



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम - महारत्न कम्पनी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharatna Company)

To

ROKSNA INDIA PRIVATE LIMITED

2nd Floor, House No. 205

Opp. Kamla Nehru Park

GURGAON-122001

Haryana, India

Tele No : 01244292300

Fax no.: 01244292300

LETTER OF ACCEPTANCE

LOA No.

: GAIL/KCS/04966/5300037217/CP/EL/22/W07

Dated

: 28.07.2022

RFQ No. & Date : 3300094253 Dt. 26.05.2022

Your offer/Qtn.No.: 433966

Qtn. Dt. : 20.06.2022

E Tender No.: NIL

Vendor Type : MSE-MICRO-OT

Vendor GSTN No :

गेल कॉम्प्लेक्स,
नानाखेड़ा, सांवेर रोड,
उज्जैन - 456010 (म.प्र.)

GAIL COMPLEX,
NANAKHEDA, SANWER ROAD,
UJJAIN - 456010 (M.P.)

फोन/PHONE : +91734 2511240, 2510478

फैक्स/FAX : +917342511801

गेल नेट/Gail Net 872-415

info@gail.co.in

Kind Attn :

Name of Work : SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIGHTNING PROTECTION SYSTEM AT GAIL KHERA COMPRESSOR STATION, TOWNSHIPS AND PIPELINE JURIDICITION

Dear Sir/Madam

With reference to your Offer against our RFQ and all subsequent correspondences (if any) till date and in continuation of our Fax/Letter of Intent (if any) we are pleased to award the subject works highlighting the following salient features:

Scope of Work : Scope of work under this contract shall be as detailed in enclosed document.

Contract Value : The estimated contract value including all taxes and duties under this contract works out to INR 5,525,232.00

Price Basis:

ITEM 1	SITC of LPS at Khera Compressor Station	INR 2,885,701.80
ITEM 2	SITC of LPS at Nagjhiri Colony	INR 1,129,484.20
ITEM 3	SITC of LPS at Nanakheda Colony	INR 662,180.60
ITEM 4	SITC of LPS RR-13 Kachibaroda	INR 136,691.20
ITEM 5	SITC of LPS RR-14 Makarwan	INR 179,572.40
ITEM 6	SITC of LPS RR-15 Jagoti	INR 154,001.80
ITEM 7	SITC of LPS RR-17 Dhatrawda	INR 129,233.60
ITEM 8	SITC of LPS RR-18 Sandwata	INR 127,168.60
ITEM 9	SITC of LPS RR-19 Gorkhapura	INR 121,197.80

Abnormally High Rated Items :

ITEM 0002-A.1.1 AND A.4.1, ITEM 0003-A.1.1 AND A.4.1, ITEM 0004 A.3.1 AND 130, ITEM 0005-100 AND A.4.1, ITEM 0006 A.3.1 AND A.4.1, ITEM 0007 A.3.1 AND A.4.1, ITEM 0008-90 AND A.4.1, ITEM 0009-A.4.1

जयाकृष्ण के. आर
JAYAKRISHNAN K.R.
प्रबंधक (क्रय एवं संविदा)
Manager (Contract & Procurement)
गेल (इंडिया) लिमिटेड/GAIL (India) Limited
खेड़ा कम्प्रेसर स्टेशन, ग्राम-चिकली, पोस्ट-माकड़ोन,
तह. माकड़ोन जिला उज्जैन (म.प्र.) 456668
Khera Compressor Station, Vill. Chikli, Post-Nanded
Tehsil Makdone, Dist. Ujjain (M.P.) 456668

संयंत्र का पता : खेड़ा कम्प्रेसर स्टेशन, ग्राम चिकली, पोस्ट माकड़ोन,
तहसील माकड़ोन, जिला उज्जैन - 456668 (म.प्र.)

PLANT ADDRESS : KHERA COMPRESSOR STATION, VILLAGE CHIKLI, POST MAKDON,
TEHSIL MAKDON, DIST. UJJAIN - 456668 (M.P.)

सीआईएन/CIN
L40200DL1984GOI018976

www.gailonline.com

Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Duration of Contract/Completion Schedule :

Contract Period / Completion Period: The contract period shall be Eight Months from 01.08.2022

Performance Bank Guarantee:

Performance Bank Guarantee: You are requested to submit a security deposit of Rs. 1,40,472/- (Rupees one lakh Forty thousand four hundred seventy two only) by way of DD or Bank Guarantee within 15 days of issue of this order as per our Proforma which shall be valid for a period of 23 months.

Contract Agreement:

Payment Terms:

DOCUMENTS TO BE SUBMITTED ALONG WITH BILL:

The following documents are required to be submitted along with original copy of service invoice by the vendor.

- a) Salary Slip/ Wage Registers of the persons deputed for the job.
- b) PF Combined Challan of the persons deputed for the job.
- c) PF ECR of the persons deputed for the job.
- d) PF Payment Proof of the persons deputed for the job.
- e) Workmen Compensation Policy/ ESIC of the persons deputed for the job.
- f) No Dues Certificate (with final bill).
- g) No Claim Certificate (with final bill).
- h) GST Challan.

Paying Authority:

PAN Particulars:

GAIL (India) Ltd PAN No. AAACG1209J

"As per CBDT Notification No. 95/2015 dated 30.12.2015, mentioning of PAN no. is mandatory for procurement of goods / services/works/consultancy services exceeding Rs. 2 Lacs per transaction.

Accordingly, supplier/ contractor/ service provider/ consultant should mention their PAN no. in their invoice/ bill for any transaction exceeding Rs. 2 lakhs. As provided in the notification, in case supplier/ contractor/ service provider/ consultant do not have PAN no., they have to submit declaration in Form 60 along with invoice/ bill for each transaction. Payment of supplier/ contractor / service provider/ consultant shall be processed only after fulfilment of above requirement".

GSTN Details :

Please note that our state/plant wise GSTN details as below for invoicing and other purpose.

NG Comp Stn - Khera (3014) 23AAACG1209J1Z4

Your Bank Details :

Please note that details of your bank account in our system are as under. You are requested to verify the same and intimate discrepancies, if any
002105023524

Price Reduction Schedule:

APPLICABLE AS PER SCC & GCC

Defect Liability Period:

Contract Document:

Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

FOI Reference/Regularization:

Engineer-In-Charge:

Other Contractual Stipulations:

SUB: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF LIGHTNING PROTECTION SYSTEM AT GAIL KHERA COMPRESSOR STATION, TOWNSHIPS AND PIPELINE JURIDICTION

1. Contract Period / Completion Period: The contract period shall be Eight Months from 01.08.2022.

2. Performance Bank Guarantee: You are requested to submit a security deposit of Rs. 1,40,472/- (Rupees one lakh Forty thousand four hundred seventy two only) by way of DD or Bank Guarantee within 15 days of issue of this order as per our Proforma which shall be valid for a period of 23 months.

3. Contract Agreement: You are requested to execute a contract agreement as per prescribed format on Non-judicial stamp paper of appropriate value, within 15 days of issue of this Work Order. The cost of stamp paper shall be borne by you. The value of required stamp paper is to be determined from Madhya Pradesh Rajkoshiya Uttardiyta Avam Budget Prabandhan Adhiniyam, 2005, and Indian Stamp Act, 1899 in its application to the State of Madhya Pradesh and its amendments / Ordinances issued and in force on the day of execution of agreement.

4. Engineer-In-Charge: Shri. YOGESH JIWTODE, Sr.Manager (ELECTRICAL) shall be Engineer-in-Charge for the said contract. You are requested to contact Shri. YOGESH JIWTODE for further instructions after fulfilling all contractual obligations as per provisions of this work order.

5. The total order value is inclusive of GST @18%. The GST will be paid based on submission of actual GST Invoice to be certified by EIC of GAIL.

6. All other terms & conditions shall be as per GAIL General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Technical Specifications and Scope of Work of Tender Document No. GAIL/KCS/04966/CP/EL/22/W-07(TENDER ID.2022_GAIL_117153)DATED 26.05.2022. The Complete Tender Documents including Corrigendum (if any) is an integral part of this Work Order.

7. PRICE REDUCTION SCHEDULE: Shall be applicable as per GAIL GCC and SCC.

8. PAYMENT TERMS: 100% within 15 days of invoice As per SPECIAL CONDITIONS OF CONTRACT (SCC)&GCC.

9. BILLING SYSTEM:

ORIGINAL Bills/Invoices to be forwarded in sealed envelope for release of payment in time and following should be clearly mentioned on "Top left corner of the envelope" with "address" as under:

(I) Top left corner of the envelope

- A). Invoice No. & Date: _____ Amount: _____
B). Vendor Code _____ Vendor Name: _____
C). Name of EIC _____ Deptt.: _____
D). PO/WO No. & Date _____

(II). BILLING ENVELOPE should be Addressed To :-

To,
HOD(ELECTRICAL Dept.)
M/s GAIL (India) Ltd
Khera Compressor Station,
Central Dak Receipt Cell,
GAIL COMPLEX, NANA KHEDA,
SANWER ROAD, UJJAIN, M.P.-456010



Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

(III). "As per CBDT Notification No. 95/2015 dated 30.12.2015, mentioning of PAN no. is mandatory for procurement of goods / services/works/consultancy services exceeding Rs. 2 Lacs per transaction.

Accordingly, supplier/ contractor/ service provider/ consultant should mention their PAN no. in their invoice/ bill for any transaction exceeding Rs. 2 lakhs. As provided in the notification, in case supplier/ contractor/ service provider/ consultant do not have PAN no., they have to submit declaration in Form 60 along with invoice/ bill for each transaction.

Payment of supplier/ contractor / service provider/ consultant shall be processed only after fulfillment of above requirement".

(IV) BILL WATCH SYSTEM (BWS):-

On processing of your above bills/invoices through BWS of GAIL by the concerned representative of GAIL against the services performed/materials supplied, a receipt shall be generated with unique number and communicated automatically through email to you directly for you to see the status of your bills/invoices under main menu: www.gailonline.com/billwatch/payment.asp.

(V) Input Credit of GST:-

In case input credit of GST is not available to GAIL due to any fault of the vendor, then the amount along with consequential interest/penalty etc. shall be recovered from the vendor.

10. GST shall be paid (if applicable) based on actual GST Invoice. Please provide GST Invoice to claim duties benefit to GAIL. Please pass input credit benefit to GAIL (if applicable). The details are as under:-

- a) - Central Excise Registration No.- AAACG1209JXM004
- b) - Range GUNA,
- c) - ECC No. AAACG1209JXM004
- d) - Division GWALIOR
- e) - Commissionerate INDORE
- f) - Regn. No./Excise Control Code No. AAACG1209JXM004
- g) - TIN Number: 23265002549
- h) - Service Tax Number: AAACG1209JST012
- i) - PAN NO. OF GAIL: AAACG1209J
- j) - GSTIN: 23AAACG1209J1Z4

11. SPECIAL CONDITION OF CONTRACT AND SCOPE OF WORK - ENCLOSED

12. GENERAL CONDITION OF CONTRACT (GCC) - ENCLOSED

13. Please submit sealed and signed copy of each page of this Complete Work Order/LQA as an acceptance by email and original by post/Courier.

Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Enclosures :

This order is being issued in triplicate. Two copies of the order duly signed, stamped and dated on each page, may be returned within 3 days from date of receipt of the order to the undersigned..

For & on behalf of
GAIL (India) Ltd.

(Authorized Signatory)

NAME :
DESIGNATION :


जयाकृष्णन के. आर
JAYAKRISHNAN K.R.
प्रबंधक (क्रय एवं संविदा)
Manager (Contract & Procurement)
गेल (इंडिया) लिमिटेड / GAIL (India) Limited
खेड़ा कम्प्रेसर स्टेशन, ग्राम-चिकली, पोस्ट-नांदेड़,
तह. माकड़ोन जिला उज्जैन (म.प्र.) 456668
Khera Compressor Station, Vill. Chikli, Post-Nanded,
Tehsil Makdone, Dist. Ujjain (M.P.) 456668

CONTRACTOR'S ACCEPTANCE:

PLACE :	SIGNATURE :
DATE :	NAME :
	DESIGNATION :
	SEAL :

NOTE: Each page of this order including its annexure should be signed and stamped by the contractor before returning to GAIL (India) Ltd..

SCHEDULE OF RATES

Item : 1 - SITC of LPS at Khera Compressor Station
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					

A.1.1	SITC of Air Terminal	25	EA	1,400.00	35,000.00	
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Supply, Installation Testing & Commissioning of single spike air terminals of 10mm dia. & 1000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the clamping arrangement.

A.1.2	SITC of Air Terminal	8	EA	2,470.00	19,760.00	
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Supply, Installation Testing & Commissioning of single spike air terminals of 16mm dia. & 1500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.3	SITC of Air Terminal	6	EA	2,390.00	14,340.00	
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Supply, Installation Testing & Commissioning of single spike air terminals of 10/16mm dia. & 2000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.4	SITC of Air Terminal	1	EA	4,260.00	4,260.00	
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Supply, Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.5	SITC Roof Cond. Paraphet & Mesh	2,960	M	220.00	651,200.00	
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Supply, Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
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A.2.1	SITC of Down Conductor	314	M	230.00	72,220.00	
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Supply, Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr.and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	63	EA	800.00	50,400.00	
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Supply, Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	16	EA	8,790.00	140,640.00	
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Supply, Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitable for external application & shall be as per IEC 62561-6

A.3	Earthing System					
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A.3.1	SITC of Earthing System	73	EA	10,300.00	751,900.00	
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Supply, Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length, 14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

Item : 1 - SITC of LPS at Khera Compressor Station
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.3.2	SITC of GI Strip	2,689	M	190.00	510,910.00	

Supply, Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	5	EA	21,850.00	109,250.00	Y#

Supply, Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	22	EA	3,680.00	80,960.00	
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Supply, Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply, Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00001

Basic Item Value : INR 2,445,510.00

(RUPEE TWO MILLION FOUR HUNDRED FORTY-FIVE THOUSAND FIVE HUNDRED TEN ONLY)

Item Specific Conditions :

Total Tax = 440,191.80

18 % IGST - Cenvatable-(IX)

Total item value including taxes & duties : INR 2,885,701.80

Item : 2 - SITC of LPS at Nagihiri Colony
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					

A.1.1	SITC of Air Terminal	5	EA	1,700.00	8,500.00	Y#
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Supply, Installation Testing & Commissioning of single spike air terminals of 10mm dia. & 1000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the clamping arrangement.

A.1.2	SITC of Air Terminal	4	EA	2,470.00	9,880.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 16mm, dia. & 1500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.3	SITC of Air Terminal	2	EA	2,390.00	4,780.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16mm dia. & 2000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.4	SITC of Air Terminal	1	EA	4,260.00	4,260.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2.

Item : 2 - SITC of LPS at Nagjhiri Colony
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.5	SITC Roof Cond. Paraphet & Mesh	1,050	M	230.00	241,500.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	297	M	230.00	68,310.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr.and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	22	EA	800.00	17,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	6	EA	8,790.00	52,740.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitablefor external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	26	EA	10,500.00	273,000.00	

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length,14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	912	M	190.00	173,280.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	3	EA	21,850.00	65,550.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	9	EA	3,680.00	33,120.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00002

Basic Item Value : INR 957,190.00

(RUPEE NINE HUNDRED FIFTY-SEVEN THOUSAND ONE HUNDRED NINETY ONLY)

Total Tax = 172,294.20

18 % IGST - Non Cenvatable-(IC)

Total item value including taxes & duties : INR 1,129,484.20

Item : 3 - SITC of LPS at Nanakheda Colony
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	6	EA	1,700.00	10,200.00	Y#

Supply Installation Testing & Commissioning of single spike air terminals of 10mm dia. & 1000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the clamping arrangement.

A.1.2	SITC of Air Terminal	2	EA	2,470.00	4,940.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 16mm dia. & 1500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.3	SITC of Air Terminal	1	EA	4,260.00	4,260.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.4	SITC Roof Cond. Paraphet & Mesh	684	M	240.00	164,160.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :SITC of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	110	M	230.00	25,300.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr. and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	17	EA	800.00	13,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	3	EA	8,790.00	26,370.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitable for external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	17	EA	10,500.00	178,500.00	

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length, 14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	507	EA	190.00	96,330.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	1	EA	21,800.00	21,800.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

Item : 3 - SITC of LPS at Nanakheda Colony
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.4.2	SITC of Class C SPD	3	EA	3,680.00	11,040.00	

Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00003 Basic Item Value : INR 561,170.00
(RUPEE FIVE HUNDRED SIXTY-ONE THOUSAND ONE HUNDRED SEVENTY ONLY)
Total Tax = 101,010.60
18 % IGST - Non Cenvatable-(IC)
Total item value including taxes & duties : INR 662,180.60

Item : 4 - SITC of LPS RR-13 Kachibaroda
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	3,490.00	3,490.00	

Supply Installation Testing & Commissioning of single spike air terminals of 10/16 mm dia. & 3000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC of Air Terminal	1	EA	4,260.00	4,260.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.3	SITC Roof Cond. Paraphet & Mesh	60	M	250.00	15,000.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	10	M	250.00	2,500.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr. and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	2	EA	800.00	1,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

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LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 4 - SITC of LPS RR-13 Kachibaroda
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.2.3	SITC of LSC	1	EA	8,790.00	8,790.00	

Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitable for external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	2	EA	11,300.00	22,600.00	Y#

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length, 14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	36	M	250.00	9,000.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
130	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00004 Basic Item Value : INR 115,840.00
(RUPEE ONE HUNDRED FIFTEEN THOUSAND EIGHT HUNDRED FORTY ONLY)
Total Tax = 20,851.20
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 136,691.20

Item : 5 - SITC of LPS RR-14 Makarwan
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	3,490.00	3,490.00	

Supply Installation Testing & Commissioning of single spike air terminals of 10/16 mm dia. & 3000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC of Air Terminal	1	EA	5,180.00	5,180.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

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LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 5 - SITC of LPS RR-14 Makarwan
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1.3	SITC of Roof Conductor for Paraphet,Mesh	45	M	250.00	11,250.00	

Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	20	M	250.00	5,000.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr.and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	3	EA	800.00	2,400.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	2	EA	8,790.00	17,580.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitablefor external application & shall be as per IEC 62561-6

A.3	Earthing System					
100	SITC of Earthing System	3	EA	11,300.00	33,900.00	Y#

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length,14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

110	SITC of GI Strip	118	M	210.00	24,780.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00005 Basic Item Value : INR 152,180.00
(RUPEE ONE HUNDRED FIFTY-TWO THOUSAND ONE HUNDRED EIGHTY ONLY)
Total Tax = 27,392.40
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 179,572.40

Item : 6 - SITC of LPS RR-15 Jagoti
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Item : 6 - SITC of LPS RR-15 Jagoti
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	3,490.00	3,490.00	

Supply Installation Testing & Commissioning of single spike air terminals of 10/16 mm dia. & 3000 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC of Air Terminal	1	EA	5,180.00	5,180.00	
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Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.3	SITC Roof Cond. Paraphet & Mesh	67	M	250.00	16,750.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh: Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder (Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	10	M	250.00	2,500.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr. and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	2	EA	800.00	1,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	1	EA	8,790.00	8,790.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitable for external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	2	EA	11,300.00	22,600.00	Y#

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length, 14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	84	EA	250.00	21,000.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

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LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 6 - SITC of LPS RR-15 Jagoti
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00006 Basic Item Value : INR 130,510.00
(RUPEE ONE HUNDRED THIRTY THOUSAND FIVE HUNDRED TEN ONLY)
Total Tax = 23,491.80
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 154,001.80

Item : 7 - SITC of LPS RR-17 Dhatrawda
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	5,180.00	5,180.00	

Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC Roof Cond. Paraphet & Mesh	44	M	250.00	11,000.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	12	M	250.00	3,000.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr.and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	2	EA	800.00	1,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

70	SITC of LSC	1	EA	8,790.00	8,790.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitablefor external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	2	EA	11,300.00	22,600.00	Y#

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length,14.2

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LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 7 - SITC of LPS RR-17 Dhatrawda
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	35	M	250.00	8,750.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
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A.4.1	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#
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Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00007 Basic Item Value : INR 109,520.00
(RUPEE ONE HUNDRED NINE THOUSAND FIVE HUNDRED TWENTY ONLY)
Total Tax = 19,713.60
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 129,233.60

Item : 8 - SITC of LPS RR-18 Sandwata
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	5,380.00	5,380.00	

Supply Installation Testing & Commissioning of single spike air terminals of 10/16/22 mm dia. & 4500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC Roof Cond. Paraphet & Mesh	42	M	250.00	10,500.00	
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
A.2.1	SITC of Down Conductor	14	M	250.00	3,500.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr. and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

60	SITC of Test Clamp	2	EA	800.00	1,600.00	
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Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 8 - SITC of LPS RR-18 Sandwata
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	1	EA	8,790.00	8,790.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitable for external application & shall be as per IEC 62561-6

A.3	Earthing System					
90	SITC of Earthing System	2	EA	11,300.00	22,600.00	Y#

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length, 14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

A.3.2	SITC of GI Strip	34	M	200.00	6,800.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00008 Basic Item Value : INR 107,770.00
(RUPEE ONE HUNDRED SEVEN THOUSAND SEVEN HUNDRED SEVENTY ONLY)
Total Tax = 19,398.60
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 127,168.60.

Item : 9 - SITC of LPS RR-19 Gorkhapura
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
A.1	Air Termination Network					
A.1.1	SITC of Air Terminal	1	EA	2,470.00	2,470.00	

Supply Installation Testing & Commissioning of single spike air terminals of 16mm dia. & 1500 mm length as required and as per site conditions. The air terminal shall be manufactured with aluminium & shall be as per IEC 62561-2. The air terminal shall be fixed on the concrete block along with the support plate. For further connection with round conductor provision of connecting clamp shall be given.

A.1.2	SITC Roof Cond. Paraphet & Mesh	44	M	250.00	11,000.00	
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Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

Item : 9 - SITC of LPS RR-19 Gorkhapura
Plant : 3014 - NG Comp Stn - Khera- Madhya Pradesh (MP)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Supply Installation Testing & Commissioning of Roof Conductor for Parapet and Mesh :Supply of 8 mm dia aluminium round conductor for air termination network at parapet and making mesh at roof with conductor holder(Type: Parapet/Concrete Roof/Metal Shed) at every 1 mtr and T/X/straight connector, along with expansion piece at every 20 mtr. & including Bridging cable shall meet the requirement of IEC 62561-2.

A.2	Down Conductor System					
50	SITC of Down Conductor	10	M	250.00	2,500.00	

Supply Installation Testing & Commissioning of 8 mm dia Aluminium conductor as down conductor along with holder (Type: Concrete Roof/Metal Shed) at every 1 mtr.and T/X/straight connector. It shall meet the requirement of IEC 62561-2.

A.2.2	SITC of Test Clamp	2	EA	800.00	1,600.00	
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Supply Installation Testing & Commissioning of Test Clamp to disconnect the down conductor from the earth termination network for regular checks of the earth termination resistance value & shall be as per IEC 62561-2. (with enclosure)

A.2.3	SITC of LSC	1	EA	8,790.00	8,790.00	
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Supply Installation Testing & Commissioning of Lightning Strike counter for counting the number of lightning strikes without any power supply. The Lightning Counter should be IP65 rated suitablefor external application & shall be as per IEC 62561-6

A.3	Earthing System					
A.3.1	SITC of Earthing System	2	EA	9,500.00	19,000.00	

Supply Installation Testing & Commissioning of Earthing termination made of copper-bonded rod of 10 feet length,14.2 mm dia. (Minimum copper bonding shall be 0.25mm) with exothermically welded busbar, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes.

100	SITC of GI Strip	35	M	250.00	8,750.00	
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Supply Installation Testing & Commissioning of 25 x 6 mm GI Strip as per IEC 62561-2 along with fixtures, laid at 500mm below the ground for interconnection of the earthing, as required and as per specification and code of practice.

A.4	Surge Protection Device (SPD)					
A.4.1	SITC of Class B SPD	1	EA	21,850.00	21,850.00	Y#

Supply Installation Testing & Commissioning of Class B/Type I Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.2	SITC of Class C SPD	6	EA	3,680.00	22,080.00	
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Supply Installation Testing & Commissioning of Class C/Type II Three Phase Surge Protection Devices as per IEC 62305-4 and tested according to IEC 61643 # 11.

A.4.3	SITC of Isolated Spark Gap	1	EA	4,670.00	4,670.00	
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Supply Installation Testing & Commissioning of Isolated Spark Gap.

Work Order Item 00009 Basic Item Value : INR 102,710.00
(RUPEE ONE HUNDRED TWO THOUSAND SEVEN HUNDRED TEN ONLY)
Total Tax = 18,487.80
18 % IGST - Cenvatable-(IX)
Total item value including taxes & duties : INR 121,197.80

Total estimated contract value excluding all tax and duties : 4,682,400.00
(RUPEES FORTY-SIX LAC EIGHTY-TWO THOUSAND FOUR HUNDRED ONLY)

Total estimated contract value including all tax and duties : 5,525,232.00
(RUPEES FIFTY-FIVE LAC TWENTY-FIVE THOUSAND TWO HUNDRED THIRTY-TWO ONLY)

Vendor Code: 101063637
ROKSNA INDIA PRIVATE
LIMITED

LOA No. : GAIL/KCS/04966/5300037217/CP/EL/22/W07
LOA Date : 28.07.2022

*Service items marked YY under AHR column are AHR items. Any service item marked #Y or Y# confirmation is required from authorized dealing officer who shall be final authority regarding AHR declaration. However, service items marked #Y or Y# shall be treated as AHR unless confirmed Non-AHR by dealing officer.



Signature Not Verified

Digitally signed by Jayakrishnan K R
Date: 2022.09.07 15:54:56 IST
Location: eProcurement System for
Central PSUs