MAHANAND DAIRY

Ph: 26856360/61 26856071/585 Fax: 26856596

MAHARASHTRA RAJYA SAHAKARI DUDH MAHASANGH MARYADIT Unit No. 12, Aarey colony, Western Express Highway, Goregaon (E), Mumbai-400 065



MRSDMM

Ref.No.MND/6/ENGG/2023-24 / 2353

Date:-	04/01	12024
Date	04/01	1/2024

To,	M/s.	Under Postal Certificate
	Wirs.	

Dear Sir,

Kindly submit your lowest offer for the following items mentioned below. Quotations may please be sent to us on or before 16.01.2024. Quotation received after the due date mentioned here in will not be considered. Quotation should be send in sealed cover duly marked as "Quotation for: AMC FOR 1) Preventive & Breakdown Maintenance of H.T. Panel 2) Preventive & Breakdown Maintenance of L.T. Panel 3) Preventive & Breakdown Maintenance of Transformer 4) I.R. Test E) Earth Resistance Measurement

Sr No	Description	Quantity Required
	SUB:- AMC FOR 1) Preventive & Breakdown Maintenance of H.T. Panel 2) Preventive & Breakdown Maintenance of L.T. Panel 3) Preventive & Breakdown Maintenance of Transformer 4) I.R. Test 5) Earth Resistance Measurement.	01 JOB
	Details : As per sheet enclosed. TERMS AND CONDITIONS :	
	 (1) Party can inspect the job at Mahanand Dairy & can have further discussion for clarification if any. (2) Rate should be quoted with Labour & material charges. (3) The rates should be inclusive of all applicable taxes, such as WCT, ESIS etc., if any. (4) The party may inspect the job and can have discussions for the clarifications, if any. (5) Payment will be made after satisfactory completion of work and satisfactory trial run on load for one week. (6) All testing instrument should be NABL approved. (7) Testing report should be submit after completion of work. 	

Act. Manager (Engg.)

SCOPE OF WORK:

AMC FOR

- 1) Preventive & Breakdown Maintenance of H.T. Panel
- 2) Preventive & Breakdown Maintenance of L.T. Panel
- 3) Preventive & Breakdown Maintenance of Transformer
- 4) I.R. Test
- 5) Earth Resistance Measurement.

1) H.T. Panel:

i) Carryout preventive & Breakdown maintenance & Testing of Vacuum Circuit Breakers.

VACCUM CIRCUIT BREAKER - 06 NOS.

Details:

MODEL	VMAX 12.12.25
INSULATION LEVEL	28KV/75KVPK
SHORT CIRCUIT BRAKING CURRENT	263 KA
RATED V	12KV.
RATED A	800
FREQUENCY	50HZ.
SHORT CIRCUIT CURRENT DURATION	3 SEC.
SHORT CIRCUIT MAKING CURRENT V	66 KAPK
OPERATINGSEQUENCE	O-0.35-CO.3 MIN-CO.
CLOSING COIL SUPPLY VOLTAGE	110VDC.
OPENING COIL SUPPLY VOLTAGE	110VDC.
ADDITIONAL TRIPING COIL VOLTAGE	230VAC
MAKE	ABB

ii) Carryout Testing of HT Panel Protection Relays.

Details:

Sr. No.	DESCRIPTION	QTY.
1.	IDMT OVER CURRENT + EARTH FAULT RELAY WITH SHORT CIRCUIT TYPE: N41, O/C SETTING: 50-200% OF 1 A, E/F SETTING: 10-40% OF 1A, INSTANEOUS SETTING: 200-2000%, FLUSH MOUNTING TYPE, MAKE: ABB	06 NOS.
2.	TRIP RELAY TYPE: PQ8NCH2JS, AUX. SUPPLY: 110 VDC, 3NO+1NC CONTACT, CASE SIZE: 1/4 w, MAKE: ABB	06 NOS.
3.	TRIP CIRCUIT SUPERVISION RELAY TYPE: TCS, 110 VDC, FLUSH MOUNTING TYPE, MAKE: ABB	06 NOS.
4.	AUX. RELAY FOR TRANSFORMER FAULT TYPE : CV 2D2J, AUX. SUPPLY : 110 VDC, 2 ELEMENT, MAKE : ABB	12 NOS.



2) L.T. Panel:

- i) Carryout Preventive & Breakdown maintenance of L.T.Panel 07 Nos. (Power House 04 Nos. , Refrigeration Section – 03 Nos.)
- ii) Carryout Preventive & Breakdown maintenance of ACB & Testing of protection relay with necessary testing instrument as per I.E. rule 1956. 20 Nos.

1	TYPE : 3 WIS RATING : 2000 A MAKE - RISMENS	
	THE STORY OF THE STEMENS	12 NOS
2.	AIR CIRCUIT BREAKER	
4 .	TYPE: 3 WT8, RATING: 1000 A, MAKE: SIEMENS	02 NOS
3.	AIR CIRCUIT BREAKER	
· · · · · · · · · · · · · · · · · · ·	TYPE: 3 WT8, RATING: 800 A, MAKE: SIEMENS	03 NOS
4.	AIR CIRCUIT BREAKER	
TYPE: 3 WT8, RATING:	TYPE: 3 WT8, RATING: 1600 A, MAKE: SIEMENS	01 NO.
5 AIR CIRCU	AIR CIRCUIT BREAKER	
· · · · · · · · · · · · · · · · · · ·	TYPE: CN - CS 2000C, RATING: 2000 A, MAKE: L & T	01 NO.
6.	AIR CIRCUIT BREAKER	
	TYPE : CN - CS 1250C, RATING : 1250 A, MAKE : L & T	01 NO.

3) TRANSFORMER

- i) Carryout oil filtration to improve Di-electric strength of oil as per I.E. rule 1956.- 04 Nos.
- ii) Replace the silica Gel if its color changes to pink. 04 Nos.
- iii) Testing of MOG, Winding and Oil temperature alarm, Buchholz relay. 04 Nos.
- iv) Supply & Replacing of complete Gaskets and Oil Seal of HT & LT Bushings 02 Set (For Transformer No. 2 & 3)

TRANSFORMER - 04 NOS.

Details:

MAKE - ETE	TEMPERATURE RISE IN ON °C - 45
MAKERS SR No. K175	IMPEDANCE VOLTAGE: 5% - 5.49
TO INDIAN STANDARD: 2026 - 1962	CARE & WINDING Kg 1770
CAPACITY: 1000 KVA	WEIGHT OF OIL Kg 790
VOLTS AT NO LOAD: HV - 11000 LV - 433	TOTAL WT Kg 3620
AMP: HV - 52.5 LV - 1334	OIL LITERS - 880
PHASE: HV - 3 LV - 3	VECTOR SYMBOL: DY11
FRIQUENCY: C/5 - 50	

4) I.R. TEST

Carryout I.R. test of Electrical control panels - 36 Nos.

5) EARTH RESISTANCE MEASUREMENT

Carry out Measurement of Earth resistance of earth electrodes installed in substation & Prepack, Process section, ETP, Boiler, Head office, Weigh bridge, Aseptic plant, New Product section etc. of Mahanand Dairy premises using rotating type earth tester & proper works includes cleaning of joint strips applying Petroleum Jelly & replacing bolts & nuts as per I.E. rule 1956.



3

Earthing Pits Quantity = 82 Nos.

EARTHING PITS DETAILS

EP1	EARTH PIT NO.	DETAILS OF EQUIPMENTS OF EARTH PIT	EARTH PIT STATION
P3	EP1		NEUTRAL -1
PA	EP2	TRANSFORMER NO. 4	NEUTRAL -2
EP5 EP6 EP6 FRANSFORMER NO 2 NEUTRAL - 1 NEUTRAL - 2 BODY - 1 BODY - 2 EP9 BODY - 1 BODY - 2 BODY - 3 BODY - 3 BODY - 3 BODY - 3 BODY - 4 BODY - 3 BODY - 4 BODY - 3 BODY - 4 BODY - 3 BODY - 4 B	EP3	TRANSFORMER NO 1	BODY – 1
EP5	EP4		
PF6 PF7	EP5		
EP7	EP6		
EP8		TRANSFORMER NO 2	A STATE OF THE STA
EP9			
EP10			
EP11			
EP12		TRANSFORMER NO 3	
EP13			
EP14			
EP15	The state of the s		The second secon
BODY - 2		TRANSFORMER NO 4	
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BODY-2	and the state of t		
BODY-2 BODY-2 BODY-2		HT PANEL	
EP20 L.T.PANEL BODY-2 EP21 BODY-3 BODY-3 EP22 BODY-4 BODY-4 EP23 NEW PRODUCT DDC PANEL (AUTOMATION) BODY-1 EP24 BODY-1 BODY-2 EP25 NEW PRODUCT PCC PANEL BODY-2 EP26 BODY-3 BODY-1 EP27 BODY-1 BODY-2 EP28 NEW PRODUCT LIFT PANEL BODY-2 EP29 BODY-1 BODY-3 EP30 BODY-3 BODY-4 EP31 LIGHTNING ARRESTER (PO HOUSE) BODY-4 EP32 BODY-3 BODY-2 EP34 BODY-3 BODY-3 EP34 BODY-3 BODY-4 EP36 BODY-4 BODY-3 EP37 PROCESS PANEL BODY-1 EP38 BODY-4 BODY-2 EP39 BODY-4 EP40 EP40 SILO LIGHTNING ARRESTER L ARRESTER - 1 EP41 PREPACK PANEL BODY-1 EP42 PREPACK PA		111174422	
EP21			
EP21 BODY-3 BODY-4	EP20	LTDANEL	BODY-2
P23	EP21	L.I.PANEL	BODY-3
BODY-1 BODY-2 BODY-3 BODY-3 BODY-2 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-2 BODY-3 BODY-2 BODY-3 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-1 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-2 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-1 B	EP22		BODY-4
REP25	EP23	NEW PRODUCT DDC PANEL (AUTOMATION)	BODY-1
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BODY-3 BODY-1 BODY-2 BODY-2 BODY-2 BODY-3 BODY-2 BODY-3 BODY-3 BODY-3 BODY-3 BODY-3 BODY-4 BODY-3 BODY-4 BODY-4 BODY-4 BODY-4 BODY-2 BODY-1 BODY-2 BODY-2 BODY-2 BODY-2 BODY-3 BODY-2 BODY-3 BODY-3 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-2 BODY-3 BODY-3 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-3 BODY-4 BODY-4 BODY-4 BODY-4 BODY-5 B	EP25	NEW PRODUCT PCC PANEL	BODY-2
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REP29 NEW PRODUCT LIFT PANEL BODY-3			
BODY-4		NEW PRODUCT LIFT PANEL	
EP31			
BODY-1 BODY-2 BODY-3		LIGHTNING ARRESTER (PO HOUSE)	20211
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EP54 HEADOFFICE SWITCHROOM PANEL BODY-1 EP55 LIGHTNING ARRESTER HO L ARRESTER - 1			



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EARTH PIT NO.	DETAILS OF EQUIPMENTS OF	
EP-56	EARTH PIT	EARTH PIT STATION
EP-57	PCC DANE	BODY-1
EP-58	PCC PANEL	BODY-2
EP-59	the second desired desired desired desired and the second	BODY-1
EP-60	UPS PANEL	BODY-2
EP-61	OFS PANEL	BODY-3
EP-62		BODY-4
EP-63		BODY-1
EP-64	TRANSFORMER	BODY-2
EP-65	MANSFORWER	BODY-3
EP-66		BODY-4
EP-67	PACKING MACHINE	BODY-1
EP-68		BODY-2
EP-69	PACKING MACHINE	BODY-3
EP-70	CARDBORAD PACK MACHINE	BODY-1
EP-71	ON TOBOTAD FACK WACHINE	BODY-2
EP-72		BODY-1
EP-73	AIR COMPRESSOR	BODY-2
EP-74	07112	BODY-3
EP-75	STURLISER PLANT PANEL	BODY-1
EP-76	ALCEP PANEL	BODY-1
EP-77	FEV PLANT	BODY-1
EP-78		BODY-2
EP-79	LIGHTNING ARRESTER ASEPTIC PLANT	L ARRESTER - 1
EP-80	LIGHTNING ARRESTER NEW PRODUCT	L ARRESTER - 1
EP-81	WEIGHING BRIDGE	BODY
EP-82	NEW QUALITY CONTROL	BODY-1
		BODY-2

Act. Manager (Engg.)