



रामागुण्डम फर्टिलाइजर्स एण्ड केमिकल्स लिमिटेड

Ramagundam Fertilizers & Chemicals Limited

(A Joint venture company of NFL, EIL & FCIL)

Site Office: Fertilizer City, Ramagundam-505210,
Dist- Peddapalli, Telangana

BIDS ARE INVITED

FOR

SUPPLY OF SPARES FOR FLAMEPROOF MOTORS & 3P INDUCTION MOTORS

GeM Bid.No: GEM/2026/B/8079479

Oct-2026



Procurement through Government e-Marketplace (GeM)

NOTICE INVITING TENDER (NIT)

Dear Sir,

Ramagundam Fertilizers and Chemicals Limited (RFCL) was incorporated on 17th Feb 2015 for setting up Gas based Urea manufacturing plant at Ramagundam in Peddapalli district of the Indian state of Telangana with capacity of 2,200 MTPD Ammonia Unit and 3,850 MTPD Urea Plant. RFCL is a Joint Venture Company of National Fertilizers Limited (NFL), Engineers India Limited (EIL) and Fertilizer Corporation of India Limited (FCIL). RFCL intends to purchase subject materials for its Plant located at Ramagundam (Telangana). You are invited to participate through GeM portal.

1. Bids Are Invited for SUPPLY OF SPARES FOR FLAMEPROOF MOTORS & 3P INDUCTION MOTORS

GeM Bid No.	GEM/2026/B/8079479
RFCL NIT Ref No.	RFCL/2026-27/BS/Elect/50000220 & 50000221/140
Date	03.10.2026

It is presumed that accordingly, you can submit your bid and participate in this tender as per the requirements of the system. However, in case of any help/clarification, you may contact any one of the following:

1) Mr. Binayabrata Mahapatra, Sr Manager (Materials) I/c, RFCL, Fertilizers City, Ramagundam Email: binayabrata.mahapatra@rfcl.co.in	2) Mr. Basudev Sethi Assistant Manager (Materials), RFCL, Fertilizers City, Ramagundam Mob No: 9776162420 Email: basudev.sethi@rfcl.co.in
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2. Name & Addressee & Address of Consignee:

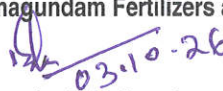
Dy Manager (Stores),
Ramagundam Fertilizers and Chemicals Limited (RFCL),
Fertilizers City – 505210.
Ramagundam (Mandal), Peddapalli (District),
Telangana state, India.
E-Mail: store.rfcl@rfcl.co.in; praveen.kumar@rfcl.co.in;

3. GST No:

Unit	GST NO.
Ramagundam, Telangana	36AAHCR2335P1ZY

4. In the event of any contradiction between General Terms & Conditions and Special Terms Enclosed with this NIT, the latter shall prevail.

Thanking You
For & On Behalf Of
Ramagundam Fertilizers and Chemicals Limited


Binayabrata Mahapatra
SM (Materials) I/C

BINAYABRATA MAHAPATRA
SENIOR MANAGER (MATERIALS)
Ramagundam Fertilizers and Chemicals Limited
Ramagundam-505210, Dist. Peddapalli (T.S)



ANNEXURES

Tender Ref.No: RFCL/2026-27/BS/ Elect/50000220 & 50000221/140

Sr. No.	Annexures	Particulars
1	Annexure- I	List of Items & Technical Specifications
2	Annexure- II	Special Terms & Conditions
3	Annexure- III	Tenderer Details
4	Annexure- IV	Declaration of Non-Blacklisting
5	Annexure- V	Local Content Declaration
6	Annexure- VI	BG Format for EMD
7	Annexure- VII	BG Format for SD

Annexure- I

List of Items, Technical Descriptions & Specifications of
“Supply of Spares for Flameproof Motors & 3P Induction Motors:

Sr.No	SAP Item Code	Item Description	REQ QTY & UOM	Vendor Remarks
1	REC00990004150019	3 Ph IM, 5.5kW, AC, 415V, 2956RPM, Frame:132S, 50Hz, Duty:S1, Ins Class:F, Mounting:V1, IP:55, Blowdown, Detailed spec as per annexure 3, EP4150019	1 Nos	Tenderer's confirmation
2	REC00990004150021	3 Ph IM, 18.5kW, AC, 415V, 2920RPM, Frame:ND160L,50Hz, Duty:S1, Ins Class:F/B, Mounting:B3, IP:55, HRSG- Seal FD Discharge, Detailed spec as per annexure 4, EP4150021	1 Nos	Tenderer's confirmation
3	REC00990004150038	3 Ph IM, 7.5kW, AC, 415V, 970RPM, Frame:ND160M, 50Hz, Duty:S1, Ins Class:F, Mounting:V1, IP:65, DG Radiator Fan, Detailed spec as per annexure 16, EP4150038	1 Nos	Tenderer's confirmation
4	REC00990004150040	88WN-1 ;45KW ;60HP ;AC ;415 V2960RPM ;FLC:75; CONNECTION:DELTA; FRAME:LF-225M; EFFECIENCY CLASS;; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex d IIA IIB; TEMP CLASS:T3; FLAME PROOF:YES; Detailed Spec as per annexure-1	1 Nos	Tenderer's confirmation
5	REC00990004150041	88GFD-SAF-1 ;7.5KW ;10HP ;AC ;415 V2920RPM ;FLC:13.6; CONNECTION:DELTA; FRAME:E132 M; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB; TEMP CLASS:T4; FLAME PROOF:YES; Detailed Spec as per annexure-2	1 Nos	Tenderer's confirmation
6	REC00990004150042	88GD-1 ;9.3KW ;12.5HP ;AC ;415 V2920RPM ;FLC:17; CONNECTION:DELTA; FRAME:E160L; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:65; ATEX:Ex d IIA IIB; TEMP CLASS:T4; FLAME PROOF:YES; Detailed Spec as per annexure- 17	1 Nos	Tenderer's confirmation
7	REC00990004150044	88TW-1 ;11KW ;HP ;AC;415 V2935RPM ;FLC:19.3; CONNECTION:DELTA; FRAME:LE160M; EFFECIENCY CLASS;; FREQUENCY:50HZ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T3; FLAME PROOF:YES;Detailed Spec as per annexure-5	1 Nos	Tenderer's confirmation
8	REC00990004150045	88DM-1 ;1.5KW ;2HP ;AC ;415 V1415RPM ;FLC:3.26; CONNECTION:STAR; FRAME;; EFFECIENCY CLASS;; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T4; FLAME PROOF:YES; Detailed Spec as per annexure-6	1 Nos	Tenderer's confirmation
9	REC00990004150046	PM-8005 ;0.75KW ;1HP ;AC ;415 V1410RPM ;FLC:1.75; CONNECTION:STAR; FRAME:80; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T6; FLAME PROOF:YES; Detailed Spec as per annexure-7	1 Nos	Tenderer's confirmation

10	REC00990004150047	EA-7701 ;11KW ;15HP ;AC ;415 V2925RPM ;FLC:19; CONNECTION:DELTA; FRAME:E160L; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T4; FLAME PROOF:YES ; Detailed Spec as per annexure-8	1 Nos	Tender's confirmation
11	REC00990004150048	PM-8005A ;1.1KW ;1.5HP ;AC ;415 V1410RPM ;FLC:2.45; CONNECTION:STAR; FRAME:90L; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T5; FLAME PROOF:YES ; Detailed Spec as per annexure-9	1 Nos	Tender's confirmation
12	REC00990004150049	PM-8003 ;0.37KW ;0.5HP ;AC ;415 V1415RPM;FLC:0.99; CONNECTION:STAR;FRAME:80; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T6; FLAME PROOF:YES ; Detailed Spec as per annexure-10	1 Nos	Tender's confirmation
13	REC00990004150050	BFP-1 AUX ;3.7KW ;5HP;AC ;415 V1450RPM;FLC:7.46; CONNECTION:DELTA;FRAME:112M; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex nA II; TEMP CLASS:T3; FLAME PROOF:YES ; Detailed Spec as per annexure-11	1 Nos	Tender's confirmation
14	REC00990004150051	400-PM-4204A ;0.37KW ;0.5HP ;AC ;415 V1410RPM ;FLC:0.97; CONNECTION:STAR; FRAME:E80; EFFECIENCY CLASS;; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T4; FLAME PROOF:YES ; Detailed Spec as per annexure-12	1 Nos	Tender's confirmation
15	REC00990004150052	OWS ;11KW ;15HP ;AC ;415 V2935RPM ;FLC:19.2; CONNECTION:DELTA; FRAME:160M; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T5; FLAME PROOF:YES ; Detailed Spec as per annexure-13	1 Nos	Tender's confirmation
16	REC00990004150053	CENTRIFUGAL PUMP ;0.75KW ;1HP ;AC ;415 V1410RPM ;FLC:1.75; CONNECTION:STAR; FRAME:80; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F/B; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T4; FLAME PROOF:YES ; Detailed Spec as per annexure-14	1 Nos	Tender's confirmation
17	REC00990004150054	DIESEL TRANSFER ;3.7KW ;5HP ;AC ;415 V2890RPM ;FLC:7.2;CONNECTION:DELTA; FRAME:E100L; EFFECIENCY CLASS:IE2; FREQUENCY:50HZ ;DUTY:S1; INSULATION CLASS:F; IP:55; ATEX:Ex d IIA IIB ; TEMP CLASS:T4; FLAME PROOF:YES ; Detailed Spec as per annexure-15	1 Nos	Tender's confirmation

annexure-3

Material Code	REC00990004150019
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor
2	Output kW	5.5 KW
3	Frame size	132S
4	No. of Phase	Three
5	Synch. RPM	2930
6	Frequency	50 + - 5%
7	Rated Voltage	415 + - 10%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Not Applicable
27	Cable gland entry size	From side of terminal box
28	Enclosure	TEFC

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

annexure-4

Material Code	REC00990004150021
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor
2	Output kW	18.5 KW
3	Frame size	ND160L
4	No. of Phase	Three
5	Synch. RPM	2920
6	Frequency	50 + - 5%
7	Rated Voltage	415 + - 10%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Left Side
27	Cable gland entry size	From side of terminal box
28	Enclosure	TEFC

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation



annexure-16

Material Code	REC00990004150038
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor
2	Output kW	7.5 KW
3	Frame size	ND160M
4	No. of Phase	Three
5	Synch. RPM	970
6	Frequency	50 + - 5%
7	Rated Voltage	415 + - 10%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Not Applicable
27	Cable gland entry size	From side of terminal box
28	Enclosure	TEFC

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-1

Material Code	REC00990004150040
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	45 KW
3	Frame size	LF-225M
4	No. of Phase	Three
5	Synch. RPM	2960
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	60 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Left Side
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T3
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-2

Material Code	REC00990004150041
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	7.5 KW
3	Frame size	E132 M
4	No. of Phase	Three
5	Synch. RPM	2920
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Left Side
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation



Annexure-17

Material Code	REC00990004150042
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	9.3 KW
3	Frame size	E160L
4	No. of Phase	Three
5	Synch. RPM	2920
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 65
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Left Side
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-5

Material Code	REC00990004150044
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	11 KW
3	Frame size	E160M
4	No. of Phase	Three
5	Synch. RPM	2935
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Top
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T3
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-6

Material Code	REC00990004150045
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	1.5 KW
3	Frame size	E90L
4	No. of Phase	Three
5	Synch. RPM	1415
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B5
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-7

Material Code	REC00990004150046
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor

Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	0.75 KW
3	Frame size	80
4	No. of Phase	Three
5	Synch. RPM	1410
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	I/IIA IIB
29	Temp Class	T6
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-8

Material Code	REC00990004150047
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	11 KW
3	Frame size	E160L
4	No. of Phase	Three
5	Synch. RPM	2925
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Left Side
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-9

Material Code	REC00990004150048
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	1.1 KW
3	Frame size	90L
4	No. of Phase	Three
5	Synch. RPM	1410
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	I / IIA IIB
29	Temp Class	T5
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation



Annexure-10

Material Code	REC00990004150049
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	0.37 KW
3	Frame size	80
4	No. of Phase	Three
5	Synch. RPM	1415
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	I / IIA IIB
29	Temp Class	T6
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-11

Material Code	REC00990004150050
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	3.7 KW
3	Frame size	112M
4	No. of Phase	Three
5	Synch. RPM	1450
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Top
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T3
30	Flameproof Enclosure	Ex "nA"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-12

Material Code	REC00990004150051
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	0.37 KW
3	Frame size	E80
4	No. of Phase	Three
5	Synch. RPM	1410
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Top
27	Cable gland entry size	From side of terminal box
28	Group	IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-13

Material Code	REC00990004150052
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	11 KW
3	Frame size	160M
4	No. of Phase	Three
5	Synch. RPM	2935
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	I/ IIA IIB
29	Temp Class	T5
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation



Annexure-14

Material Code	REC00990004150053
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	0.75 KW
3	Frame size	80
4	No. of Phase	Three
5	Synch. RPM	1410
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	V1
20	Insulation Class	F Class Limited to Class B
21	Connection	Star
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	NA
27	Cable gland entry size	From side of terminal box
28	Group	I/ IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation

Annexure-15

Material Code	REC00990004150054
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Sr. No	Scope of Supply
1	Designing, Manufacturing, Testing and supply of Energy efficient squirrel cage Flame Proof Induction motor (As mentioned in Technical Specification)
2	The motor shall be completed in all respect with shaft key, lifting eyebolt, 2 Nos. Earthing terminals on outside of enclosure and motor name plate.
3	The motor shall be statically and dynamically balanced
4	The motor shall be painted with one coat of rust preventive paint and two coats of epoxy-based corrosion resisting and abrasion resisting paint.
5	The motor shall comply scope of supply and the technical particulars and as given below.

Technical Specification of Electrical Motor		
Sr.No	Description	Requirements
1	Type of motor	Energy efficient Squirrel cage Induction motor (Flame Proof)
2	Output kW	3.7 KW
3	Frame size	E100L
4	No. of Phase	Three
5	Synch. RPM	2890
6	Frequency	50 + - 3%
7	Rated Voltage	415 + - 6%
8	Ambient Temp	50 Degree Centigrade
9	Area	Corrosive
10	Location	Out Door
11	Reference	IS: 325, IS 12615, IEC 60079-1, IEC 60034-1
12	Direction of rotation	Bi Directional
13	Lifting hook	Eyebolt
14	Duty	S1
15	Starting method	Direct on line
16	Hot start/Cold start	2/3
17	Minimum voltage at terminal during starting	80%
18	Degree of Protection	IP 55
19	Mounting Arrangement	B3
20	Insulation Class	F Class Limited to Class B
21	Connection	Delta
22	Paint	Epoxy Std
23	Shade no	631 of IS-5
24	External Earthing	2 Nos at enclosure
25	Efficiency	IE2
26	TB looking from NDE Side	Top
27	Cable gland entry size	From side of terminal box
28	Group	I/ IIA IIB
29	Temp Class	T4
30	Flameproof Enclosure	Ex "d"

Sr. No	Note's
1	All motor test reports shall be sent as per IS: 325 (latest version) along with motor.
2	Party shall submit Guarantee certificate at the time of supply of motor, against material and manufacturing defects/poor workman ship for a period of 18 months from the date of supply or 12 months from the date of commissioning.
3	Maximum vibration and noise as per IS: 12065 (latest version) respectively
4	The motor frame size shall be as per IEC dimensions IEC 72/IS-123 (latest version)
5	Party shall submit dimensional and technical details of the motor along with quotation



ANNEXURE-II

Tender Ref. No: RFCL/2026-27/BS/ Elect/50000220 & 50000221/140

SPECIAL TERMS & CONDITIONS

Pl confirm acceptance of terms and conditions as indicated below while submitting your offer:

S. No	Terms and Conditions	Tenderer's Confirmation
1	SCOPE OF WORK: Supply of Spares for Flameproof Motors & 3P Induction Motors as per Technical Specifications sheet attached delivered basis for RFCL site, Ramagundam On door delivery basis.	Tenderer's confirmation -----
2	PAYMENT TERMS: within 30 Days of issue of CRAC and online submissions of Bills.	Tenderer's confirmation -----
3	SUBMISSION OF TENDERS: Bids are invited under Single Part bid system. Tenderers must submit both "Technical" and "Commercial" Bids in electronic form. The tenders duly accompanied with bids, offered product catalogue / all necessary documents (As applicable) should be submitted Online Thorough GeM Portal within the Bid Closing Date and time stipulated in the Tender. All letters/ Correspondence are addressed to: Senior Manager (Materials) I/c, Ramagundam Fertilizers and Chemicals Ltd, Fertilizer City, Ramagundam - 505210, Dist-Peddapalli, Telangana.	Tenderer's confirmation -----
4	The tenderer shall quote price strictly in accordance with the terms and conditions of tender document. Tenders with quotation of different rate for different quantities shall be rejected without any further reference.	Tenderer's confirmation -----
5	Complete Catalogue/Literature as applicable, if any, should be sent along with the quotation.	Tenderer's confirmation -----
6	Bid Evaluation: The bids after subjecting to Bid Rejection Criteria will be considered for further evaluation as given below. Evaluation of bids shall be done <u>Item wise evaluation at RFCL site, Ramagundam basis including GST, Packing & Forwarding, Insurance & Freight and all charges leviable to RFCL upto RFCL site.</u> RFCL at its sole discretion may vary quantities, if so, required at the time of PO placement.	Tenderer's confirmation -----
7	Packing: All items should be packed properly with proper covers to prevent any external damages. Special handling Instructions (If any) should be mentioned in the consignment note.	Tenderer's confirmation -----
8	All information sought by RFCL during tender evaluation shall be provided within the time set out in the communication on the subject. Failure of the tenderer to comply with requirements of RFCL within stipulated time may make the offers as unresponsive & shall entitle RFCL to proceed further with the remaining tenders.	Tenderer's confirmation -----
9	Tenderers should ensure that the tender documents /offer have been signed by appropriate/authorized representative of the Company. Withdrawal of offer/non- acceptance of orders placed based on the offers submitted by tenderer on their letter head; will not be allowed on the ground that offer was not signed by authorized person.	Tenderer's confirmation -----

10	Tenderers shall give self certification on their letterhead that they have not been blacklisted by any govt dept/Public Sector Undertaking/Co-operative Unit. Offer of such blacklisted Tenderers shall not be considered.	Tenderer's confirmation
11	<u>Warranty/Guarantee Certificate:</u> The Supplier shall provide <u>Warranty/Guarantee against manufacturing defects and poor workmanship for a period of 18 months from the date of supply or 12 months from the date of commissioning whichever is earlier.</u>	Tenderer's confirmation
12	<u>Interchangeability Certificate:</u> The supplier shall submit Interchangeability certificate for all supplied spares with the existing installed Equipment at RFCL Site, Ramagundam along with the supply.	Tenderer's confirmation
13	The Supplier is required to submit Motor GA, Datasheet and all the Test Reports .	Tenderer's confirmation
14	The Suppliers should supply the material exactly similar to the installed material as mentioned in annexure.	Tenderer's confirmation
15	<u>Force Majeure:</u> Shall be Governed by as per GeM GTC.	Tenderer's confirmation
16	<u>Resolution of Disputes:</u> Shall be Governed by as per GeM GTC.	Tenderer's confirmation
17	<u>Jurisdiction:</u> Shall be Governed by as per GeM GTC.	Tenderer's confirmation
18	<u>EARNEST MONEY DEPOSIT (EMD)</u> – As applicable in Gem Portal (No loading shall be applicable for EMD) Tenderers must submit Earnest Money Deposit of Rs 15000/- The details of the transaction with UTR No to be submitted along with technical bid for verification. RFCL's Bank details for RTGS/NEFT are as follows: Beneficiary Name: Ramagundam Fertilizers and Chemicals Limited Bank name : State Bank of India Branch Name : RFCL BRANCH (61777) Bank A/c no. : 36727029257 IFSC Code : SBIN0061777 In case of BG, kindly arrange to send SFMS confirmation to below mentioned Bank Bank name : STATE BANK OF INDIA COMMERCIAL BRANCH, NEHRU PLACE, NEW DELHI IFSC Code : SBIN0004298 Earnest Money Deposit will not bear any interest. Earnest money shall be forfeited at the sole discretion of RFCL in case tenderer after intimation from RFCL of the acceptance of his tender, either wholly or in part, refuses to accept the Purchase Order/or changes any of the conditions of the tender or changes the price and/or terms and conditions of the tender within validity period. BG Format for EMD at Annexure VI.	Tenderer's confirmation
19	<u>SD:</u> Successful Tenderer, for faithful performance of the contract, will furnish Security Deposit within 10 days of issue of Purchase Order. The SD will be @ 5% of Order value. The same shall be valid for a period covering the Delivery Period +2 Month's Claim Period & As applicable in Gem Portal. BG Format for SD at Annexure-VII	Tenderer's confirmation

ANNEXURE-III

TENDERER DETAILS

Sr.	Description					
1.	Name of Company/Firm					
2.	Legal status of the firm (Limited Company/Partnership/Proprietor etc. (Pl. Specify)					
3.	Trade Name of the Company/Firm					
4.	Registration Number of Firm/Company					
5.	Complete Registered/Branch Address					
6.	Name of Proprietor/Partners/Directors					
7.	Contact/Authorized Person name and Designation					
8.	Land line Tel No					
9.	Mobile number					
10.	Email Id					
11.	PAN No. to be intimated along with Documentary Proof thereof.					
12.	GST Registration No. with Documentary Proof.					
13.	HSN/SAC No.					
14.	If the Tenderer is registered as Micro/Small/Medium Enterprises as per MSMED Act,2006, the same may be confirmed by the Tenderer and submit a photocopy (Self certified) of the registration certificate in support thereof. Otherwise, it will be construed that the Tenderer is not registered as per MSMED Act, 2006. Registration month & Year should be prior to bid submission due date.					
15.	Bank Account Details:					
	Name of Beneficiary/Account holder					
	Complete Bank Account No:					
	Account type (SB/Current/CC/OD) Pl. Specify					
	Name of Bank and Branch Address:					
	IFSC Code:					
16.	If a Tenderer has relations whether by blood or otherwise with any of employees (including employees on deputation) of RFCL, the Tenderer must disclose the relation at the time of submission of Tender, failing which, RFCL shall reserves the right to reject the Tender or rescind the Contract.	YES / NO (If Yes, give the following details)				
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Name & Designation of the Employee</th> <th style="width: 20%;">Place of Posting</th> <th style="width: 20%;">Relation with the Employee</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Name & Designation of the Employee	Place of Posting	Relation with the Employee	
Name & Designation of the Employee	Place of Posting	Relation with the Employee				
17.	Other information if any					

I/We are hereby confirming that the above information/details are given true and correct to the best of my/our knowledge and belief and nothing has been concealed therein. I/We also undertake to advise any future changes to the above details

**Name, Seal & Signature of
Authorised Signatory**



Ramagundam Fertilizers & Chemicals Limited
(A Joint venture company of NFL, EIL & FCIL)
Site Office: Fertilizers City, Ramagundam-505210, Dist: Peddapalli, Telangana

(On Letter Head of Bidder)

Annexure-IV

DECLARATION OF NON-BLACKLISTING

GeM Bid No: Dated:.....

We hereby undertake that our Firm M/s..... has not been debarred/terminated/blacklisted/put on holiday for the quoted item to participate in this Tender by any Govt. Institution, PSU, PSE, Autonomous Bodies, State Govt. or Central Govt. Department

Authorised Signatory: -

Name: -

Designation: -

Seal

Dated:



ANNEXURE-V

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON
NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT
RESPONSIBILITY (CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(On Letter Head of Bidder)

IN RESPECT OF BID / TENDER No.

ISSUED BY: (Name of Firm):

NB: The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of (name of bidder
entity), the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have read and understood the requirement of local content (LC) and same is specified as percentage calculated in accordance with the definition provided at clause 2 of revised Public Procurement (preference to Make in India) Order 2017.

"Local content" as per above order means the amount of value added in India which shall be the total value of items procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent."

(c) I have satisfied myself that the goods/services/works to be delivered in terms of the above-specified bid comply with the local content requirements as specified in the tender for 'Class-I Local Supplier' / 'Class-II Local Supplier', and as above.

(d) I understand that a bidder can seek benefit of either Public Procurement Policy for MSEs –Order 2012 or Public Procurement (preference to Make in India) Order 2017 and not both and once the option is declared / selected it is not permitted to be modified subsequently. Accordingly, I seek the benefit from the below declared purchase preference policy only.

i) I seek benefits against the following policy only (Select only one Option):

1) PPP MSE Order 2012 ☐ (applicable for MSE manufacturers)

2) PPP MII 2017 ☐ (applicable for Class I suppliers as well as MSE manufacturers)

(Note: If not declared / selected it shall be deemed that purchase preference benefit is sought under PPP MII 2017 policy. However, selection of both the options will be treated as ambiguous and will result in rejection of bid)

(e) The local content calculated using the definition given above are as under:

Tender Item Sr No	Local content calculated as above %	Location of local value addition (Location shall be the specified as name of city or district, etc. Location as name of country will be considered as ambiguous and such bids shall be rejected.)



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Attach separate sheet duly signed if space is not sufficient

NB: Local content percentage shall be declared item wise or tender wise strictly as per the terms of the tender.

(f) I accept that the Procurement Authority / Institution / MDL / Nodal Ministry has the right to request that the local content be verified in terms of the requirements of revised Public Procurement (preference to Make in India) Order 2017 dtd 16.09.2020 and I shall furnish the document / information on demand. Failure on my part to furnish the data will be treated as false declaration as per PPP MII Order 2017. In case of contract being awarded, I undertake to retain the relevant documents for 7 years from date of execution.

(g) I understand that the submission of incorrect data, or data that are not verifiable as described in revised Public Procurement (preference to Make in India) Order 2017, may result in the Procurement Authority / Nodal Ministry / MDL imposing any or all of the remedies as provided for in Clause 9 of the Revised Public Procurement (preference to Make in India) Order 2017 dated 16.09.2020

SIGNATURE: DATE: _____

Seal / Stamp of Bidder



BID SECURITY (EMD) FORMAT

DRAFT OF BANK GUARANTEE FOR EMD

IN CONSIDERATION OF Ramagundam Fertilizers and Chemical Limited (RFCL), HAVING ITS REGISTERED OFFICE AT **Scope Complex, Core No. III, 7, Institutional Area, Lodhi Road, New Delhi-110003** (HEREINAFTER CALLED RFCL WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE SUBJECT OR CONTEXT INCLUDES ITS SUCCESSORS AND ASSIGNS) HAVING AGREED TO EXEMPT _____ (HEREINAFTER CALLED THE, THE SAID TENDERER(S)' WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE SUBJECT OR CONTEXT INCLUDES HIS SUCCESSORS AND ASSIGNS) FROM THE DEMAND UNDER THE TERMS AND CONDITIONS OF TENDER NO _____ FOR _____ HEREINAFTER CALLED "THE SAID TENDERER" OF SUCH BID SECURITY DEPOSIT FOR THE DUE FULFILMENT BY THE SAID TENDERER(S) OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID TENDER _____ FOR _____ ON PRODUCTION OF BANK GUARANTEE FOR RS. _____ (RUPEES /USD _____ ONLY).

1. WE _____ BANK HEREINAFTER REFERRED TO AS 'THE BANK' DO HEREBY UNDERTAKE TO PAY TO RFCL AN AMOUNT NOT EXCEEDING RS. _____ (RUPEES _____ ONLY) AGAINST ANY LOSS OR DAMAGE CAUSED TO OR SUFFERED BY 'RFCL' REASON OF ANY BREACH BY THE SAID TENDERER(S) OF ANY OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID TENDER (THE DECISION OF THE COMPANY AS TO ANY SUCH BREACH HAVING BEEN COMMITTED AND LOSS SUFFERED SHALL BE BINDING ON US.

2. WE _____ BANK DO HEREBY UNDERTAKE TO PAY THE AMOUNTS DUE AND PAYABLE UNDER THIS GUARANTEE WITHOUT ANY DEMUR MERELY OR A DEMAND FROM 'RFCL' STATING THAT THE AMOUNT CLAIMED IS DUE BY WAY OF LOSS OR DAMAGE CAUSED TO OR WOULD CAUSE TO OR SUFFERED BY 'RFCL' BY REASON OF ANY BREACH BY THE SAID TENDERER(S) OF ANY OF THE TERMS OR CONDITIONS CONTAINED IN THE SAID TENDER OR BY REASON OF THE SAID TENDERER'S FAILURE TO KEEP THE TENDER OPEN. 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 _____ ONLY).

3. WE _____ BANK FURTHER AGREE THAT THE TEE HEREIN CONTAINED SHALL REMAIN IN FULL FORCE AND EFFECT DURING THE PERIOD THAT WOULD BE TAKEN FOR THE FINALISATION OF THE SAID TENDER AND THAT IT SHALL CONTINUE TO BE ENFORCEABLE TILL THE SAID TENDER IS FINALLY DECIDED AND ORDER PLACED ON THE SUCCESSFUL TENDERER AND/ OR TILL ALL THE DUES OF RFCL UNDER/OR BY VIRTUE OF THE SAID TENDER HAVE BEEN FULLY PAID AND ITS CLAIMS SATISFIED OR DISCHARGED OR TILL A DULY AUTHORISED OFFICER OF RFCL CERTIFIED THAT THE TERMS AND CONDITIONS OF THE SAID TENDER HAVE BEEN FULLY AND PROPERLY CARRIED OUT BY THE SAID TENDERER(S) AND ACCORDINGLY DISCHARGES THE GUARANTEE. UNLESS A DEMAND OR CLAIM UNDER THIS GUARANTEE IS MADE ON US IN WRITING ON OR BEFORE THE _____ TO INCLUDE 3 MONTHS CLAIM OVER AND ABOVE THE PERIOD MENTIONED IN THE PARAGRAPH FOR THE VALIDITY OF THE BANK GUARANTEE IN THE TENDER WE SHALL BE DISCHARGED FROM ALL LIABILITY UNDER THIS GUARANTEE THEREAFTER.

4. WE _____ BANK, LASTLY UNDERTAKE NOT TO REVOKE THIS GUARANTEE DURING ITS CURRENCY EXCEPT WITH THE PREVIOUS CONSENT OF 'RFCL' IN WRITING. DATED _____ DAY OF _____ 20

CORPORATE SEAL

FOR BANK.



BANK GUARANTEE FOR SECURITY DEPOSIT FORMAT
(To be prepared on Stamp paper of Rs. 500/- issued in the name of Bank)

This BANK GUARANTEE No. _____ made this day of _____ between _____ a bank incorporated and having its registered office at _____ (hereinafter called BANK) which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assigns on the one part and **RAMAGUNDAM FERTILIZERS AND CHEMICALS LIMITED**, a Company registered in India under Companies Act, 2013 and having its registered office at **Scope Complex, Core No. III, 7, Institutional Area, Lodhi Road, New Delhi-110003**, India to the context or contrary to the meaning thereof include its successors and assigns on the other part.

WHEREAS in pursuance to the agreement dated _____ (hereinafter called CONTRACT) entered into between RAMAGUNDAM FERTILIZERS AND CHEMICALS LIMITED (hereinafter called OWNER and _____ a Company incorporated in _____ (hereinafter called CONTRACTOR) which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assigns, for supply of _____ as envisaged in the Contract, Contractor has to submit a Security Deposit-cum-Performance Bank Guarantee for Rs. _____.

CONTRACTOR accordingly agrees to furnish the Security cum performance Bank Guarantee as hereinafter contained towards fulfilment of all of its obligations under the contract.

NOW THIS DEED WITNESSES AS FOLLOWS:

1. In pursuance of the Contract, the Bank hereby guarantees as a direct responsibility to OWNER that the BANK is holding the amount of Rs. _____ at Owner's disposal and hereby promises and shall be bound to pay to OWNER, forthwith at Owner's written notice stating that the contractor has failed to fulfil its obligations under the contract for reasons for which contractor is liable and without any protest or demur and without recourse to contractor and without asking for any reasons as to whether the amount if lawfully asked for by Owner or not, the entire amount or the portion thereof as mentioned by Owner in the notice.

The decision of the Owner as to whether the terms and conditions of this Security Deposit cum-Performance Bank Guarantee have been observed or not shall be final and binding on the BANK. In any case, however the Bank's responsibility under this Security Deposit-cum Performance Bank Guarantee is limited to Rs. _____.

2. This Security Deposit-cum-Performance Bank Guarantee shall be valid for an initial period of _____ months from the date of this Bank Guarantee No. _____ dated _____ given by the Bank to Owner become effective.

Upon issuance of Commissioning / Erection / Completion certificate according to terms of contract on expiry of _____ months after the issuance of the above mentioned certificate of commissioning / erection / completion certificate, the Security Deposit-cum-Performance Bank Guarantee shall become null and void.

3. This Security Deposit-cum-Performance Bank Guarantee shall be in addition to and shall not affect or be affected by any other security now or hereafter held by Owner on account of money hereby intended to secure and Owner at its discretion and without



Ramagundam Fertilizers & Chemicals Limited
(A Joint venture company of NFL, EIL & FCIL)
Site Office: Fertilizers City, Ramagundam-505210, Dist: Peddapalli, Telangana

any further consent from the Bank, and without affecting its rights against the Bank, may compound with, give time CMM-08 or other indulgence to or make any other arrangement with Contractor and nothing done or omitted to be done by Owner in pursuance of any authority or permission contained in this guarantee, shall effect discharge of the liability of the Bank.

4. UNLESS PREVIOUSLY CANCELLED BY THE OWNER, this Security Deposit-cum-Performance Bank Guarantee will remain in force initially upto _____ months from the effective date of Bank Guarantee No. _____ dated _____ given by the Bank to the Owner and subject to provisions of paragraph 2 above will stand automatically cancelled on the expiry of the said period. Unless demand or claim under this Bank Guarantee is made on Bank in writing within three months from the date of expiry of this Bank Guarantee, all the rights of Owner against the Bank shall be forfeited and Bank shall be relieved and discharged from all the liabilities hereunder.

5. Any notice by way of request, demand or otherwise hereunder may be sent by post to the Bank, addressed as aforesaid, and if sent by post, it shall be deemed to have been given at the time when it would be delivered in due course of post, and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate, signed by an officer of the owners, to the effect that the envelope was so posted, shall be conclusive.

6. The Security Deposit-cum-Performance Bank Guarantee is to be returned to the Bank after its expiry in terms of Paragraph 4 above.

7. The Bank declares that it has the power to issue this guarantee and the undersigned have full power to do so.

Dated _____ this _____ day of _____.

(Indicate the name of the Bank with stamp)