

**INDORE SAHAKARI DUGDH SANGH MARYADIT  
CHANDA TALAWALI, MANGLIA-INDORE (M.P)- 453771**

**E-mail:** sanchiindoreplant@gmail.com

*Ref No:* 3670 /ISDSM/PLANT/2024

*Date:* 21.11.2024

**E-TENDER NOTICE**

**TENDER COST: Rs.5000/-**

Online e-tenders (Two Bid System) are invited for the Supply, Installation & Commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer in Mini dairy plant Jhabua .The tender notice, tender documents, containing the terms and conditions can be purchased online & also submitted through following website <http://www.mptenders.gov.in> up to 16/12/24 at 02.30PM. EMD for the said work is Rs.50000/-. The detailed Tender Form can be seen (only for reference) at our H.O website: [www.sanchidairy.com](http://www.sanchidairy.com), Corrigendum/Amendment if any to this publication would appear only on the above mentioned website and will not be published elsewhere.

**CHIEF EXECUTIVE OFFICER**

**INDORE SAHAKARI DUGDH SANGH MARYADIT**  
**CHANDA TALAWALI, MANGLIA-INDORE (M.P)- 453771**

**E-mail:** sanchiindoreplant@gmail.com

*RefNo: 3670 /ISDSM/PLANT/2024*

*Date: 21.11.2024*

**The tender notice, tender documents, containing the terms and conditions can be purchased online & downloaded through following website <http://www.mptenders.gov.in>**

**E-Tender for Supply, Installation & Commissioning of Supply, Installation & Commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer from reputed Manufacturer/ Authorized Supplier for ISDSM**

**TENDER DOCUMENT**

Schedule I	: General Terms & Conditions.
Schedule-II	: Specifications
Schedule III	: Technical Bid
Schedule IV	: Form A & Form B
Schedule V	: Price Schedule
Tender Cost	: Rs.5000/- (Rupees Five Thousand only)
EMD	: Rs.50000/-
Tender Document Download/Sale End Date	: 25/11/24 Time 02:30PM
Bid Submission End Date	: 16/12/24 Time 02:30PM
Bid Opening Date	: 17/12/24 Time 02:30PM
Pre-Bid meeting Date	: 10/12/24 Time 02:30PM
Place of opening of Tender	: Office of the Indore Sahakari Dugdh Sangh Maryadit, Indore.
Address for Communication	: The CEO, Indore Sahakar Dugdh Sangh Maryadit Chanda Talawali, Manglia, Indore 453771.

**CHIEF EXECUTIVE OFFICER**

## **SCHEDULE-I (GENERAL TERMS AND CONDITIONS)**

**Indore Sahakari Dugdh Sangh Maryadit Indore invites online tenders (Two Bid System) for Supply, Installation & Commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer from reputed Manufacturer/ Authorized Supplier strictly in adherence to the detailed specification given in the Schedule II of the tender.**

### **1.0 Instruction to Bidder/Tenderer**

- (i) Bidder should read all terms & conditions of tender thoroughly before filling tender online.
- (ii) Scanned copy supporting document to be uploaded wherever required.
- (iii) Technical Bid, Form-A & Form-B shall be submitted online. Enclosed duly filled scanned copy to be uploaded.
- (iv) Price bid shall be filled online only. Physical form of price bid will be rejected out rightly.
- (v) Suppliers shall visit the site before quoting and fulfill the condition and requirement for jhabua mini dairy plant.

### **2.0 EARNEST MONEY DEPOSIT**

All the renderers are required to deposit Earnest Money on line. As the tender will be finalized the unsuccessful renderers will get back the EMD from MP TENDERS (as per their norms) online. Submissions of earnest money by any other mode than specified above shall not be acceptable and the related tender shall not be eligible for consideration.

#### **Earnest Money Deposit:-**

<b><u>Sr. no.</u></b>	<b><u>Item</u></b>	<b><u>Location</u></b>	<b><u>Qty/Capacity</u></b>	<b><u>EMDAmount</u></b>
1.	Supply, Installation & Commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer.	Mini Dairy Plant Jhabua	As per Tender Schedule	Rs. 50000/-

The earnest money deposit of the successful renderers will be released on completion of supply/work as the case may be within the stipulated period without any interest amount.

No interest will be paid on the earnest money for the period during which (the EMD) lying in deposit with Indore Sahakari Dugdh Sangh.Maryadit.

### **3.0 Scope of Work - Bidders Scope:-**

Supply, Installation, Testing & Commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer as per IS & IE rule.

### **4.0 DeliveryPeriod**

Material supply, installation & commissioning and trial run Within 90 days from the date of confirmed purchase order/work order.

## **5.0 Warranty**

Subject to terms of payment agreed upon being punctually complied with and the equipment being operated properly, the machinery conversed by this contract carries a Warranty against manufacturing defects for 15 months from the date of supply or 12 months from the date of installation, whichever is earlier. If any part of the equipment is put by supplier earlier for any reason whatsoever, the warranty period will commence from the date of such use Bidder agree to repair / replace such parts which may prove defective and which do not fail from neglect or misuse or faulty operation. The defective parts should be replaced by bidder, duly insured and freight prepaid for examination and agreement that they are defective. The return freight and insurance charges on such repaired or replaced parts will be borne by the bidder. No charge will be paid by us for work involved in the repair or replacement of defective parts during the Warranty period in the case of installations within the Municipal limits of any city where we have our own Branch or Service Center.

## **6. PREBID**

Pre-bid of this tender as per key dates mentioned on page no 2.

## **7. PRICE**

Price offered by the renderers should be firm and free from all escalations. The prices offered should be valid at least for a period of 12 months from the date of approval of rates; we would communicate our rate approval within 30 days of opening of tender only to successful tenderer.

- a. The tenderer should quote rate only F.O.R. Jhabua dairy plant.
- b. Other all duty, if applicable at the destination, shall be borne by the supplier.

## **8. TENDER OPENING**

Tender will be opened online on scheduled date and time in front of tender committee and representative of tenderer.

Online Technical Bid will be opened first & only on verification of technical bid & supporting documents, online price bid will be opened.

Price bid of only those tenderer shall be opened who fulfill all criteria of technical bid successfully.

## **9. ELIGIBILITY CRITERIA**

- Tenderer should submit supplier's List with contact detail/ Purchase order copy/ performance report.
- The tenderer should submit copy of IT Return for Last Three years.
- The tenderer should submit copy of PAN Card & GST.

- The tenderer should submit Filled Form-A & Form-B & attached related document as per Form A&B.
- The tenderer should submit copy of Firm Registration certificate.
- The tenderer should submit At least one completion certificate copy of similar nature of work done by tenderer in recent years.

#### **10. PAYMENT**

- 60% after supply of all required material for said work at site & submitting original invoice.
- 30% after installation, commissioning and successful trial run of machine at site
- Balance 10% after submission of Performance Bank Guarantee (Nationalized Bank) of 10% equivalent amount valid for 12 months from the date of successful trial run of machine.

#### **11. GENERAL TERMS AND CONDITIONS**

The acceptance of the tender and award of the purchase order will be the sole right of the CEO Indore Sahakari Dugdh Sangh Maryadit, who does not bind himself to accept a tender in whole or part or reject any or all the tenders received without assigning any reason and no explanation can be demanded of the cause of rejection of the tender by any tenderer. If the tenderer fails to make supply within the stipulated time mentioned in purchase order then they may be black-listed and EMD also may be forfeited.

- Negligence on the part of tenderer in filling the tender offers no right to withdraw the tender after it has been opened.
- The tenderer should send the offers along with detailed technical specification, necessary document etc., which will form the basis of tender and integral part thereof.
- The CEO Indore Sahakari Dugdh Sangh Maryadit reserves the right to place order for sole requirement with any tender or split the orders among one or more tenderers.
- The tenders received against the advertisement up to the specified time limit only shall be considered.
- The Indore Sahkari Dugdh Sangh Maryadit shall not be bound to accept lowest rate tender.
- The submission of a tender by a tenderer implies that he has read the notice and conditions of the tender and the terms and conditions of contract and has made himself aware of scope and specification of the suppliers to be made and the destination where the supply have to be made and satisfied himself regarding the quality and specifications of the articles.
- The tenderers should submit tender in online format only.
- No person or firm is permitted to submit more than one tender under different names.
- The conditional tenders are liable to be rejected.
- Each page of the technical Bid and its enclosure should be signed & sealed at the bottom by the tenderer.
- The supplier shall not sublet the supply or assign to any other party or parties, the whole or any portion of the contract.
- Required utilities like electric supply, water supply will be provided at only one point /control power for above system by ISDSM.
- The successful tenderer has to execute an agreement with this office on Non-Judicial stamp paper of Rs.1000/-within 10 days after allotment of work.

### **LIQUIDATED DAMAGES**

The time period and the date of delivery of the material/services stipulated in the purchase/work order shall be deemed to be the essence of the contract. Once firm delivery date(s) are fixed for supply of material, they shall be strictly adhered too. In case they are not followed or in case of delay in execution or non-execution of the order, the Dugdh Sangh reserves the right either to cancel the order and make alternative purchase/ arrange the completion of job from other sources, at the risk and cost & expense of the defaulting supplier. In case the suppliers & services are not affected as per the schedules, the liquidated damages may be charged on the goods/services not so delivered as under:

#### **(A) For supply, installation and commissioning**

<b>S.No.</b>	<b>Duration of delay</b>	<b>Liquidated Damages</b>
1.	1 Month	1%
2.	1 to 3 Months	2%
3.	Beyond 3 Months	5%

### **WHARFAGE/DEMURRAGE**

Wharf-age/Demurrage etc. on account of incorrect or delayed dispatch of material of document shall be the responsibility of supplier and shall be recovered from his bill.

### **DISPUTE ARBITRATION & FINAL AUTHORITY**

- It should be clearly understood that in the event of tenderer failing to accept and execute the Purchase order, decision of the CEO, Indore Sahakari Dugdh Sangh Maryadit, in this respect will be final and binding on the tenderer.
- At the time of submitting the tender, tenderer shall supply detailed information about their activities in the enclosed form.
- For all matters of dispute, the decision of the Managing Director (MPCDF BHOPAL) shall be final in case of any dispute under Arbitration and Conciliation Act.1996 shall be final and binding on all the concerned.
- For all judicial issues the venue of jurisdiction shall be Indore only.
- If the tender opening date become any govt. holiday then the next day may considered for tender opening.

**CHIEF EXECUTIVE OFFICER**

**SIGNATURE OF TENDERER**

**SCHEDULE– II**

**TECHNICAL SPECIFICATIONS**

**Specification for supply, installation and commissioning of New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer**

**2.1 Requirements for Electricity Supply**

<b>SNo.</b>	<b>Particulars/Parameters:</b>	<b>Specification</b>
1	New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer	As per Tender B.O. Q. / Schedule

**SIGNATURE OF TENDERER**

#### **SPECIAL CONDITON-1**

- 1- The work shall be carried out as per latest MPPKVVCL specifications only.**
- 2- The work not as per Electrical Specification in force shall be rejected.**
- 3- The successful tendered shall make his own arrangement for supply of material and electricity power at their expense as required for the execution of work.**
- 4- The tendered shall have to arrange all facilities for the inspection of the work and to arrange for the work from authorities government agencies.**
- 5- The successful tendered shall make his own arrangement for transport of all materials.**
- 6- The work “as described” as specified as shown “as directed” as approved “ or” “ as required” shall be meant as described in specification, schedule of quantities and other tender documents and as directed of approved by MPPKVVCL.**
- 7- The Contractor shall Have “A” Class valid Electrification Licenses.**
- 8- The Contractor should bring all the required for work at site No material will be provided to contractor from department and got them checked by Engineer-in-Charge.**
- 9- Bidders are required to offer their bids Exclusive of Applicable GST. The GST shall be paid by ISDSM to the contractor separately**



# INDORE SAHAKARI DUGDHA SANGH MARYADIT CHANDA TALAWALI, MANGLIA



**INDORE 453771**

As ISO 9001:2000 Certified Organization Plant E-Mail :

sanchiindoreplant@gmail.com / sanchimsids@gmail.com ,9425912919

## **SCHEDULE-IV**

**(To be submitted along with the offer)**

### **Form-A**

Chief Executive Officer  
ISDSM, Indore

Date:

Dear Sir,

I/We here by furnish below some particulars about our company/unit which will form a part of our offer submission:

1. Name of the Co./Unit : \_\_\_\_\_
2. Address of the Co./Unit: \_\_\_\_\_
3. Telephone Nos. (with STD Code): \_\_\_\_\_  
FAX No. : \_\_\_\_\_  
Email ID : \_\_\_\_\_
4. Name of the CEO/Proprietor/ Partner : \_\_\_\_\_
5. Name and designation of other: \_\_\_\_\_  
Authorized signatory of the Co./Unit.
6. Particulars of Regn. Certificate as a  
Manufacturer Issued by the competent  
authority  
(Regn No. & Date)(Enclosed Copy): \_\_\_\_\_
7. GSTNO. \_\_\_\_\_ dated \_\_\_\_\_
8. Work completion certificate (Similar nature of work): \_\_\_\_\_
9. Details of PAN CARD(Enclosed Copy): \_\_\_\_\_
10. Income Tax return(Enclose Copy): \_\_\_\_\_
11. Name of Bank & RTGS/NEFT No.: \_\_\_\_\_  
Enclose cancelled cheque: \_\_\_\_\_
12. Have your Co./Unit or its sister concern ever been black listed/debarred by ISDSM or its sister Milk Unions  
or GOI/GOMP& its undertaking ? YES/NO
13. If Yes, when & Why? Give reason in details

**SIGNATURE OF TENDERER**

I/WE HAVE READ THE TERMS AND CONDITIONS OF THE TENDER DOCUMENT WHICH ARE ACCEPTABLE  
TOME/US.NO ADDITIONAL CONDITION, DEVIATION OR POINT OF DIFFERENC EHASBE ENGIVEN BY ME/US.  
IAM PROPRIETOR / MANAGER/ DIRECTOR \_\_\_\_\_ OFTHE TENDERING FIRM AND HAVE BEEN  
AUTHORISED TO SUBMIT. THE AUTHORITY LETTER IN THIS REGARDS IS ENCLOSED HERE WITH.

DATE:

SEAL AND SIGNATURE OF TENDERER  
NAME OF SIGNATORY  
DESIGNATION

**Seal & Signature of the  
Authorized Signatory of the Co./Unit**

**SCHEDULE IV**

**(To be submitted along with the offer)**

**Form B**

**CHIEFEXECUTIVE OFFICER**

**Date:**

**ISDSM, INDORE**

Dear Sir,

I/We furnish here below more particular about our Company/Unit which will form a part of our Tender rate submission against your Tender Notification No. \_\_\_\_\_ Dated \_\_\_\_\_:

1. Items manufactured at our Unit : \_\_\_\_\_

2. Capacity of the Plant : \_\_\_\_\_

3. Is there any break in your production/  
business activities during the past 5 : \_\_\_\_\_  
years period ? If so, give details thereof.

4. Your customers/client on current list :1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_

5. Have/Are you supplied/supplying  
:items of similar nature to any Dairies  
under coop. sector ? if yes to whom  
and how long?

I/We here by undertake that information furnished in the Tender documents are correct to the best of our knowledge and belief.

**Place:**

**Date:**

**Seal & Signature**

Authorized Signatory of the Co./Unit

**Schedule for New 11 KV HT Connection on 11/0.433KV, 315KVA Transformer.**

Sr. No.	Description of Item	Unit	Qty.	Rate	Amount
<b>1</b>	Supply of support for over headline on H Beam of I.S. standard Including drilling of Required hole etc. complete as required.				
<b>i</b>	R.S. Joist 175x85-19.3kg/metre 9 mtr	No	1		
<b>ii</b>	H-Beam152x152mm,Stdweight37.1Kg/Mtr 11mtr	No	6		
<b>2</b>	Prima coat over new steel and other metallic surface with red oxide zinc chromide paint complete with supply of material labour etc. including preparation of surface.	Ltr	15		
<b>3</b>	Prima coat with aluminium paint, brushing complete with material and labour Including preparation of surface.	Ltr	15		
<b>4</b>	Erection of RS Joist pole/'H' beam/steel tubular/steel rail pole of length exceeding10 metres but not exceeding 15 metres in cement concrete M-10(1cement:3coresand: 6 graded stone aggregate 40mm nominal size) base, foundation, muffing including Excavation and back refilling etc. as required.	Each	7		
<b>5</b>	Supplying and erection of stay set complete with 16mm.dia 1.8 metre long stay rod, turn buckle, anchor plate of size 200mm x 200mm x 6.0mm, stay clamp, bow tightener,7/3.15 dia G.I. stay wire etc. in cement concrete M-10 (1 cement : 3 coarse and : 6 graded stone aggregate 40mm nominal size) foundation including excavation And back refilling etc. as required.	Each	2		
<b>6</b>	Supply & fixing anti climbing device with 2ply G.I. barbed wire1Kg. per pole complete As per MPPKVCO. Specification.	Each	6		
<b>7</b>	Supply, laying and fixing of G.I. earth coil of 4 mm dia G.I. wire having 120 turns of Nearly 50 mm dia. and 3mt. long tail in existing pit duly earthed with pole etc complete as required as per specification.	Each	7		
<b>8</b>	Supplying and fixing 33/11/0.4KVenameloated Danger board size 200x250mm with clamp on existing HT/LT structure/poles.	Each	6		
<b>9</b>	Supplying, installing, testing and commissioning of11/0.4 KV 3 Phase 50 cycle oil immersed, naturally cooled, outdoor type transformer connected delta on H.T. side and star on L.T. side, dehydrating silica gel breather on eye level, rating and diagram plate, two earthing terminal, lifting lugs, oil level gauge, drain valve with plug, temperature not exceeding 50°C on load, oil filling hole with plug, four unidirectional roller, arcing horns, explosion vent, terminal arrangement bushing on H.V. side and cable box on LV side, first filling of oil up to desired level and transformer installing on existing structure with all required materials arrangement as required ISI marked & as per IS specification, hand operated off load tap changer switch above 100 KVA, oil conservator with drain valve, plug 63 KVA and above. (Copper Wound 315KVA Energy efficiency level-2 (Newlevel-1))	Each	1		

10	Supplying, installation, testing and commissioning of triple pole outdoor type 11KV/33KV vacuum circuit breaker with outdoor control & relay panel with numerical static relay for feeder protection (1F). The installation of VCB shall be carried out in accordance with IS:3072. The VCB shall be mounted on suitable size duly painted MS channel/angle iron structure with nut bolts and washer. The structure shall be fixed on existing cement concrete foundation. The complete work should be done as per IS specification. (11KV630AVCB)	Each	1		
11	Supplying, installation, testing and commissioning of single phase C.T./P.T. outdoor type 11KV/33KV with terminal box. The C.T./P.T. shall be mounted on existing structure fabricated with suitable size MS channel/angle iron structure with nut bolts and washer duly painted. The structure shall be fixed on existing cement concrete foundation as per IS specification as mentioned below. (11KV CT outdoor type 200-100/5Amp)	Each	3		
12	Supplying, installation, testing and commissioning of single phase C.T./P.T. outdoor type 11KV/33KV with terminal box. The C.T./P.T. shall be mounted on existing structure fabricated with suitable size MS channel/angle iron structure with nut bolts and washer duly painted. The structure shall be fixed on existing cement concrete foundation as per IS specification as mentioned below. (11KV/110V single phase PTs Oil immersed)	Each	3		
13	Supplying, installation, testing and commissioning of indoor control relay panel shall consist of ammeter, voltmeter, selector switch, auxiliary relays for anti pumping device, trip and alarm of buchholz relay, oil and winding temperature circuit, electronic hooter, 230 V AC to 110 V DC power pack with charging equipment for closing, tripping and indication, triple pole IDMTL two O/C and one E/F delay with current setting range 50-200% and 10-50%, push button high speed trip relay etc. complete as per IS specification.	Each	1		
14	Supplying and erection of single piece nonlinear resistor polymer type lighting arrester (set of 3 nos) for 3 wire, 11 KV overhead lines/sub-station with rated voltage of 9KV (rms) with a nominal discharge current rating of 10 KA and complete with galvanized clamping arrangement, G.I. bolts, nuts, washer etc. as required.	Set	1		
15	Supplying, installing, testing & commissioning of outdoor H.T., AB switch assembly set gang operated with brass contact parts, including required GI pipe operating rod, handle & locking arrangement on On-Off position conforming to IS complete with required material and installing on existing DP structure to complete the job as required as per specification. (Set of 3 nos.) (11 KV, 400Amp)	Set	1		
16	Supplying, installing, testing & commissioning D.O. fuse assembly with brass part contact for 33 or 11/0. 4KV DP Structure set of 3 Nos. with fuse barrel i/c required fuse element & other materials as per specification on existing D.P. structure as required. (11KV)	Set	1		
17	Supplying and erection of 11KV (5KN) polymer pin insulator complete with long steel Head G.I. pin, nut, washer etc. as required.	Each	8		
18	Supplying and erection of 11 KV (45KN) Polymer disc insulator for 11KV overhead lines With galvanized insulator fittings, ball and socket type, and complete with galvanized strain clamp, bolts, nuts washer etc. as required.	Each	18		

19	Supplying and drawing all aluminium alloy conductor (AAAC) of approved make conforming to IS 398-1979 Pt. IV, including binding at existing insulator, jointing, jumpering, tearing off, connecting etc. as required including clearing of obstacles (if any) (AAAC 0.075sq inch ( 80sq. mm Al. EQ.)-(Raccoon))	Km.	0.18		
20	Supply and erection of approved make safe earthing electrode consisting pipe-in-pipe technology as per IS 3043-1987 made of corrosion free G.I. pipes with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for effective and maintenance free earthing in earth pit of minimum bore dia. 150mm size, as mentioned below: (With 3 metre G.I. pipes having outer pipe dia of 50mm having 80-200 micron galvanizing, Inner pipe dia. of 25mm having 200-250 Micron galvanizing, connection terminal dia. of 12mm in nominal soil with 50 kg (two bag) back filling bentonite compound UL listed and confirm to relevant International /Indian standards around electrode upto ground level. )	Each	12		
21	Supply and installation of poly carbonate heavy duty pit cover tested for 5000Kg SWL for earth electrode at ground level size 300x300x155 mm with lockable lid.	Each	12		
22	Supply and laying 25mmX5mmG.I.strip at 0.5 metre below ground level as strip earth electrode including jointing etc. as required.( 25x5 mm G.I. strip)	Mtr.	150		
23	Supply of approved high-tension XLPE cable (conforming IS-7098/II/85) as per ISI standard 3 core armoured with alu. solid/stranded conductor ISI marked as required (3 core XLPE cable 11Kv grade 120 sq. mm.)	Mtr.	15		
24	Providing & Making cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 33KV/11KV 3core XLPE alum. conductor cable as required as per specification and as per accepted standard including connection testing complete. (Heat shrinkable joint, kit 11KV XLPE, 3x70-120sq.mm.)	Each	2		
25	Supply of XLPE insulated power cable (conforming IS-7098Part-I) 1100Vlt grade, 1 core/ 2core/3½ core/4 core ISI marked with alu. stranded/solid conductor (1Cx300Sqmm) Armoured Cable	Mtr.	30		
26	Supplying and fixing heavy duty Brass compression cable gland for P.V.C. insulated armoured cable with brass washer, rubber ring complete erected with cable and lead connection etc. as per specification complete.(Gland size 19mm, 25mm)	Each	12		
27	Supply of XLPE insulated FR-LSH heavy duty power cable conforming IS-7098 (Part-1) 1988, 1100 Volt grade, 2/3/4/8/10/12 core ISI marked with copper stranded/solid conductor.				
i	Armoured 2 core, 2.5sq.mm.	Mtr.	30		
ii	Armoured 4 core, 2.5sq.mm.	Mtr.	30		
iii	Armoured 8 core, 2.5Sq.Mm.	Mtr.	30		
iv	Armoured 12 core, 2.5Sq.Mm.	Mtr.	45		
28	Laying of LT Aerial bunched XLPE cable of size 1X120+1X16+1X70 Sqmm ( Insulated Neutral messenger)	Mtr.	35		

29	Supply, fabrication and erection of angle/channel/flat iron fitting for overhead line & sub-station etc such as 'D' bracket, cross arms, top clamp, 'V' cross arms, back/support clamp or other similar work etc. including nut bolts of required size, making holes, fabrication, welding, cutting, etc. and painting with one coat of red oxide paint & two coat of aluminium paint as required as per specification.	Kg.	800		
30	Supply, fixing & commissioning of LT Distribution box with 1.2mm thick MS powder coated sheet, 500 A MCB on Incomer & 4 No 250 A HRC fuse base including 200 A HRC fuse , for 315 KVA Transformer.	No	1		
31	Supply & fixing fencing of chain link mesh100x100mm,12 SWG GI wire for electric sub-station switch yard including single post of angle iron size 50x50x5mm, 2.5 mt long should be provided upto 2.00 mt. apart or as required with angle iron/ flat iron members/cross members including mesh fix on frame and erected between the post. The angle iron post shall be erected in cement concrete M-15 (1:2:4)(20mm graded metal) foundation, cement concrete, excavation of pit and refilling the same. The fencing shall be provided with one entrance gate including locking arrangement as required as per specification. The height of fencing shall be 2mt. above ground level. Fencing shall be painted with required shade.	M2	76		
32	Designing and construction of pedestal (plinth) for transformer of desired size including excavation in hard rock/soft rock, base concrete M-7.5 (1:4:8), 20mm metal and pedestal of RCC M-15 (1:2:4) including required tar steel reinforcement for required height as per IE rules from base concrete including shuttering and finishing with 10mm thick plaster in cement mortar 1:3 curing & white washing etc. complete as per specifications.	M3	8		
33	Collection and spreading of metal dust, murum and 40 mm graded hard metal in sub-station yard or as required as mentioned below - (Metal 40 mm)	M <sup>3</sup>	7.8		
34	Supplying and fixing crimping type alum. lugs as per I.S.S. specification suitable for following size of cable with alu./ copper solid / stranded conductor evenly crimped with high/pressure tool and connected to switch gear /bus / M.C.C.B./M.C.B. etc. as Required complete.				
i	90sq.mm.	Each	4		
ii	300sq.mm.	Each	12		
		<b>Total</b>			

## **SCHEDULE- V**

### **PRICE BID**

#### **Price bid of Supply & Installation of 11/0.433KV, 315 KVA Substation for Milk cold storage 100 KL capacity.**

S.n	Items (As per technical specifications schedule II)	Price Quoted Unit Rate (In Rupees.) (Including, Packing and Forwarding, GST, Transport charges, Loading, Unloading, Insurance, Installation and commissioning and training to ISDS operator.
1.	Supply, Installation & Commissioning of Supply, Installation & Commissioning of 11/0.433KV, 315KVA Substation.	

**SIGNATURE OF TENDERER**