (“Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED”)** on the upper left of the sealed envelope and send it at following address.

11. Co-Operatives, Govt. bodies, NSIC and MSME registered firms are exempted from submitting required EMD.

12. The Managing Director, OMFED reserves the right to accept/reject any or all the bids without assigning any reason thereof.

13. OMFED reserves the right to increase or decrease the quantity of the tendered items as per the requirement of the Federation.

14. Legal disputes if any concerning of supplied product subject to Jurisdiction of such court as exercising civil jurisdiction of Bhubaneswar only.

**Managing Director
OMFED**

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CHECKLIST TO BE ENSURED BY THE BIDDER

1. Audited profit & loss account statement for the financial year 2022-23, 2023-24, 2024-25 (Three years).
2. Turn over certificate for the financial year 2022-23, 2023-24, 2024-25 (Three years).
3. Copy of IT return for the financial year 2022-23, 2023-24, 2024-25 (Three years).
4. Copy of GST Registration Certificate.
5. PAN Number.
6. Credentials in support towards execution of civil work during last three years of similar nature.
7. Paper cost & EMD should be deposited thorough portal:
<https://tendersodisha.gov.in>.
8. Copy of Civil "C" Class Registration Certificate with OPWD / R & B Deptt. / Irrigation Deptt / Railways / MES.
9. The Civil contractor may submit an agreement in non-judicial stamp paper or MOU with an electrical contractor for execution of the electrical components of the work.

CONTRACT DATA

A. GENERAL INFORMATIONS

Sl. No.	Item	Details
1.	Name of the Work	“Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED”
2.	Employer	OMFED, Bhubaneswar
3.	<u>Estimated Cost</u> Civil Works	Rs.9,07,200/-

B. BID INFORMATION

1	Intended completion period / Time period assigned for Completion	02 (Two) Calendar Month.
2	Last Date & time of submission of Bid	2:00PM, 14/07/2026.
3	Cost of Bid Document	Rs 4000/- + GST @ 18% =Rs.4720/-
4	Bid Security	Rs.18,000/-
5	Bid validity period	120 days
6	Bid Item Rate validity period	365 days
7	Currency of Contract	INR
8	Language of Contract	English

C. CONTACT DETAILS

1	Address	OMFED, D-2, Saheed Nagar, Bhubaneswar-751007
2	Contact Person	Mr. Sudhanshu Panda (Project & DO)
3	Contact No	9437092014

D. Bank Account Details

Bank Account Details of OMFED for RTGS	Bank Name :- Indian Bank Account No :- 922440376 IFS Code:- IDIB000K157 Branch Name :- Kharvel Nagar
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SECTION I
INSTRUCTION TO BIDDER

GENERAL INFORMATION

1.1 NAME OF WORK: Civil & Electrical work towards establishment of 4MT capacity Walk in Cold Store room for Ice cream & Milk product at various dairies of OMFED.

• 1.2 LOCATION AND AREA:

- Balasore Dairy At- Januganj, Po-Remuna, Dist: BalasoreBalasore**
- Sambalpur Dairy At-Gosala, Po-Kalamati, Dist:SambalpurHirakud**
- Rourkela Dairy At-Luakera, Sundergarh Dist:Rourkela**
- Jeypore At-Umari, Koraput, Dist:Jeypore.**

1.3 PERIOD OF COMPLETION

The period of completion shall be **02(Two)** months from the date of notification of award, which shall include the period of commencement and the non-working periods during monsoon and festivals.

1.3.1 IMPORTANT NOTE

- Any circular/office order issued earlier by this federation will not have any binding effect if otherwise not stated in this tender document.
- Period of completion of work is very vital for this project. Time is the essence of the contract and the work has to be carried out strictly as per the scheduled work program.

2.0 DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY & QUALIFICATIONS

2.1 For the purpose of this particular contract bidders shall meet the following criteria as minimum:

1. Audited profit & loss account statement for the financial year 2022-23, 2023-24, 2024-25 (Three years).
2. Turn over certificate for the financial year 2022-23, 2023-24, 2024-25 (Three years).
3. Copy of IT return for the financial year 2022-23, 2023-24, 2024-25 (Three years).
4. Copy of GST Registration Certificate.
5. PAN Number.
6. Credentials in support towards execution of civil work during last three years of

similar nature.

7. Paper cost & EMD should be deposited thorough portal:
<https://tendersodisha.gov.in>.
8. Copy of Civil “C” Class Registration Certificate with OPWD / R & B Deptt. / Irrigation Deptt / Railways / MES.
9. The Civil contractor may submit an agreement in non-judicial stamp paper or MOU with an electrical contractor for execution of the electrical components of the work.

However, the onus and full responsibility for execution of the total work (Civil & Electrical) will be on the civil contractor who will execute the agreement with OMFED. Payment will also be made to the civil contractor only.

3.0 Submission of bids.

3.1 The bidders shall seal the tender documents duly marking the envelopes as Name of the work with Address.

3.2.1 The envelope shall:

(a) The cover shall contain all documents as per Volume-I and the Price Bid Volume-II, shall be sealed.

(b) Be addressed to OMFED at the following address: Odisha State Cooperative Milk Producers ‘Federation limited, D-2, sahid nagar, Bhubaneswar- 751007, Orissa.

(c) Bear the name of the work, bid reference, and the date of opening as mentioned in tender notice.

3.3 The envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late “

3.4 If envelope is not sealed and marked as required by Para. 4.2, the OMFED will assume no responsibility for the bid’s misplacement or premature opening. A bid opened prematurely for this cause will be rejected by OMFED and returned to the bidder.

3.5 Mail, Fax facsimile and incomplete bids shall be summarily rejected.

4.0 Deadline for submission of bids.

4.1 Tender Document may be either submitted in person or may be sent by registered post with acknowledgement due, so as to reach within stipulated date and time as mentioned in tender notice / cover page.

4.2 Tender Document must be received by the OMFED at the address specified under para. 4.3 not later than the time and date specified for receipt of the bids as indicated in the Tender Notice, or as extended by OMFED.

4.3 The OMFED may, at its discretion, extend this deadline for the submission of bids above, in which case all rights and obligations of the OMFED and bidders previously subject to the deadline will thereafter be subject to the new deadline as extended.

4.4 The Federation will not be liable for any postal delay in delivering the tender when the tenders are sent by post.

5.0 Late bids: Any bid received by the OMFED after the deadline for submission of bids prescribed by the OMFED, will be rejected.

6.0 Opening of Bids by OMFED

6.1 The OMFED will open the bids, in the presence of bidders' representatives who choose to attend, at the time and date specified in the tender notice, at the corporate office of OMFED, Bhubaneswar, Orissa. The bidder's representatives who are present shall sign the attendance sheet evidencing their attendance.

6.2 The bidder's names, bid prices, written modifications of bid or withdrawals and the presence or absence of the requisite bid security and such other details as the OMFED, at its discretion, may consider appropriate will be announced at the opening.

6.3 Bids for which an acceptable notice of withdrawal has been submitted shall not be opened. The OMFED will examine the bids to determine whether they are complete, whether the requisite bid security have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

6.4 The OMFED shall prepare, for its own records, the minutes of the bid opening, including the information disclosed to those present.

6.5 The tender, on submission shall become the property of OMFED and the organization shall be under no obligation to return the same to the bidder.

7.0 Bid Validity: i) The tender should be kept valid for a period of 120 days from the date of opening.

ii) The rates ordered by OMFED and accepted by the contractor shall be firm till all the obligations of the contractor, under the contract, are fulfilled to the satisfaction of OMFED.

iii) Each page of the tender document shall be signed by the bidder as a token of having read and understood the clauses of the tender, specifications & requirements of work etc.

8.0 Site visit

The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering into a Contract. The costs of visiting the sites shall be at bidder's own expense.

9.0 The contractor should take all steps to prevent loss, damage or accident to men & materials, structural, decorative properties, adjoining buildings etc. The contractor shall be responsible for making good any such damages, as may occur due to negligence on his part or due to negligence of his workmen, at his own cost and risk. Similarly, the contractor will be solely responsible for any loss or damage to his men & materials arising out of any reason during execution of this work. He shall abide by and comply to all labor laws & rules, as applicable, and OMFED shall not be held responsible for this in any manner.

10.0 The contractor shall submit to the OMFED, if asked for, copies of the license under the Contract labor act, obtained by the Contractor and Provident fund registration number under which the statutory deposits are made by the contractor.

11.0 The quoted rate shall include cost of all materials, labour, scaffolding, supervision, tool and plants, mobilization of resources, fuel, lubricants, fixtures, transport, taxes, royalties, octroi and other local taxes or levies if any etc., and such other costs, as are not specifically mentioned herein but will be required for the satisfactory and timely execution of the work. The glasses, wooden panels, floors & campus, made dirty due to any reason whatsoever are to be washed & cleaned by the contractor on work completion at his own cost. Similarly the site is to be cleaned of any debris, before completion of work, at his own cost. Each tender shall have to submit a declaration to the effect that the tenderer is an experienced and licensed contractor and he has successfully carried out such type of work and has adequate organization and experienced personnel to handle this type of work. If any of the above fact is found to be false at later date, the contract may be canceled along with imposition of penalty for the same as decided by the Federation.

12.0 Quantities: The quantities set out in the Bill of Quantities are the, estimated quantities of the work, and are not to be taken as the actual and exact quantities of the works to be executed by the Contractor in fulfillment of his obligations under the Contract.

13.0 Method of Measurement: The Works shall be measured net, as prescribed in the specification of works, notwithstanding any general or local custom, except where otherwise specifically described or prescribed in the Contract. Wherever not specifically mentioned in the Contract, the mode of measurement as prescribed in the relevant IS code shall be applicable and binding to the contractor. The list of IS code of practices, which shall be referred to in that event, are mentioned in Technical Specifications. Only the latest editions of all the codes of practice including all latest official amendments and revisions shall be applicable.

14.0 Variations

14.1 The Engineer shall make any variations of the form, quality or quantity of the Works or any part thereof that may, in his opinion, be necessary and for that purpose, or if for any other reason it shall, in his opinion be desirable, he shall have power to order the Contractor to do any of the following: -

- a) Increase or decrease the quantity of any work included in the Contract,
- b) Omit any such work,
- c) Change the character or quality or kind of any such work,
- d) Change the levels, lines, position and dimensions of any part of the Works, and
- e) Execute additional work of any kind necessary for the completion of the Works,
- f) Change any specified sequence, method or timing of construction of any part of the works, and no such variation shall in any way vitiate or invalidate the Contract, but the value, if any, of all such variations shall be taken into account in ascertaining the amount of the Contract Price.

14.2 No such variations shall be made by the Contractor without an order in writing of the Engineer. Provided that no order in writing shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an order given under this Clause, but is the result of the quantities exceeding or being less than those stated in the Schedule of Quantities. Provided also that if for any reason the Engineer shall consider it desirable to give any such order verbally, the Contractor shall comply with such order and any confirmation in writing of such verbal order given by the Engineer, whether before or after the carrying out of the order, shall be deemed to be an order in writing within the meaning of this clause.

15.0 Valuation of Variations

15.1 All extra or additional work done or work omitted by order of the Engineer shall be valued at the rates and prices set out in the Contract. If the Contract does not contain any rate or prices applicable to the extra or additional work, the Engineer shall fix such rates or prices based upon the prevailing average rates of labour and material, as shall be applicable for the particular work, in his opinion.

15.2 In case of any class of work for which there is no such specification supplied by the OMFED as is mentioned in the tender documents such work shall be carried out in accordance with Indian Standard Specifications and if the I.S.S. do

not cover the same the work should be carried out as per the standard Engineering practice, subject to the approval of the Engineer.

15.3. In case of default of the contractor, failure or refusal to complete the work within the time specified, OMFED may procure the articles/services to complete the work and hold the tenderer responsible for any excess cost occasioned thereby. Furthermore, the Employer reserves the right to terminate the contract in such cases, and recover the penalty for the same from any amount due to the contractor, or which may become due in future.

16. PERFORMANCE SECURITY DEPOSIT:

- a) A sum of 5% (Five Percent) of the value of work shall be deposited by the successful bidder as security deposit within 15 days.
- b) The Performance Security Deposit can be refunded on submission of a bank guarantee of equivalent amount issued by a Nationalized Indian Bank, valid for 15 months from the date of completion (i.e. 3 months after the Period of Maintenance). The bank guarantee shall be strictly as per the proforma, provided in this tender document. Such bank guarantee shall be released by OMFED after the Period of Maintenance, if all the obligations of the contractor, under the contract have been fulfilled to the satisfaction of OMFED.
- c) The proceeds of the performance security shall be payable to the OMFED as compensation for any loss resulting from the Contractor's failure to complete his obligations under the Contract.
- d) The entire security deposit shall be refunded not later than 06(six) months. from the date of completion of work, if all the obligations of the contractor 11 OMFED CONTRACTOR under the contract has been fulfilled.
- e) No interest is payable by OMFED on the performance security deposit mentioned above.

17.0 Sufficiency of Tender

17.1 The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the Works and of the rates and prices stated in the Schedule of Quantities, which Tender rates and prices shall, except insofar, as it is otherwise provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper execution and maintenance of the Works.

18.0 Inspection of Works

18.1 The OMFED and his representatives shall have full power and authority to enter and inspect the works at any time wherever the work is in progress either on the site or at the Contractor's premises/workshop wherever situated, the work in connection with the Contract may be in hand or wherefrom materials are being produced or are to be supplied, and the Contractor shall afford or procure for the Engineer every facility and assistance to carry out such inspection. The Contractor shall at all times during usual working hours and at all other times at which reasonable notice of the intention of the Engineer or the Engineer's Representative to visit the works shall have been given to the Contractor, either himself be present to receive the orders and instructions, or have a responsible

agent/representative duly accredited in writing present for the purpose. Orders given to the Contractor's agent/representative shall be considered to have the same force as if they had been given to the Contractor himself. The Contractor shall give not less than three days notice in writing to the Engineer's Representative before covering up or otherwise placing beyond the reach of : inspection and measurement any work in order that the same may be' inspected and measured. In the event of breach of the above the same shall be uncovered at the Contractor's expenses for carrying out such measurement of inspection.

18.2 No materials shall be removed from the site before obtaining the approval in writing of the Engineer. The Contractor. is to provide at all times during the progress of the work and the maintenance period proper means of access with ladders, gangway, etc. and the necessary attendance to move and adopt as directed for inspection or measurement of the works by the Engineer's Representative.

18.3 The Contractor shall make available to the Engineer's Representative free of cost all necessary instruments and assistance in checking of setting out of works and checking of any works made by the Contractor for the purpose of setting out and taking measurement of works.

19.0 Issue of Work Order: OMFED shall issue the formal work order in duplicate (along with the bidding document, in duplicate, duly filled in at appropriate places, which shall form an integral part of the order), after receipt of appropriate Performance Security Deposit by the successful bidder. The duplicate copy of the work order and the accompanying bidding document shall be returned by the Contractor within 7 days of its issue, duly signed and sealed in each page as a token of acceptance and the same shall be deemed as the contract for the work.

20.0 Commencement of Works: The Contractor shall commence the Works on Site within 10 days of receipt of the work order and shall proceed with the same with due expedition and without delay.

21.0 Program to be furnished

21.1 The Contractor shall, after the acceptance of his Tender, submit to the Engineer for his approval a program showing the order of procedure in which he proposes to carry out the Works. The Contractor shall whenever required by the Engineer, also provide in writing for his information a general description of the arrangements and methods which the Contractor proposes to adopt for the execution of Works.

21.2 If at any time it should appear to the Engineer that the actual progress of the Works does not conform to the approved program referred to in sub-clause 30.1 of this Clause, the Contractor shall produce, at the request of the Engineer, a revised program showing the modifications to the approved program necessary to ensure completion of the Works within the .time for completion as defined in Clause 63 hereof.

21.3 The submission to and approval by the Engineer of such program or the furnishing of such particulars shall not relieve the Contractor of any of his duties or responsibilities under the Contract.

22.0 PAYMENTS: The contractor shall arrange the measurement of the work in presence of Engineer or his representative, who shall record the same in the Measurement Book, to be signed by both the contractor and Engineer. The Contractor will then submit his bill, made on the basis of the measurements, in four copies to the Engineer. The Engineer will check the bill, put his remarks as to satisfactory completion of the portion of work billed, defects and penalties etc., if any and forward the bill to the Federation office. The payments will be made after due verification of the bills & standard deductions. All payments will be made by crossed A/c payee cheque.

23.0 Definition of Period of Maintenance

23.1 In these Conditions the expression 'Period of Maintenance' shall mean the period of maintenance of 12 months, calculated from date of the completion of the Works, certified by the Engineer in accordance with Clause 26 of tender document. The contractor shall execute, to the entire satisfaction of OMFED, all such work of repair, amendment, reconstruction, rectification and making good defects, imperfections, shrinkage's or other faults as may be required of the Contractor in writing by OMFED during the Period of Maintenance, or within one month after its expiry as a result of an inspection made by or on behalf of the Engineer. OMFED may at its discretion; take up any such work as may be felt necessary for repair, amendment, reconstruction, rectification and making good defects, after giving 10 days notice to the Contractor. The cost of any such repair work done by OMFED either departmentally or through any other agency/contractor(s), shall be recovered from any payment that may be due or shall become due to the 13 OMFED CONTRACTOR.

24.0 Contractor to Keep Site Clear

During' the progress of the Works the Contractor shall keep the site reasonably free from all unnecessary obstructions and shall store or dispose of any Constructional Plant and surplus materials and clear away and remove from the site any wreckage, rubbish, excavated materials or temporary works that may be no longer required by OMFED.

25.0 Clearance of Site on Completion

On the completion of the works the Contractor shall clear away and remove from the Site all constructional plant, surplus materials, rubbish, excavated materials and temporary works of every kind, and leave the whole of the Site and Works clean and in a workmanlike condition to the satisfaction of the Engineer.

26.0 Certification of Completion of Works

When the whole of the Works have been virtually completed and have satisfactorily passed any final test that may be prescribed by the Contract, the Engineer shall, issue to the Contractor, with a copy to the OMFED, a Certificate of Completion stating the date on which, in his opinion, the works were virtually

completed in accordance with the Contract. The Contractor shall be entitled to receive such Certificate of Completion, on the completion, to the satisfaction of the Engineer, of the works so specified and making good any defects.

27. PENALTY: If the work is not completed within the time of completion mentioned in Clause 1, hereof, the contractor shall have to pay @ ½% (half percent) of the contract value per week, or part thereof, subject to a maximum of 5% (Five percent) as penalty. In the event of non-completion of work within the stipulated time, the Federation reserves the right to cancel the order and procure the materials/get the work done by engagement of other agencies/contractors or departmentally at the cost of the Contractor along with compensation for the delay. Such action by the Federation shall not, however, vitiate or invalidate, in any manner, the obligations of the Contractor under the Contract.

28. RESOLUTION OF DISPUTES: a) The Federation and the contractor shall make every effort to resolve amicably by direct negotiation any disagreement or dispute arising between them under or in connection with this work. However, the decision of Managing Director, OMFED will be final & binding in case the disagreement or dispute is not resolved by mutual negotiations. b) Legal dispute if any, concerning to this work shall be subject to such courts as exercising civil jurisdiction over Bhubaneswar only. 14 OMFED CONTRACTORS

29.0 OMFED's right to accept any bid or reject any or all bids

The OMFED reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for OMFED's action.

30.0 Additional Security Deposit:

Additional Security Deposit Additional Performance Security (APS) shall be obtained from the bidder when the bid amount is less than estimated cost put to tender. In such an event, Only the successful bidder who has quoted less bid price/rates than the estimated cost put to tender shall have to furnish the exact percentage (as per following table) in the shape as mentioned at clause 23 within 7 (Seven) days of issue of Letter of Acceptance (LOA) (by e-mail) to the successful bidder otherwise the bid of the successful bidder shall be cancelled and the Earnest Money Deposit/Bid Security shall be forfeited. Further proceeding for Blacklisting shall be initiated against the Bidder.

Government of Odisha vides Works Department office Memorandum No. 173/W Dt. 03.01.2026 is pleased to fix the following rate of Additional Performance Security.

Sl no.	Incremental Basic of Additional Performance Security	Additional Performance Security to be deposited by the Successful bidder.
I	Below 0% but not below 10% of the Project Cost Put to bid.	No additional performance guarantee/security percentage is required
II	Below 10% but not below 20% of the	0.1% of every percentage of bid price

	Project Cost put to bid.	below 10% of the project cost put to bid starting at 11% with the additional Bid Performance Guarantee being 0.1% and the Additional Bid Performance Guarantee 15 OMFED CONTRACTOR percentage shall be applied on the bid price.
III	Bid price is 20% or more below of the project cost put to bid.	0.2% for every percentage of bid prices below 20% of the project cost put to bid in addition to 1% of the bid price and the Additional Bid Performance Guarantee Percentage shall be applied on the bid price.
IV	The additional performance guarantee percentage shall be rounded off to the next lower percentage based on whether the decimal point of the percentage of bid price is below 0.5% or next higher percentage based on whether the decimal point of the percentage of bid price is 0.5% or more.	
V	The additional performance security shall be treated as part of the performance security.	
VI	Justification for abnormally low bids shall be scrutinized by the Departmental Technical Committee and recommended to the competent authority of the Administrative Department for the approval of the additional performance security (APS) . An abnormally low bid is one in which the Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder to perform the contract at the offered price. Procuring Entity may , in such cases, seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to scope, schedule, resource mobilization, allocation of risks and responsibilities, and any other requirements of the bid document. If, after evaluating the price analyses, the procuring entity determines that the Bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the Procuring Entity may reject the Bid/Proposal. However, it would not be advisable automatically be considered as an abnormally low bid.	

31. Statutory Provisions of ESI & EPF for resource engaged:

a. The vendor must abide by all applicable rules, laws & regulations that may be in force from time to time and shall be responsible for conduct of resource persons as an immediate Employer. Further, the vendor shall ensure compliance of all permissions under Act & Regulations of ESI & EPF Scheme. Vendor should submit the relevant records & registers towards contribution made for ESI & EPF in respect of the resource persons engaged as when required by the concerned Statutory Authorities. If the vendor defaults in any manner to comply with the provisions of ESI & EPF Act & Scheme made there under including all other applicable Laws & Regulations, the vendor shall be solely responsible for the same and shall be liable to pay any fine/penalty/damage/interest imposed by the authorities. In case of default by the vendor the notional amount towards fine/penalty/damage/interest likely to be imposed by the concerned Statutory Authorities shall be deducted from the running Bill/Security Deposit/Performance Guarantee and kept separately till finalization of the matter. No interest shall be paid on such amount. Besides the above, the vendor requires complying with any other Act/Provisions such as payment of Bonus etc., if applicable for the resource persons engaged.

b. Notwithstanding anything contained to the contrary in any or all clauses of this Contract where any materials for the execution of the Contract 15 OMFED CONTRACTOR are produced with the assistance of the OMFED either by issue from Owner' stock or purchase made under orders, or permits or licenses issued by the Govt., the Contractor shall hold the said materials as trustee for the owner and use such materials economically and solely for the purpose of the Contract and not dispose them off without the permission of the OMFED and return, if required by the Engineer all surplus or unserviceable materials that may be left with him after the completion of the Contract or at its termination for any reason whatsoever on his being paid or credited such price as Engineer shall determine having due regard to the Contractor, however, shall not exceed the amount charged to him excluding the storage charges, if any, shall be decided by the Engineer. In the event of the breach of the aforesaid condition, the Contractor shall, in terms of the licenses or permits and/or for criminal breach of trust, be liable to compensate OMFED at double the item rate or at double the prevailing market rate if the material was issued free of charge or any higher rate in the event of those materials at that time having higher rate or not being available in the market, than any other rate to be determined by the Engineer.

32.0 Notices: The bidder should state in the tender document the address to which the orders, notices and correspondence relating to the tender/order are to be sent. Any change of address should be intimated to the Federation and all subsequent correspondence shall be made in the changed address, thereafter.

Section II
SPECIAL CONDITIONS OF CONTRACT

The following Special conditions of Contract shall supplement the General conditions of Contract, given in Section I. Wherever there is a conflict the provision herein shall prevail over those in the General conditions of Contract:

1. COST OF BIDDING:

- a) The bidder shall bear all costs associated with the preparation and submission of his bid, and the Engineer-in-Charge will in no case be responsible and liable for those costs.
- b) All the rates and prices in the bid shall cover all local taxes, Cess, ferry, tollage charges, royalties, GST any other charges.
- c) The rate of royalties and taxes prevailing on the date of measurement shall be considered while making deductions in the bills.
- d) The successful bidder shall make his own arrangement for all materials unless Otherwise specified in the conditions of contract.

2.0 TAXES (i) The rate shall include, GST, royalty, EMF &DMF, Labor cess, local (authority) taxes which is to be deposited by the contractor. (ii) TDS under Income Tax and TDS under GST shall be deducted as per the rule. (iii) All the payment are subject to deduction of statutory dues as applicable.

3.0 Store The Contractor shall at his own cost provide a temporary material store of suitable size for the materials to be issued to him during the work and shall provide electrical connection to the same. The structure shall be removed after the completion of work, by the Contractor, at his own cost.

4.0 Water/Electric For Construction and Other Use

4.1 Unless otherwise specified the Contractor shall make his own arrangement for water for the work and nothing extra shall be paid for the same.

4.2 The water used by the Contractor shall be fit for drinking as well as construction purposes to the satisfaction of the Engineer/OMFED.

4.3 In case the OMFED supplies water, it shall be on the following conditions:

- a. Water/electric charges @ 0.5 % shall be recovered from the gross amount of work done from each Interim bill.
- b. The water shall be provided at one point in the site at the discretion of the Engineer. The Contractor shall make his own arrangement for water connection and distribution pipe lines in the construction area.
- c. The OMFED shall not guarantee the maintenance of uninterrupted water supply. It will be the responsibility of the Contractor to make alternative arrangements for water supply at his own cost in the event of any disruption of supply so that the progress of work is not affected for want of water. No claim or damage or refund of water charges shall be entertained on account of such disruptions.

5.0 Temporary Works All temporary sheds, go-downs, office etc required for storage/safe custody of materials and for Contractor's supervisory personnel at site shall be accounted for in the bid.

SECTION III
MATERIAL TO BE SUPPLIED BY THE BIDDER

Bidder will supply required cement and steel for construction work to completion the work.

Particulars	Unit	Rate at which material Will be supplied By Contractor.	Make/ Brand
Cement*	Per Bag		ULTRATECH ACC KONARK PCC GADE
Steel	Per Ton		TATA RINL SAIL

* The empty cement bag will become the property of the Contractor

1.0 Wastage

a) Cement

On completion of work, the theoretical consumption shall be worked out. Cost of cement issued, upto 105% of theoretical consumption shall be recovered at normal issue rate. If the actual consumption of cement exceeds the theoretical consumption by more than 5% shall be recovered at an enhanced rate of 2 times the issue rate or double the prevailing market rate if the material is issued free of charge.

b) Mild or Tor steel

Maximum wastage permitted will be 5% of the theoretical consumption. If the wastage is more than 5% of the steel billed for, then the excess wastage above 5% limit shall be recovered at an enhanced rate of 2 times the issue rate or double the prevailing market rate if the material is issued free of charge.

2.0 ROLLING MARGIN

- 2.1 Procedure for testing & recording of steel issued random sample, minimum 3 samples per consignment of 10 MT or less shall be taken and the average of these tests shall be taken as governing coefficient for a consignment.
- 2.2 Sample shall be taken jointly & immediately upon the arrival of the consignment and suitably marked and identified samples shall be kept in safe custody of the engineer for future verification if required.
- 2.3 Records to be maintained clearly, showing consignment date supplier quantity of steel received and the area where the steel is used along with test result.
- 2.4 Compensation towards the rolling weight difference shall be considered only in case the actual total wastage is considered only in case the actual total wastage is more than 5% of the consumption as per the interim bill for the quantity of the round bar and tor steel used. No compensation shall be considered in individual categories of steel bars, where the wastage is 5% or less.
- 2.5 The permissible wastage of 5 % is deemed to take in to account the 2.5% difference on account of rolling difference and 2.5% towards the wastage and therefore no compensation shall be considered up to 2.5 % difference in rolling margin.
- 2.6 The compensation shall be worked out lot wise as under:-

The excess weight on account of the rolling weight difference of more than 2.5% shall be calculated per consignment i.e. if the actual weight per meter length as per the test result is "a" kg/metre as against the Theoretical unit weight "a", kg/m for a consignment of "w" ; then

$100 \times (a/t) - 1 = x\%$ shall be the difference on account of the rolling difference.
 $W \times (x - 2.5) / 100$ MT shall be deducted from the gross issue for the purpose of recovery of steel issued.

On no account this difference shall be considered for the payment as per item rates for fabrication of reinforcement steel works.

The above calculation shall be done for each individual lot separately , subject to the clause 6.2& 6.3 hereof and the total for all such lots, where there is more than 2.5% variation in rolling weight, shall be considered.

However, the total quantity to be considered for the reduction towards the rolling margin from the total quantity issued shall be limited to the gross wastage in excess of 5% of the net consumption of steel.

SECTION IV
FORM OF AGREEMENT
ON NON-JUDICIAL STAMP PAPER OF RS. 100/-

THIS AGREEMENT is made and executed on the day of -----19 -----
between the Orissa State Co-operative Milk Producers' Federation Limited
having its registered office at D-2 Saheed Nagar, bhubaneswar-751007, ORISSA
(herein after referred to as OMFED which expression shall, unless repugnant to
the context or meaning thereof, include the successors and assignees of the
OMFED) of the ONE PART and -----
----- (herein after referred to as the contractor, which
expression ,shall , unless repugnant to the context or meaning thereof, include
the heirs, successors, assignees, executors and administrators of the Contractor)
of the OTHER PART.

WHEREAS THE OMFED is desirous that certain works should be-----

-----and has, by letter of
acceptance dated-----accepted a bid by the contractor for
the execution, completion and maintenance of such works, NOW THIS
AGREEMENT WITNESSTH AS FOLLOWS:

- 1.0 In this agreement, words and expressions shall have the same meanings are respectively assigned to them in the conditions of contract hereinafter referred to.
- 2.0 The following documents shall be deemed to form and be read and construed as a part agreement, viz
 - I) this form of agreement
 - ii) The notification of award
 - iii) The said bid
 - iv) The technical specifications
 - v) The schedule of quantities
 - VI) The schedule of supplementary information
 - vii) Special conditions of contract
 - vii) General conditions of contract
 - ix) Schedule of materials to be issued by owner
 - x) Form of bank guarantees
- 3.0 The aforesaid documents shall be taken as complementary and mutually explanatory of one another but in the case of ambiguities and discrepancies shall take precedence in the order set out above.
- 4.0 In the consideration of the payment to be made by the OMFED to the contractor

as hereinafter mentioned, the contractor hereby covenants with the OMFED to execute, complete and maintain the works in conformity in all respects with the provisions of the contract.

5.0 The OMFED hereby covenants to pay the contractor in consideration of the execution, completion and maintenance of the works the contract price at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF the parties hereto have caused their respective common seals to be hereunto affixed the month and ear first above written.

Signed, sealed & delivered for and on behalf of the within named OMFED by the hands of its Authorised Signatory.

Authorised signatory

Orissa State Co-op. Milk
Producers' Fedn. Ltd.

In the presence of :

WITNESS:

1) Signature

Name

Address

2) Signature

Name

Address

signed, sealed and delivered for and on behalf of the within named contractor , the other part.

CONTRACTOR

In the presence of

WITNESS

1. Signature

Name

Address

2. Signature

Name

Address

SECTION-V

ACCEPTABLE FORMS OF BANK GUARANTEES
PROFORMA OF BANK GUARANTEE FOR BID SECURITY
ON NON-JUDICIAL STAMP PAPER OF RS. 100/-

Bank guarantee no.

Date:

This deed of guarantee made this ----- day of 200__ (Two thousand and-----
-----) by -----
(name and the address of the bank), hereinafter referred to as the bank, which shall unless repugnant to the context or the meaning thereof includes its legal representatives, successors and assigns and the ORISSA STATE CO-OP. MILK PRODUCERS' OFEDN. LIMITED (hereinafter referred to as the OMFED) which expression shall unless repugnant to the context or meaning thereof include its legal representative, successors or assigns.

Whereas the OMFED has invites bids for -----

----- by the tender reference no.----- .

AND WHEREAS M/S-----
----- (Name and the address of the bidders) who having submitted their bids (hereinafter referred to as the tender) and have agreed to deposits to the OMFED an amount indicated in the tender as per the terms and the conditions of bidding documents. AND WHEREAS the OMFED is also willing to accept a bank guarantee in lieu of payment by demand draft of any amount equivalent to the amount of bid security required to be deposited by the bidder to the OMFED which guarantee shall be kept valid for 120 days after the day of the opening of the bids.

In consideration of the OMFED having agreed to consider the bid proposals having submitted by the bidder without depositing the amount of bid security and against this bank guarantee, we (name and the address of the bank) hereby undertake and guarantee to make payment to the OMFED the amount of bid security or any part thereof not deposited by the bidder to the OMFED at any time(time being the essence of the contract) when the OMFED asks for the same as per the terms and the conditions of the bidding documents within 120 days from the date of opening of the bids.

The bank further undertakes not to revoke this guarantee during its currency except with the previous consent of the OMFED in writing and the guarantee shall be continuous and irrevocable guarantee up to a sum of Rs.----- (rupees----- only) provided always that any indulgence or forbearance on the part of the OMFED to the said bidder, with or without the consent of the bank shall not prejudice or restrict remedies against the bank nor shall the same in any event be a ground of defence by the bank against the OMFED.

In case the OMFED puts forth a demand in writing on the bank for the payment of the amount in full or in part against this bank guarantee, the bank will considered that such demand by itself is a conclusive evidence and proof that the bidder has failed in complying with the terms and conditions stipulated by the OMFED without raising any disputes regarding the reasons for such failure on the part of the bidder.

The bank shall not be discharged or released from this guarantee by any arrangement between the bidder and the OMFED with or without the consent of the bank or any alterations in the obligations of the parties or by an indulgence, forbearance shown by the OMFED to the bidder.

This guarantee shall be in addition to and without prejudice to any other securities or remedies which the OMFED may have or hereafter possess against the bidder and the OMFED shall be under no obligations to marshal in favour of the bank an such securities or fund or assets that the OMFED at its absolute discretion may vary exchange renew modify or refuse to complete or enforce or assign any security or instrument.

The bank agrees that the amount hereby guaranteed shall be due payable to the OMFED on OMFED'S serving with a notice requiring the payment of the amount and such notice shall be served on the bank either by actual delivery thereof to the bank or by dispatching thereof by to the bank by registered post at the address of the said bank. Any notice sent to the bank at its address by registered post shall be deemed to have been duly served on the bank notwithstanding that the notice may not in fact have been delivered to the bank.

In order to give full effect to the provisions of this guarantee the bank thereby waives all rights inconsistent with the above provisions and which the bank might otherwise as a guarantor be entitled to claim and enforce.

The guarantee shall remain in force until ----- and unless the guarantee is renewed or a claim is preferred against the bank within three months from the said date all rights of the OMFED under this guarantee shall cease and the bank shall be released and discharged from all liabilities hereunder.

Notwithstanding anything contained here before, our liability under this guarantee is restricted to Rs. -----(rupees-----)

only) being the amount of the bid security and it shall remain in force until-----
-----.

Place

Signature

Seal

Code no.

Note:

- 1) Bidders should ensure that the seal and code no. of signatory is put by the bankers, before submission of the bank guarantees.
- 2) The contractor should ensure that a letter of confirmation is sent by the bank to OMFED directly mentioning the guarantee no. and Date of Issue.

PROFORMA OF BANK GURANATEE FOR PERFORMANCE SECURITY
On Non-judicial stamp paper of Rs. 100/-

Bank guarantee no.

Date:

This deed of guarantee made this ----- day of 200--- (Two thousand and ----
-----) by (name and the address of the bank), hereinafter referred
to as the bank, which shall unless repugnant to the context or the meaning
thereof includes its legal representatives, successors and assigns and the
ORISSA STATE CO -OP. MILK PRODUCERS' FEDN. LIMITED (hereinafter
referred to as the OMFED) which expression shall unless repugnant to the
context or meaning thereof include its legal representative, successors or
assigns.

Where as the ORISSA STATE CO.OP MILK PRODUCERS' FEND- LIMITED
has awarded a contract bearing no -----
-----on M/S -----

----- (name and the address of the party), hereinafter
referred to as the contractor, for the execution, completion and the maintenance
of -----

-----and whereas, the contractor has agreed to submit
a performance security in the form of a bank guarantee to the OMFED as per the
terms and conditions of the bidding documents and the contract which will be
kept valid up to-----calendar months from the date of bank guarantee
(the period should be till end of period of maintenance). And whereas the bank
and its duly constituted agent and officer has already read and understood the
contract made between the OMFED and the contractor.

In consideration of the OMFED having agreed to award the contract on the
contractor on the contractor, we -----
----- (the bank), do hereby guarantee, undertake promise and
agree with the OMFED its legal representatives, successors and assigns that the
within named (the name of the contractor) their legal representatives and
assignees will faithfully perform and fulfill everything within the bidding document
and the contract order on their part to be performed or fulfilled , at the time (time
being the essence of the contract) and in the manner therein provided do all
obligations there under and we further undertake and guarantee to make
payment to the OMFED a sum of Rs.----- (rupees -----
----- only) being 5% of the contract

Value, in case the contractor, their legal representatives and assignees donot
faithfully performed and fulfill everything within the bidding documents or fulfilled,
at the time and in the manner therein provided and donot willfully and promptly
do all obligations there under.

In case the contractor fails to perform or fulfill the contract as per the terms and conditions agreed upon, the OMFED is entitled to demand an amount equivalent to 10% of the contract value from the contractor and the demand made by the OMFED itself will be conclusive evidence and proof that the contractor has failed to perform or fulfill his obligations under the contract and neither the contractor nor the bank shall be entitled to raise any dispute regarding the reasons for the failure of performance or fulfillment on any ground whatsoever.

we, (the name of the bank), do hereby undertake to pay an amount equivalent to 5 % of the contract value , being the amount due and merely on a demand from the OMFED stating that the amount claimed is due by way of non-performance of the contractual obligations as aforesaid by the contractor or by the reason of the contractor's failure to perform the said contractual commitments any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However our liability under this guarantee shall be restricted to an amount not exceeding Rs.-----
----- (rupees-----
-----only) being the amount equal to 5% of the contract value.

we, the bank further agree that the performance security herein contained shall remain in full force and effect for a period of ----- calendar months from the date of the bank guarantee (the period shall be till the end of period of maintenance) which ever is later or till the OMFED certifies that the terms and conditions of the said contract have been fully and properly carried out by the said contractor and accordingly discharge the guarantee, unless a demand or a claim under this guarantee is made on us in writing by the OMFED on or before -
-----we shall be discharged from all liabilities under this performance hereafter.

we, the bank, further agree with the OMFED that the OMFED shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and the conditions of the bidding document and the contract or to extend the time of performance by the said contractor from time to time or postpone for any time or from time to time and any of the power exercisable by the OMFED against the contractor and to forbear or enforce any of the terms any of the terms and conditions relating to the said bidding documents and the contract and we shall not be relieved from our liability by reason of any such variation , or extension being granted to the said contractor, or for any forbearance, act or omission on the part of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

This guarantee shall be in addition to and without prejudice to any other securities or remedies which the OMFED may have or hereof after possess in respect of the works executed or intended to be executed and the OMFED shall be under no obligation to marshal in favour of the bank any such securities or funds or asset that the OMFED may be entitled to receive or have a claim upon and the OMFED at its absolute discretion may vary, exchange, renew , modify or refuse to complete to enforce or assign any security or instruction.

The bank agrees that the amount hereby guaranteed shall be due and payable to the OMFED on serving us with a notice requiring the payment of the amount and such notice shall be deemed to have been served on the bank either by actual delivery thereof to the bank or by dispatch thereof to the bank by registered post at the address of the bank.

Any notice sent to the bank at its address by registered post shall be deemed to have been duly served on the bank notwithstanding that the notice may not in fact has been delivered to the bank.

In order to give full effects to the provisions of this guarantee the bank hereby waives all rights inconsistent with the above provisions and which the bank might otherwise as a guarantor be entitled to claim and enforce.

we,-----, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the omfed in writing and the guarantee shall be a continuous and irrevocable guarantee up to a sum of Rs.------(rupees-----).the guarantee shall remain in force until -----and unless the guarantee is renewed or a claim is preferred against the bank within three months from the OMFED under the guarantee shall cease and the bank shall be released and discharged from all liabilities hereunder.

SIGNATURE

PLACE

SEAL

DATE

CODE NO.

NOTE:

- 1) The contractor should ensure that the seal and the code no. of the signatory is put by the bankers, before submission of the bank guarantees.
- 2) The contractor should ensure that a letter of confirmation is sent by the bank to OMFED directly, mentioning the guarantee No. and date of Issue.

DECLARATION

I / WE DECLARE THAT I / WE HAVE GONE THROUGH THE AFORE MENTIONED CONDITIONS OF THE CONTRACT AND AGREE TO ACCEPT THE SAME FOR SUBMISSION OF THE TENDER / EXECUTION OF THE WORK. I AM / WE ARE ALSO AGREEABLE TO ABIDE BY THESE CONDITIONS UNTIL THE FINALIZATION OF TENDER / COMPLETION OF THE WORK IN ALL RESPECT.

(Full Signature of the Contractor)

Date :

Address for Correspondence:

DECLARATION

I / WE DECLARE THAT I / WE hereby declare that I/We are not blacklisted by any Central/ State Government/ agency of Central/ State Government of India or any other country in the world/ Public Sector Undertaking/ any Regulatory Authorities in India or any other country in the world for any kind of fraudulent activities.

(Full Signature of the Contractor)

Date :

Address for Correspondence:

SECTION-VI

**SCHEDULE OF QUANTITY FOR CIVIL & ELECTRICAL WORK TOWARDS
ESTABLISHMENT OF 4MT CAPACITY WALK IN COLD STORE ROOM FOR ICE
CREAM & MILK PRODUCT AT VARIOUS DAIRIES OF OMFED**

CIVIL WORK AT BALASORE DAIRY(A)

Sl.No.	Description of items	Quantity	Unit	Rate (In Rs)	Amount (In Rs)
1	Excavation in hard soil or gravelly soil for foundation of wall, columns, plinth beams, basement, rail ducts, trenches, underground sumps, septic tanks etc. including shoring, strutting, bailing out water/pumping out water if required, refilling the trenches / foundation pits in layers of 150mm to 200mm, ramming, watering consolidating removing and stacking simultaneously the surplus excavated stuff as directed within the site area upto a lead of 100m and or spreading the same in layers for site development and consolidating as directed, including cost of labor tools and plants, taxes etc. complete as per direction of Engineer-In-Charge. a) From exiting ground level upto 1.5 M depth.	6	Cum		
2	Filling in plinth with selected excavated earth available within site (Lead not exceeding 100m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	4.000	Cum		
3	Filling selected excavated earth other than plinth, by mechanical / manual means for land development etc., to required level, within the site (Lead not exceeding 300m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	2.000	Cum		
4	Providing, supplying and filling approved local sand by mechanical / manual means for land development etc., in low land area, foundation, trenches, & plinth foundation areas, and foundation surrounding areas in layers of 150mm to 200mm including watering, ramming and consolidating, transportation, freight, loading, unloading, labor, T&P, taxes, octroi, levies, royalties, spreading and compacting etc. complete as per direction of Engineer-in-charge.	0.45	Cum		
5	Providing, supplying & laying in position machine mixed plain cement concrete in volumetric proportion (1:3:6) of any thickness	1.58	Cum		

	for volumetric proportion 1: 3: 6 (1cement: 3 coarse sand: 6 HG stone crusher broken stone aggregates of size 37mm and down) in required thickness, for foundations, below walls, hard park, column footings, sunk floor, terraces, rafts, roads at any height above plinth level, at any depth below floors, plinth protection, etc. including centering and shuttering, if required, laying, spreading, ramming, consolidating, as per requirement and curing etc. including cost of all materials, transportation, loading, unloading, labor, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer- in-charge.				
6	Providing, supplying & fixing plywood shuttering for any shape and size as specified in Architect's Drawing including rigid & smooth shuttering centering, bracing & propping, housing, keeping the same in position, providing access, and removal of the same after specified period, cost of all material, carpentry works, nails, including laying of polythene over the shuttering and including cost of transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.a) For structural elements, viz. footing foundation, columns, beams, slabs, precast slab, raft, staircase, plinth beam, gutter, bed block, lintels, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed	12.400	Sqm		
7	Providing, supplying & laying in position machine mixed and machine vibrated cement concrete of controlled grades of specified volumetric proportions, for reinforcement cement concrete structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed in specified compressive strength expressed in N/sqmm at 28 days as per I.S: 456-1978 using 20mm and down size of hard crusher broken black granite aggregates, necessary lift and lead finishing concrete surfaces, and for volumetric proportion 1:1 1/2: 3 (1 cement : 1 1/2 : coarse sand: 3 HG stone aggregates of size 20mm) and down concrete in ground and plinth etc. excluding cost of centering and shuttering / centering & reinforcement and	4.600	Cum		

	including cost of all material but excluding cost of reinforcement and including cost of curing, transportation, loading, unloading, of all materials and labor, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.				
8	Providing, fabricating and fixing in position steel reinforcement for RCC structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, mullions, overhead and underground water tanks, road pavement, kerbs, culverts, etc. at different levels in any shape as per structural design and drawing and as directed and specified, as per design at all levels including lift and loading, unloading & transporting steel within site premises from departmental store to the work site, unloading and incidental charges for handling, cutting, bending and binding at all height and floor with 16 gauge GI wire (to be supplied by the contractor at his own cost), welding if necessary etc., labour, T&P complete as per direction of Engineer-in-charge. Pre-measurement will be made on the length basis and converted into weight by using standard IS co-efficient with Tor steel bars	1.552	QTL		
9	Providing, supplying and constructing brick masonry in CM 1:6 (1 cement: 6 coarse sand) in foundation and upto plinth level with 1st class quality approved Fly Ash bricks having minimum crushing strength 70kg/sqcm including soaking the bricks in water vat for 24hours before use in foundation at all levels below and up to highest plinth level, all necessary scaffolding, racking out the joints, including cost of all materials, transportation, curing, loading, unloading, labor, T&P taxes, duties, levies, octroi royalties etc. complete as per direction of Engineer in-charge.	2.400	Cum		
10	Providing, supplying and applying 12mm thick cement plaster in line and level, at all heights above and below plinth level with cement mortar 1:4 (1 cement: 4 sand) to walls, beams, ceiling, stair, column, pardis, bends, moulds, pattas, grooves, etc. including scaffolding, curing, finishing smooth (the plaster surface shall be troweled till the surface shows cement paste), and chipping the concrete at all levels including cost of all materials, transportation, lift, loading, unloading, curing, labour, tools and plants, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer – In-Charge.	6.60	Sqm		

11	Providing supplying and applying two or more coats of weather coats emulsion paint(water based) of approved make and shade of Royale Luxury Asian,Berger/Dulux"including cost of finishing existing wall surface with one more coats of wall primer (water base)	6.60	Sqm		
12	Supplying, fitting & fixing of precoated galvanised iron profile sheet semi gloss of 1000mm width & total coated thickness 0.50mm in roof drilling hole in wind ties including fixing of ridges valleys, wind ties etc complete including cost of sheet & all fittings.	22.32	Sqm		
13	Providing, supplying, fabricating hoisting and fixing in position M.S. structure fabricated with M.S. channels, angle, flat, joist structure/Truss protection channels of reception dock, Runner & Purloin for laying Asbestos sheet provision etc. as per architectural drawing and design including cutting, electrical arc welding, grinding to smooth surface at all level for GI sheet roofing, drilling holes, welding tie with required GI 'L' hooks, nuts, washers & tar washers etc. and grouting with P.C.C. (1:1 ½:3 or M-20) as per design including 2 coats of first quality synthetic enamel paint of make Asian or equivalent all complete. including cost of all materials, transportation, loading, unloading, labour, tools & paints, taxes, duties, levies, lift, octroi, royalties etc. complete as per direction of Engineer-in-Charge	3.759	QTL		
Total Cost of Civil Work (A) =					
ELECTRICAL WORK AT BALASORE DAIRY (B)					
WIRING SCHEDULE					
1	A Light Point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires in 25 mm dia 16 SWG concealed conduit system including providing and fixing one no. 6 Amp. Single pole piano key switch in G.I. box with 3mm thick hylem sheet cover complete with 1.5 sq.mm. Circuit for one light point controlled by one switch.	2	No		
2	16 Amp. Power point with 4.0 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing on no. 16Amp. 3 pin /universal 6 pin, 250V socket out let and 16 Amp. 250 V piano key type switch in G.I. box with 3mm thick Hylem sheet cover one point on one circuit.	4	No		

3	6 Amp power points wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing one no. 6 A. 250 V piano key type switch, lighting switch board itself.	2	No		
4	Circuit wiring with PVC insulated 650V grade, Copper conductor wire for power and green PVC insulated copper conductor for earthing in 16 SWG surface/concealed conduit system, complete with MS draw out boxes and cover, wires and conduit sizes as given below:				
5	2 x 2.5 sq.mm. For power and 1x1.0sq.mm. for earthing in 25mm dia conduit (from BDB to individual switch board)	40	mtr		
6	2x4 sq.mm for power and 1x1.5 sq.mm. for earthing in 25mm dia conduit (from BDB to individual 16 A power socket)	40	mtr		
DISTRIBUTION SYSTEM					
7	Supply, installation, testing of company made 3phase meter approved by CSEU	1	No		
8	Supply, installation, testing and commissioning of company made distribution board of approved make and making good to all damages caused and inter connection with 2.5 sq.mm. Copper wire and complete with all respect fixing in the wall.				
	Light distribution board (6 way 3 phase BDB)				
8.1	Incoming: 40A TPN MCB : 01 Nos. Outgoing: 20A SP MCB : 03nos.	1	No		
INSTALLATION, TESTING AND COMMISSIONING OF LIGHTING FIXTURE					
9	Labor charges for Installation, testing and commissioning of light fixtures suitable for fluorescent lamps, directly on ceiling /beam/walls/trusses/pergolas etc. complete with all accessories excluding lamps connecting with 1.5sq.mm. Copper conductor wires from Switch Board to light point.	2	No		
10	Labor charges for Installation, testing and commissioning of ceiling bracket fan with all standard accessories and connecting with 1.5 sq.mm. Copper conductor PVC wires complete as required.	1	No		
EARTHING AND LIGHT PROTECTION					
11	Providing and laying earth continuity conductor in ground/on surface of building with necessary clamps as required.				
11.1	G.I. bare of wire size- 8 SWG	10	rmt		
11.2	G.I. strip 25 x 5 mm	25	rmt		
12	Providing earth pit with G.I pipe electrode including all accessories complete as per IS 3043 – 1966	1	No		

LUMINARIES/LIGHT FITTING/LAMPS					
13	Supplies of standard Compact fluorescent lamp 12 watt each make Philips/Bazaz/HPL.	2	No		
14	Providing and supplying of 1.1 K.V. PVC 31/2 core x 10mm ² sheathed Al armored service cable and metering unit to provide power supply from main source to the main switch with 8SWG GI wire to strengthen the cable. On liaisoning with respective power distribution company including application on behalf of OMFED and get charging order. 4 x 10 sq. mm. Armoured Al. cable	1	lot		
Total Cost of Electrical work (B)=					
Net Total Cost (A+B)=					
GST @ 18%=					
Grand Total Cost including GST=					

SCHEDULE OF QUANTITY FOR CIVIL & ELECTRICAL WORK TOWARDS ESTABLISHMENT OF 4MT CAPACITY WALK IN COLD STORE ROOM FOR ICE CREAM & MILK PRODUCT AT VARIOUS DAIRIES OF OMFED					
CIVIL WORK AT JEYPORE DAIRY(A)					
Sl.No.	Description of items	Quantity	Unit	Rate (In Rs)	Amount (In Rs)
1	Excavation in hard soil or gravelly soil for foundation of wall, columns, plinth beams, basement, rail ducts, trenches, underground sumps, septic tanks etc. including shoring, strutting, bailing out water/pumping out water if required, refilling the trenches / foundation pits in layers of 150mm to 200mm, ramming, watering consolidating removing and stack-ing simultaneously the surplus excavated stuff as directed within the site area upto a lead of 100m and or spreading the same in layers for site development and consolidating as directed, including cost of labor tools and plants, taxes etc. complete as per direction of Engineer-In-Charge. a) From exiting ground level upto 1.5 M depth.	6	Cum		
2	Filling in plinth with selected excavated earth available within site (Lead not exceeding 100m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	4.000	Cum		

3	Filling selected excavated earth other than plinth, by mechanical / manual means for land development etc., to required level, within the site (Lead not exceeding 300m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	2.000	Cum		
4	Providing, supplying and filling approved local sand by mechanical / manual means for land development etc., in low land area, foundation, trenches, & plinth foundation areas, and foundation surrounding areas in layers of 150mm to 200mm including watering, ramming and consolidating, transportation, freight, loading, unloading, labor, T&P, taxes, octroi, levies, royalties, spreading and compacting etc. complete as per direction of Engineer-in-charge.	0.45	Cum		
5	Providing, supplying & laying in position machine mixed plain cement concrete in volumetric proportion (1:3:6) of any thickness for volumetric proportion 1: 3: 6 (1cement: 3 coarse sand: 6 HG stone crusher broken stone aggregates of size 37mm and down) in required thickness, for foundations, below walls, hard park, column footings, sunk floor, terraces, rafts, roads at any height above plinth level, at any depth below floors, plinth protection, etc. including centering and shuttering, if required, laying, spreading, ramming, consolidating, as per requirement and curing etc. including cost of all materials, transportation, loading, unloading, labor, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer- in-charge.	1.58	Cum		
6	Providing, supplying & fixing plywood shuttering for any shape and size as specified in Architect's Drawing including rigid & smooth shuttering centering, bracing & propping, housing, keeping the same in position, providing access, and removal of the same after specified period, cost of all material, carpentry works, nails, including laying of polythene over the shuttering and including cost of transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.a) For structural elements, viz. footing foundation, columns, beams, slabs, precast slab, raft, staircase, plinth beam, gutter, bed block, lintels, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed	12.400	Sqm		

7	<p>Providing, supplying & laying in position machine mixed and machine vibrated cement concrete of controlled grades of specified volumetric proportions, for reinforcement cement concrete structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed in specified compressive strength expressed in N/sqmm at 28 days as per I.S: 456-1978 using 20mm and down size of hard crusher broken black granite aggregates, necessary lift and lead finishing concrete surfaces, and for volumetric proportion 1:1 1/2: 3 (1 cement : 1 1/2 : coarse sand: 3 HG stone aggregates of size 20mm) and down concrete in ground and plinth etc. excluding cost of centering and shuttering / centering & reinforcement and including cost of all material but excluding cost of reinforcement and including cost of curing, transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.</p>	4.600	Cum		
8	<p>Providing, fabricating and fixing in position steel reinforcement for RCC structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, mullions, overhead and underground water tanks, road pavement, kerbs, culverts, etc. at different levels in any shape as per structural design and drawing and as directed and specified, as per design at all levels including lift and loading, unloading & transporting steel within site premises from departmental store to the work site, unloading and incidental charges for handling, cutting, bending and binding at all height and floor with 16 gauge GI wire (to be supplied by the contractor at his own cost), welding if necessary etc., labour, T&P complete as per direction of Engineer-in-charge. Pre-measurement will be made on the length basis and converted into weight by using standard IS co-efficient with Tor steel bars</p>	1.552	QTL		
9	<p>Providing, supplying and constructing brick masonry in CM 1:6 (1 cement: 6 coarse sand) in foundation and upto plinth level with 1st class quality approved Fly Ash bricks having minimum crushing strength 70kg/sqcm including soaking the bricks in water vat for 24hours before use in foundation at all levels</p>	2.400	Cum		

	below and upto highest plinth level, all necessary scaffolding, racking out the joints, including cost of all materials, transportation, curing, loading, unloading, labour, T&P taxes, duties, levies, octroi royalties etc. complete as per direction of Engineer in-charge.				
10	Providing, supplying and applying 12mm thick cement plaster in line and level, at all heights above and below plinth level with cement motar 1:4 (1 cement: 4 sand) to walls, beams, ceiling, stair, column, pardis, bends, moulds, pattas, grooves, etc. including scaffolding, curing, finishing smooth (the plaster surface shall be troweled till the surface shows cement paste), and chipping the concrete at all levels including cost of all materials, transportation, lift, loading, unloading, curing, labour, tools and plants, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer – In-Charge.	6.60	Sqm		
11	Providing supplying and applying two or more coats of weather coats emulsion paint(water based) of approved make and shade of Royale Luxury Asian,Berger/Dulux" including cost of finishing existing wall surface with one more coats of wall primer (water base).	6.60	Sqm		
12	Supplying, fitting & fixing of precoated galvanised iron profile sheet semi gloss of 1000mm width & total coated thickness 0.50mm in roof drilling hole in wind ties including fixing of ridges valleys, winde ties etc complete including cost of sheet & all fittings.	22.32	Sqm		
13	Providing, supplying, fabricating hoisting and fixing in position M.S. structure fabricated with M.S. channels, angle, flat, joist structure/Truss protection channels of reception dock, Runner & Purloin for laying Asbestos sheet provision etc. as per architectural drawing and design including cutting, electrical arc welding, grinding to smooth surface at all level for GI sheet roofing, drilling holes, welding tie with required GI 'L' hooks, nuts, washers & tar washers etc. and grouting with P.C.C. (1:1 ½:3 or M-20) as per design including 2 coats of first quality synthetic enamel paint of make Asian or equivalent all complete. including cost of all materials, transportation, loading, unloading, labour, tools & paints, taxes, duties, levies, lift, octroi, royalties etc. complete as per direction of Engineer-in-Charge	3.759	QTL		
Total Cost of Civil Work (A) =					

ELECTRICAL WORK AT JEYPORE DAIRY (B)					
WIRING SCHEDULE					
1	A Light Point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires in 25 mm dia 16 SWG concealed conduit system including providing and fixing one no. 6 Amp. Single pole piano key switch in G.I. box with 3mm thick hylem sheet cover complete with 1.5 sq.mm. Circuit for one light point controlled by one switch.	2	No		
2	16 Amp. Power point with 4.0 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing on no. 16Amp. 3 pin /universal 6 pin, 250V socket out let and 16 Amp. 250 V piano key type switch in G.I. box with 3mm thick Hylem sheet cover one point on one circuit.	4	No		
3	6 Amp power point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing one no. 6 A. 250 V piano key type switch, lighting switch board itself.	2	No		
4	Circuit wiring with PVC insulated 650V grade, Copper conductor wire for power and green PVC insulated copper conductor for earthing in 16 SWG surface/concealed conduit system, complete with MS draw out boxes and cover, wires and conduit sizes as given below:				
5	2 x 2.5 sq.mm. For power and 1x1.0sq.mm. for earthing in 25mm dia conduit (from BDB to individual switch board)	40	mtr		
6	2x4 sq.mm for power and 1x1.5 sq.mm. for earthing in 25mm dia conduit (from BDB to individual 16 A power socket)	40	mtr		
DISTRIBUTION SYSTEM					
7	Supply, installation, testing of company made 3phase meter approved by CSEU	1	No		
8	Supply, installation, testing and commissioning of company made distribution board of approved make and making good to all damages caused and inter connection with 2.5 sq.mm. Copper wire and complete with all respect fixing in the wall.				
	Light distribution board (6 way 3 phase BDB)				
8.1	Incoming: 40A TPN MCB : 01 Nos. Outgoing: 20A SP MCB : 03nos.	1	No		

INSTALLATION, TESTING AND COMMISSIONING OF LIGHTING FIXTURE					
9	Labour charges for Installation, testing and commissioning of light fixtures suitable for fluorescent lamps, directly on ceiling /beam/walls/trusses/pergolas etc. complete with all accessories excluding lamps connecting with 1.5sq.mm. Copper conductor wires from Switch Board to light point.	2	No		
10	Labour charges for Installation, testing and commissioning of ceiling bracket fan with all standard accessories and connecting with 1.5 sq.mm. Copper conductor PVC wires complete as required.	1	No		
EARTHING AND LIGHT PROTECTION					
11	Providing and laying earth continuity conductor in ground/on surface of building with necessary clamps as required.				
11.1	G.I. bare of wire size- 8 SWG	10	rmt		
11.2	G.I. strip 25 x 5 mm	25	rmt		
12	Providing earth pit with G.I pipe electrode including all accessories complete as per IS 3043 - 1966	1	No		
LUMINARIES/LIGHT FITTING/LAMPS					
13	Supply of standard Compact fluorescent lamp 12 watt each makes Philips/Bazaz/HPL.	2	No		
14	Providing and supplying of 1.1 K.V. PVC 31/2 core x 10mm ² seethed Al armored service cable and metering unit to provide power supply from main source to the main switch with 8SWG GI wire to strengthen the cable. On liaisoning with respective power distribution company including application on behalf of OMFED and get charging order. 4 x 10 sq. mm. Armourd Al. cable	1	lot		
Total Cost of Electrical work (B)=					
Net Total Cost (A+B)=					
GST @ 18%=					
Grand Total Cost including GST=					

**SCHEDULE OF QUANTITY FOR CIVIL & ELECTRICAL WORK TOWARDS
ESTABLISHMENT OF 4MT CAPACITY WALK IN COLD STORE ROOM FOR ICE CREAM
& MILK PRODUCT AT VARIOUS DAIRIES OF OMFED**

CIVIL WORK AT ROURKELA DAIRY(A)

Sl.No.	Description of items	Quantity	Unit	Rate (In Rs)	Amount (In Rs)
1	Excavation in hard soil or gravelly soil for foundation of wall, columns, plinth beams, basement, rail ducts, trenches, underground sumps, septic tanks etc. including shoring, strutting, bailing out water/pumping out water if required, refilling the trenches / foundation pits in layers of 150mm to 200mm, ramming, watering consolidating removing and stack-ing simultaneously the surplus excavated stuff as directed within the site area upto a lead of 100m and or spreading the same in layers for site development and consolidating as directed, including cost of labor tools and plants, taxes etc. complete as per direction of Engineer-In-Charge. a) From exiting ground level upto 1.5 M depth.	6	Cum		
2	Filling in plinth with selected excavated earth available within site (Lead not exceeding 100m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	4.000	Cum		
3	Filling selected excavated earth other than plinth, by mechanical / manual means for land development etc., to required level, within the site (Lead not exceeding 300m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	2.000	Cum		
4	Providing, supplying and filling approved local sand by mechanical / manual means for land development etc., in low land area, foundation, trenches, & plinth foundation areas, and foundation surrounding areas in layers of 150mm to 200mm including watering, ramming and consolidating, transportation, freight, loading, unloading, labour, T&P, taxes, octroi, levies, royalties, spreading and compacting etc. complete as per direction of Engineer-in-charge.	0.45	Cum		
5	Providing, supplying & laying in position machine mixed plain cement concrete in volumetric proportion (1:3:6) of any thickness for volumetric proportion 1: 3: 6 (1cement: 3 coarse sand: 6 HG stone crusher broken stone	1.58	Cum		

	aggregates of size 37mm and down) in required thickness, for foundations, below walls, hard park, column footings, sunk floor, terraces, rafts, roads at any height above plinth level, at any depth below floors, plinth protection, etc. including centering and shuttering, if required, laying, spreading, ramming, consolidating, as per requirement and curing etc. including cost of all materials, transportation, loading, unloading, labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer- in-charge.				
6	Providing, supplying & fixing plywood shuttering for any shape and size as specified in Architect's Drawing including rigid & smooth shuttering centering, bracing & propping, housing, keeping the same in position, providing access, and removal of the same after specified period, cost of all material, carpentry works, nails, including laying of polythene over the shuttering and including cost of transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.a) For structural elements, viz. footing foundation, columns, beams, slabs, precast slab, raft, staircase, plinth beam, gutter, bed block, lintels, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed	12.400	Sqm		
7	Providing, supplying & laying in position machine mixed and machine vibrated cement concrete of controlled grades of specified volumetric proportions, for reinforcement cement concrete structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed in specified compressive strength expressed in N/sqmm at 28 days as per I.S: 456-1978 using 20mm and down size of hard crusher broken black granite aggregates, necessary lift and lead finishing concrete surfaces, and for volumetric proportion 1:1 1/2: 3 (1 cement : 1 1/2 : coarse sand: 3 HG stone aggregates of size 20mm) and down concrete in ground and plinth etc. excluding cost of centering and shuttering / centering & reinforcement and including cost of all material but excluding cost of reinforcement and including cost of curing,	4.600	Cum		

	transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.				
8	Providing, fabricating and fixing in position steel reinforcement for RCC structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, mullions, overhead and underground water tanks, road pavement, kerbs, culverts, etc. at different levels in any shape as per structural design and drawing and as directed and specified, as per design at all levels including lift and loading, unloading & transporting steel within site premises from departmental store to the work site, unloading and incidental charges for handling, cutting, bending and binding at all height and floor with 16 gauge GI wire (to be supplied by the contractor at his own cost), welding if necessary etc., labour, T&P complete as per direction of Engineer-in-charge. Pre-measurement will be made on the length basis and converted into weight by using standard IS co-efficient with Tor steel bars	1.552	QTL		
9	Providing, supplying and constructing brick masonry in CM 1:6 (1 cement: 6 coarse sand) in foundation and upto plinth level with 1st class quality approved Fly Ash bricks having minimum crushing strength 70kg/sqcm including soaking the bricks in water vat for 24hours before use in foundation at all levels below and upto highest plinth level, all necessary scaffolding, racking out the joints, including cost of all materials, transportation, curing, loading, unloading, labour, T&P taxes, duties, levies, octroi royalties etc. complete as per direction of Engineer in-charge.	2.400	Cum		
10	Providing, supplying and applying 12mm thick cement plaster in line and level, at all heights above and below plinth level with cement motar 1:4 (1 cement: 4 sand) to walls, beams, ceiling, stair, column, pardis, bends, moulds, pattas, grooves, etc. including scaffolding, curing, finishing smooth (the plaster surface shall be troweled till the surface shows cement paste), and chipping the concrete at all levels including cost of all materials, transportation, lift, loading, unloading, curing, labour, tools and plants, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer – In-Charge	6.60	Sqm		
11	Providing supplying and applying two or more coats of weather coats emulsion paint(water based) of approved make and shade of Royale Luxury Asian,Berger/Dulux"including cost of	6.60	Sqm		

	finishing existing wall surface with one more coats of wall primer (water base)				
12	Supplying, fitting & fixing of pre-coated galvanized iron profile sheet semi gloss of 1000mm width & total coated thickness 0.50mm in roof drilling hole in wind ties including fixing of ridges valleys, wind ties etc complete including cost of sheet & all fittings.	22.32	Sqm		
13	Providing, supplying, fabricating hoisting and fixing in position M.S. structure fabricated with M.S. channels, angle, flat, joist structure/Truss protection channels of reception dock, Runner & Purloin for laying Asbestos sheet provision etc. as per architectural drawing and design including cutting, electrical arc welding, grinding to smooth surface at all level for GI sheet roofing, drilling holes, welding tie with required GI 'L' hooks, nuts, washers & tar washers etc. and grouting with P.C.C. (1:1 ½:3 or M-20) as per design including 2 coats of first quality synthetic enamel paint of make Asian or equivalent all complete. including cost of all materials, transportation, loading, unloading, labour, tools & paints, taxes, duties, levies, lift, octroi, royalties etc. complete as per direction of Engineer-in-Charge	3.759	QTL		
Total Cost of Civil Work (A) =					
ELECTRICAL WORK AT ROURKELA DAIRY (B)					
WIRING SCHEDULE					
1	A Light Point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires in 25 mm dia 16 SWG concealed conduit system including providing and fixing one no. 6 Amp. Single pole piano key switch in G.I. box with 3mm thick hylem sheet cover complete with 1.5 sq.mm. Circuit for one light point controlled by one switch.	2	No		
2	16 Amp. Power point with 4.0 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing on no. 16Amp. 3 pin /universal 6 pin, 250V socket out let and 16 Amp. 250 V piano key type switch in G.I. box with 3mm thick Hylem sheet cover one point on one circuit.	4	No		
3	6 Amp power point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/ concealed conduit system including providing and fixing one no. 6 A. 250 V piano key type switch, lighting switch board itself.	2	No		

4	Circuit wiring with PVC insulated 650V grade, Copper conductor wire for power and green PVC insulated copper conductor for earthing in 16 SWG surface/concealed conduit system, complete with MS draw out boxes and cover, wires and conduit sizes as given below:				
5	2 x 2.5 sq.mm. For power and 1x1.0sq.mm. for earthing in 25mm dia conduit (from BDB to individual switch board)	40	mtr		
6	2x4 sq.mm for power and 1x1.5 sq.mm. for earthing in 25mm dia conduit (from BDB to individual 16 A power socket)	40	mtr		
DISTRIBUTION SYSTEM					
7	Supply, installation, testing of company made 3phase meter approved by CSEU.	1	No		
8	Supply, installation, testing and commissioning of company made distribution board of approved make and making good to all damages caused and inter connection with 2.5 sq.mm. Copper wire and complete with all respect fixing in the wall.				
	Light distribution board (6 way 3 phase BDB)				
8.1	Incoming: 40A TPN MCB: 01 Nos. Outgoing: 20A SP MCB : 03nos.	1	No		
INSTALLATION, TESTING AND COMMISSIONING OF LIGHTING FIXTURE					
9	Labor charges for Installation, testing and commissioning of light fixtures suitable for fluorescent lamps, directly on ceiling /beam/walls/trusses/pergolas etc. complete with all accessories excluding lamps connecting with 1.5sq.mm. Copper conductor wires from Switch Board to light point.	2	No		
10	Labor charges for Installation, testing and commissioning of ceiling bracket fan with all standard accessories and connecting with 1.5 sq.mm. Copper conductor PVC wires complete as required.	1	No		
EARTHING AND LIGHT PROTECTION					
11	Providing and laying earth continuity conductor in ground/on surface of building with necessary clamps as required.				
11.1	G.I. bare of wire size- 8 SWG	10	rmt		
11.2	G.I. strip 25 x 5 mm	25	rmt		
12	Providing earth pit with G.I pipe electrode including all accessories complete as per IS 3043 - 1966	1	No		
LUMINARIES/LIGHT FITTING/LAMPS					
13	Supplies of standard Compact fluorescent lamp 12 watt each make Philips/Bazaz/HPL.	2	No		

14	Providing and supplying of 1.1 K.V. PVC 31/2 core x 10mm ² sheathed Al armored service cable and metering unit to provide power supply from main source to the main switch with 8SWG GI wire to strengthen the cable. On liaisoning with respective power distribution company including application on behalf of OMFED and get charging order. 4 x 10 sq. mm. Armored Al. cable.	1	lot		
Total Cost of Electrical work (B)=					
Net Total Cost (A+B)=					
GST @ 18%=					
Grand Total Cost including GST=					

SCHEDULE OF QUANTITY FOR CIVIL & ELECTRICAL WORK TOWARDS ESTABLISHMENT OF 4MT CAPACITY WALK IN COLD STORE ROOM FOR ICE CREAM & MILK PRODUCT AT VARIOUS DAIRIES OF OMFED

CIVIL WORK AT SAMBALPUR DAIRY(A)

Sl.No.	Description of items	Quantity	Unit	Rate (In Rs)	Amount (In Rs)
1	Excavation in hard soil or gravelly soil for foundation of wall, columns, plinth beams, basement, rail ducts, trenches, underground sumps, septic tanks etc. including shoring, strutting, bailing out water/pumping out water if required, refilling the trenches / foundation pits in layers of 150mm to 200mm, ramming, watering consolidating removing and stack-ing simultaneously the surplus excavated stuff as directed within the site area up to a lead of 100m and or spreading the same in layers for site development and consolidating as directed, including cost of labor tools and plants, taxes etc. complete as per direction of Engineer-In-Charge. a) From exiting ground level upto 1.5 M depth.	6	Cum		
2	Filling in plinth with selected excavated earth available within site (Lead not exceeding 100m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	4.000	Cum		

3	Filling selected excavated earth other than plinth, by mechanical / manual means for land development etc., to required level, within the site (Lead not exceeding 300m) in layers of 15cm to 20cm including watering, consolidating, ramming and compacting etc. complete as directed including cost of excavation, loading, unloading and transportation, T&P, complete as per direction of Engineer-in-charge.	2.000	Cum		
4	Providing, supplying and filling approved local sand by mechanical / manual means for land development etc., in low land area, foundation, trenches, & plinth foundation areas, and foundation surrounding areas in layers of 150mm to 200mm including watering, ramming and consolidating, transportation, freight, loading, unloading, labor, T&P, taxes, octroi, levies, royalties, spreading and compacting etc. complete as per direction of Engineer-in-charge.	0.45	Cum		
5	Providing, supplying & laying in position machine mixed plain cement concrete in volumetric proportion (1:3:6) of any thickness for volumetric proportion 1: 3: 6 (1cement: 3 coarse sand: 6 HG stone crusher broken stone aggregates of size 37mm and down) in required thickness, for foundations, below walls, hard park, column footings, sunk floor, terraces, rafts, roads at any height above plinth level, at any depth below floors, plinth protection, etc. including centering and shuttering, if required, laying, spreading, ramming, consolidating, as per requirement and curing etc. including cost of all materials, transportation, loading, unloading, labor, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer- in-charge.	1.58	Cum		
6	Providing, supplying & fixing plywood shuttering for any shape and size as specified in Architect's Drawing including rigid & smooth shuttering centering, bracing & propping, housing, keeping the same in position, providing access, and removal of the same after specified period, cost of all material, carpentry works, nails, including laying of polythene over the shuttering and including cost of transportation, loading, unloading, of all materials and labour, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.a) For structural elements, viz. footing foundation, columns, beams, slabs, precast slab, raft, staircase, plinth beam, gutter, bed block, lintels, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed	12.400	Sqm		

7	<p>Providing, supplying & laying in position machine mixed and machine vibrated cement concrete of controlled grades of specified volumetric proportions, for reinforcement cement concrete structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, overhead and underground water tanks, culverts etc. at different levels in any shape as per structural design and as directed in specified compressive strength expressed in N/sqmm at 28 days as per I.S: 456-1978 using 20mm and down size of hard crusher broken black granite aggregates, necessary lift and lead finishing concrete surfaces, and for volumetric proportion 1:1 1/2: 3 (1 cement : 1 1/2 : coarse sand: 3 HG stone aggregates of size 20mm) and down concrete in ground and plinth etc. excluding cost of centering and shuttering / centering & reinforcement and including cost of all material but excluding cost of reinforcement and including cost of curing, transportation, loading, unloading, of all materials and labor, T&P, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer –In-Charge.</p>	4.600	Cum		
8	<p>Providing, fabricating and fixing in position steel reinforcement for RCC structural elements, viz. foundation, columns, beams, slabs, precast slab, raft, floor, plinth beam, window sills, coping, walls, parapet, drops, fins, boxes, gutters, folded plates, chajhas, mullions, overhead and underground water tanks, road pavement, kerbs, culverts, etc. at different levels in any shape as per structural design and drawing and as directed and specified, as per design at all levels including lift and loading, unloading & transporting steel within site premises from departmental store to the work site, unloading and incidental charges for handling, cutting, bending and binding at all height and floor with 16 gauge GI wire (to be supplied by the contractor at his own cost), welding if necessary etc., labour, T&P complete as per direction of Engineer-in-charge. Pre-measurement will be made on the length basis and converted into weight by using standard IS co-efficient with Tor steel bars</p>	1.552	QTL		
9	<p>Providing, supplying and constructing brick masonry in CM 1:6 (1 cement: 6 coarse sand) in foundation and up to plinth level with 1st class quality approved Fly Ash bricks having minimum crushing strength 70kg/sqcm including soaking the bricks in water vat for 24hours before use in foundation at all levels</p>	2.400	Cum		

	below and up to highest plinth level, all necessary scaffolding, racking out the joints, including cost of all materials, transportation, curing, loading, unloading, labor, T&P taxes, duties, levies, octroi royalties etc. complete as per direction of Engineer in-charge.				
10	Providing, supplying and applying 12mm thick cement plaster in line and level, at all heights above and below plinth level with cement motar 1:4 (1 cement: 4 sand) to walls, beams, ceiling, stair, column, pardis, bends, moulds, pattas, grooves, etc. including scaffolding, curing, finishing smooth (the plaster surface shall be troweled till the surface shows cement paste), and chipping the concrete at all levels including cost of all materials, transportation, lift, loading, unloading, curing, labour, tools and plants, taxes, duties, levies, octroi, royalties etc. complete as per direction of Engineer – In-Charge	6.60	Sqm		
11	Providing supplying and applying two or more coats of weather coats emulsion paint(water based) of approved make and shade of Royale Luxury Asian,Berger/Dulux" including cost of finishing existing wall surface with one more coats of wall primer (water base	6.60	Sqm		
12	Supplying, fitting & fixing of precoated galvanized iron profile sheet semi gloss of 1000mm width & total coated thickness 0.50mm in roof drilling hole in wind ties including fixing of ridges valleys, winde ties etc complete including cost of sheet & all fittings.	22.32	Sqm		
13	Providing, supplying, fabricating hoisting and fixing in position M.S. structure fabricated with M.S. channels, angle, flat, joist structure/Truss protection channels of reception dock, Runner & Purloin for laying Asbestos sheet provision etc. as per architectural drawing and design including cutting, electrical arc welding, grinding to smooth surface at all level for GI sheet roofing, drilling holes, welding tie with required GI 'L' hooks, nuts, washers & tar washers etc. and grouting with P.C.C. (1:1 ½:3 or M-20) as per design including 2 coats of first quality synthetic enamel paint of make Asian or equivalent all complete. including cost of all materials, transportation, loading, unloading, labour, tools & paints, taxes, duties, levies, lift, octroi, royalties etc. complete as per direction of Engineer-in-Charge	3.759	QTL		
Total Cost of Civil Work (A) =					

ELECTRICAL WORK AT SAMBALPUR DAIRY(B)					
WIRING SCHEDULE					
1	A Light Point wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires in 25 mm dia 16 SWG concealed conduit system including providing and fixing one no. 6 Amp. Single pole piano key switch in G.I. box with 3mm thick hylem sheet cover complete with 1.5 sq.mm. Circuit for one light point controlled by one switch.	2	No		
2	16 Amp. Power point with 4.0 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing on no. 16Amp. 3 pin /universal 6 pin, 250V socket out let and 16 Amp. 250 V piano key type switch in G.I. box with 3mm thick Hylem sheet cover one point on one circuit.	4	No		
3	6 Amp power points wiring with 1.5 sq.mm. PVC insulated Copper conductor 650V grade wires and 1.0 sq.mm. Green PVC insulated copper earth wire in 25 mm dia 16 SWG surface/concealed conduit system including providing and fixing one no. 6 A. 250 V piano key type switch, lighting switch board itself.	2	No		
4	Circuit wiring with PVC insulated 650V grade, Copper conductor wire for power and green PVC insulated copper conductor for earthing in 16 SWG surface/concealed conduit system, complete with MS draw out boxes and cover, wires and conduit sizes as given below:				
5	2 x 2.5 sq.mm. For power and 1x1.0sq.mm. for earthing in 25mm dia conduit (from BDB to individual switch board)	40	mtr		
6	2x4 sq.mm for power and 1x1.5 sq.mm. for earthing in 25mm dia conduit (from BDB to individual 16 A power socket)	40	mtr		
DISTRIBUTION SYSTEM					
7	Supply, installation, testing of company made 3phase meter approved by CSEU	1	No		
8	Supply, installation, testing and commissioning of company made distribution board of approved make and making good to all damages caused and inter connection with 2.5 sq.mm. Copper wire and complete with all respect fixing in the wall.				
	Light distribution board (6 way 3 phase BDB)				
8.1	Incoming: 40A TPN MCB: 01 Nos. Outgoing: 20A SP MCB : 03nos.	1	No		
INSTALLATION, TESTING AND COMMISSIONING OF LIGHTING FIXTURE					

9	Labor charges for Installation, testing and commissioning of light fixtures suitable for fluorescent lamps, directly on ceiling /beam/walls/trusses/ pergolas etc. complete with all accessories excluding lamps connecting with 1.5sq.mm. Copper conductor wires from Switch Board to light point.	2	No		
10	Labor charges for Installation, testing and commissioning of ceiling bracket fan with all standard accessories and connecting with 1.5 sq.mm. Copper conductor PVC wires complete as required.	1	No		
EARTHING AND LIGHT PROTECTION					
11	Providing and laying earth continuity conductor in ground/on surface of building with necessary clamps as required.				
11.1	G.I. bare of wire size- 8 SWG	10	rmt		
11.2	G.I. strip 25 x 5 mm	25	rmt		
12	Providing earth pit with G.I pipe electrode including all accessories complete as per IS 3043 - 1966	1	No		
LUMINARIES/LIGHT FITTING/LAMPS					
13	Supplies of standard Compact fluorescent lamp 12 watt each make Philips/Bazaz/HPL.	2	No		
14	Providing and supplying of 1.1 K.V. PVC 31/2 core x 10mm ² seethed Al armored service cable and metering unit to provide power supply from main source to the main switch with 8SWG GI wire to strengthen the cable. On liaisoning with respective power distribution company including application on behalf of OMFED and get charging order. 4 x 10 sq. mm. Armourd Al. cable	1	lot		
Total Cost of Electrical work (B)=					
Net Total Cost (A+B)=					
GST @ 18%=					
Grand Total Cost including GST=					