



इरकॉन इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
An integrated Engineering and Construction Company



सोन भवन (प्रथम तल), दारोगा प्रसाद राय पथ, पटना - 800 001, फोन : 0612-2506446, फैक्स : 0612-2506888
Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800 001, Phone : 0612-2506446, Fax : 0612-2506888

LOA No. IRCON/2066/RTR/ELECT/OHE/2/2023/1/LOA/60
(ORIGINAL)

Date 10.01.2024

Letter of Acceptance

Baba Udyog,
402, 4th Floor, Mangaldeep Residency,
Barwadda, Dhanbad-826001
E-mail ID: babaudyog123@gmail.com

Kind Attn.: Shri Anish Gutgutia

Sub: Design, Supply, Installation, Testing & Commissioning of 25 kV, AC, 50 Hz, Single Phase railway electrification of new line and modification of existing electrified lines of Rampur Dumra-Tal-Rajendrapul (14 KM) and SSP at Hathidah in connection with Rampur Dumra-Tal-Rajendrapul: Additional Bridge and Doubling Project in Danapur Division of East Central Railway

Ref: i. Tender No. IRCON/2066/RTR/ELECT/OHE/2/2023/01 dated 03.11.2023
ii. Your Online offer regarding above tender (Bid ID 636416 dated 23.11.2023)
iii. Technical Bid opened on 24.11.2023
iv. Financial Bid opened on 27.12.2023

In reference to the subject work, we are pleased to inform you that Ircon International Limited have accepted your quoted offer at **11.00% below** the Bill of Quantity for the subject work at a total value of ₹ 24,31,38,695.05 (Rupees Twenty-Four Crore Thirty-One Lakh Thirty-Eight Thousand Six Hundred Ninety-Five and Paise Five Only) including GST @ 18% and all other tax and duties. Hence, you are requested to execute the work as per the BOQ attached at **Annexure "A"** with following terms and conditions:

1. Contractor shall be expected to mobilize on subject work and commence the same within **7 days** from the date of issue of Letter of Acceptance (LOA).
2. **SCOPE OF WORK:**
The scope of work in the subject tender covers "Design, Supply, Installation, Testing & Commissioning of 25 kV, AC, 50 Hz, Single Phase railway electrification of new line and modification of existing electrified lines of Rampur Dumra-Tal-Rajendrapul (14 KM) and SSP at Hathidah in connection with Rampur Dumra-Tal-Rajendrapul: Additional Bridge and Doubling Project in Danapur Division of East Central Railway" (Refer SCC Clause No. 4.0)
3. **COMPLETION PERIOD:**
The work is required to be completed within fifteen (15) months from the date of issue of the Letter of Acceptance (LOA) including monsoon period. The work has to be executed in co-ordination with other agencies working on or near the project. (Refer SCC Clause No. 31.0)

पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली - 110017, भारत

Registered Office : C-4 District Centre, Saket, New Delhi - 110017 (INDIA)

Tel.: +91-11-29565666 Fax : +91-11-26854000 : E-mail : info@ircon.org : Web. : www.ircon.org

CIN : L45203DL1976GG1008171



4. WORK PROGRAM:

The contractor shall submit detailed work programme within 15 days of award of work as per Clause No. 18.0 of Special Conditions of Contract.

5. DEFECT LIABILITY PERIOD:

Defect Liability Period (DLP) will be twelve (12) months from the date of issue of completion certificate by the Engineer. The contractor shall maintain, rectify and make good at his own cost any defect/deficiencies, which may develop in the work or as notified by the Engineer during the defect liability period. (Refer SCC Clause No. 54.0).

6. INSURANCE:

You are requested to obtain necessary insurance cover and submit the insurance policies before commencement of work as per Clause No. 13.0 of SCC.

7. SHRAMIK KALYAN PORTAL:

The contractor shall apply for one time registration of his firm/company etc. on shramik kalyan portal with requisite details subsequent to issue of Letter of Acceptance. Firm shall fill the salient details of contract labours engaged in the contract and ensure updating of each wage payment to them on Shramik Kalyan Portal. (Refer SCC Clause No. 47.0)

8. CONTRACT AGREEMENT:

As per para 15.5 of SCC, the Contract Agreement shall be signed between the Contractor and IRCON INTERNATIONAL LIMITED within 28 days from the date of issue of LOA.

You shall submit a non-judicial Stamp Paper of ₹ 1,000.00 at your own cost and attend the office of Chief General Manager (Electrical), IRCON International Limited, 6th Floor, Sone Bhawan, Daroga Prasad Rai Path, Patna for signing of Contract Agreement.

9. PERFORMANCE SECURITY:

The contractor shall submit a Performance Guarantee in the form of irrevocable Bank Guarantee (BG) on the proforma annexed as Annexure -IX of SCC from any scheduled bank for an amount of ₹ 1,35,22,883.00 (5% (Five percent) of the contract value i.e., ₹ 1,21,56,935.00 as per clause 12.1(i) of SCC and additional performance bank guarantee of ₹ 13,65,948.00) within 21 days from the issue of LOA.

10. PAYMENT TERMS:

The payment shall be made by IRCON as specified in Clause No. 39.0 of Special Conditions of Contract.

11. RETENTION MONEY/SECURITY DEPOSIT:

Security Deposit shall be deducted @ 10% from the bill maximum upto 5% of contract value and will be released after satisfactory completion of defect liability period of 12 (Twelve) months. (Refer SCC Clause No. 12.2)

12. The conditions mentioned above in this LOA are a brief reference of the terms of the tender documents. All other terms and conditions shall be as per the NIT, Tender Documents accepted by you, which shall form an integral part of this contract and shall be binding on you.

13. This letter will constitute a legal and binding contract **between IRCON INTERNATIONAL LIMITED and Baba Udyog, 402, 4th Floor, Mangaldeep Residency, Barwadda, Dhanbad-826001** till completion of defect liability period.



14. You are requested to contact Sh. Praveen Kumar Dubey, AM/Electrical/MKA, IRCON International Limited for carrying out this work.

The letter of Acceptance (LOA) is being issued in marked "ORIGINAL" & "DUPLICATE" with an advice to return the "DUPLICATE" duly signed and stamped as a token of your acceptance.

- Enclosure:**
1. Annexure-A: Abstract of Cost (01 no. of page)
 2. Annexure-B: Bill of Quantities (20 nos. of page)
 3. Annexure-C: Form of Agreement (02 nos. of page)
 4. Annexure-D: Performance Bank Guarantee Format (02 nos. of page)

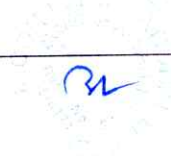

(Ashish Kumar Arya)
Chief General Manager/Electrical

For and on the behalf of,
IRCON INTERNATIONAL LIMITED

- Copy To:**
1. GM/Finance – For kind information and record please
 2. AM/Electrical /MKA – For kind information please

"Annexure-A"

ABSTRACT OF COST					
Tender No.		IRCON/2066/RTR/ELECT/OHE/2/2023/01 dated 03.11.2023			
Name of Work		Design, Supply, Installation, Testing & Commissioning of 25 kV, AC, 50 Hz, Single Phase railway electrification of new line and modification of existing electrified lines of Rampur Dumra-Tal-Rajendrapul (14 KM) and SSP at Hathidah in connection with Rampur Dumra-Tal-Rajendrapul: Additional Bridge and Doubling Project in Danapur Division of East Central Railway			
Name of Firm		Baba Udyog, 402, 4 th Floor, Mangaldeep Residency, Barwadda, Dhanbad-826001 E-mail ID:babaudyog123@gmail.com			
S.N.	Description	Estimated Cost (Inclusive of 18% GST)	Quoted Rates		
			"Excess" or "Below" or "At Par"	% in Figures	Total Quoted Cost (Inclusive of 18% GST)
1.	Design, Supply, Installation, Testing & Commissioning of 25 kV, AC, 50 Hz, Single Phase railway electrification of new line and modification of existing electrified lines of Rampur Dumra-Tal-Rajendrapul (14 KM) and SSP at Hathidah in connection with Rampur Dumra-Tal-Rajendrapul: Additional Bridge and Doubling Project in Danapur Division of East Central Railway	₹27,31,89,544.74	Below	11.00%	₹24,31,38,695.05
2.	Grand Total	-	-	-	₹24,31,38,695.05
Grand Total (in words): Rupees Twenty-Four Crore Thirty-One Lakh Thirty-Eight Thousand Six Hundred Ninety-Five and Paise Five Only					



ANNEXURE-"B"

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25 kV, AC, 50 Hz, Single Phase railway electrification of new line and modification of existing electrified lines of Rampur Dumra-Tal-Rajendrapul (14 KM) and SSP at Hathidah in connection with Rampur Dumra-Tal-Rajendrapul: Additional Bridge and Doubling Project in Danapur Division of East Central Railway

BILL OF QUANTITIES**SUMMARY**

S.N.	Sch. No.	SOR/NON-SOR	Description of Schedule	Amount (inclusive of GST)
1	16000	Non-SOR	RE - General	₹1,68,69,355.15
2	19000	Non-SOR	OHE - Ferrous other than steel structures and SPS	₹3,69,10,208.74
3	20000	Non-SOR	OHE – Non-Ferrous "A"	₹7,05,73,189.71
4	21000	Non-SOR	OHE – Non-Ferrous "B"	₹1,00,39,630.90
5	28000	Non-SOR	Tools & Plants (OHE & PSI)	₹20,27,525.10
6	30000A	Non-SOR	Galvanised Steel Structures	₹8,36,44,652.16
7	30000B	Non-SOR	Concrete for Foundation	₹2,60,64,764.25
8	30000C	Non-SOR	Miscellaneous Common Items of OHE/TSS	₹77,53,002.74
9	31000	Non-SOR	Technical Consultant & Road Vehicles	₹1,93,07,216.00
			Total Amount (inclusive of GST) =	₹27,31,89,544.74

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 16000: RE- General

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
16001	OHE-1	Preparation and submission of designs and drawings for Overhead Equipment, Switching Station, Sectioning diagram, Power supply diagram, Schematic diagram of Switching Stations, Traction Working Rule Diagram and Instructions etc. required for commissioning of OHE	TKM	₹1,982.57	₹28,740.90	35	₹69,389.98	₹10,05,931.34	₹10,75,321.32
16002	OHE-2	Supply and Erection of large Span wire (130 sq.mm) including its fittings with insulators:							
	(a)	With Porcelain Insulators 1050mm CD	Mtr	₹1,144.37	₹71.05	2500	₹28,60,912.50	₹1,77,620.00	₹30,38,532.50
	(c)	Extra on erection under Power Block	Mtr	₹0.00	₹71.05	500	₹0.00	₹35,524.00	₹35,524.00
16003	OHE-3	Supply and Erection of materials for termination of single conductor of overhead equipment or a terminating wire:							
	(a)	With Porcelain Insulators 1050mm CD	Each	₹14,459.77	₹1,326.26	20	₹2,89,195.35	₹26,525.24	₹3,15,720.59
	(c)	Extra on erection under Power Block	Each	₹0.00	₹1,326.26	5	₹0.00	₹6,631.31	₹6,631.31
16005	OHE-5	Supply and Erection of material for Termination of copper cross feeders with gantries including cross feeder wire:							
	(a)	With Porcelain Insulators 1050mm CD	Set	₹61,264.02	₹1,555.05	15.00	₹9,18,960.29	₹23,325.68	₹9,42,285.97

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RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 16000: RE- General

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
	(c)	Extra on erection under Power Block	Set	₹0.00	₹1,555.05	9.00	₹0.00	₹13,995.41	₹13,995.41
16011	OHE-10	Modification to existing Overhead Equipment	Mtr	₹0.00	₹43.42	1000	₹0.00	₹43,420.60	₹43,420.60
	OHE-10(a)	Extra for modification to existing Overhead Equipment under power block	Mtr	₹0.00	₹43.42	1000	₹0.00	₹43,420.60	₹43,420.60
16012	OHE-11(a)	Manning of switching station i.e. SP/SSP and TSS	Man-month	₹0.00	₹28,473.29	6	₹0.00	₹1,70,839.77	₹1,70,839.77
16012	OHE-11(b)	Manning of anti-theft transformer	Man-month	₹0.00	₹26,926.18	6	₹0.00	₹1,61,557.07	₹1,61,557.07
16015	OHE-13	Loading/Unloading, transportation and handing over of all type of materials etc. (other than contractor material)	Metric Tonne/KM	₹0.00	₹75.00	50	₹0.00	₹3,749.82	₹3,749.82
	OHE-AEC	Supply and Erection of Aerial Earth Conductor, 12.24 mm dia, (6/1/4.09 mm) (ACSR Racocon) with required fittings on girder bridge super structures/mast/portal/TTC with fasteners.	KM	₹60,593.00	₹13,983.00	10.5	₹6,36,226.50	₹1,46,821.50	₹7,83,048.00
	OHE-Cu. Feeder	Supply and Erection of materials for termination of 25kV 150 sqmm. Copper feeder with required fittings and fasteners	Mtr						
	(a)	With Porcelain Insulators 1050mm CD		₹1,574.66	₹393.67	5000	₹78,73,314.00	₹19,68,328.50	₹98,41,642.50

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 16000: RE- General

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
	(c)	Extra on erection under Power Block		₹0.00	₹393.67	1000	₹0.00	₹3,93,665.70	₹3,93,665.70
		Total Amount (inclusive of GST) =					₹1,26,47,998.62	₹42,21,356.52	₹1,68,69,355.15

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RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 19000: OHE - Ferrous other than steel structures and SPS

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
19001	OHE-16	Supply and Erection of a guy rod assembly	Each	₹12,365.25	₹1,330.27	125	₹15,45,656.46	₹1,66,283.35	₹17,11,939.81
	(a)	Extra on erection under Power Block	Each	₹0.00	₹1,330.27	15	₹0.00	₹19,954.00	₹19,954.00
19002	OHE-17	Supply and Erection of protective screen on FOBs/ROBs	Sq.m	₹5,324.30	₹575.36	200	₹10,64,860.45	₹1,15,071.07	₹11,79,931.52
19003	OHE-18	Supply and Erection of bracket assembly with insulators							
	(a)	With Porcelain stay & bracket Insulators 1050mm CD	Each	₹24,551.14	₹1,374.96	900	₹2,20,96,024.15	₹12,37,467.05	₹2,33,33,491.21
	(c)	Extra on erection under Power Block	Each	₹0.00	₹1,374.96	150	₹0.00	₹2,06,244.51	₹2,06,244.51
19004	OHE-19	Supply and Erection of regulating equipment (3-pulley type) with counter weight assembly for conventional OHE	Each	₹97,427.23	₹4,956.92	70	₹68,19,906.40	₹3,46,984.74	₹71,66,891.14
	(a)	Extra on erection under Power Block	Each	₹0.00	₹4,956.92	10	₹0.00	₹49,569.25	₹49,569.25
19005	OHE-20	Supply and Erection of material for termination of double Overhead Equipment conductor							
	(a)	With Porcelain Insulators 1050mm CD	Each	₹20,696.07	₹1,251.32	70	₹14,48,724.79	₹87,592.55	₹15,36,317.34
	(c)	Extra on erection under Power Block	Each	₹0.00	₹1,251.32	10	₹0.00	₹12,513.22	₹12,513.22
19007	OHE-22	Supply and Erection of a structure bond/longitudinal bond/transverse and special bond	TKM	₹34,667.11	₹7,666.81	40	₹13,86,684.48	₹3,06,672.27	₹16,93,356.75
		Total Amount (inclusive of GST) =					₹3,43,61,856.73	₹25,48,352.02	₹3,69,10,208.74



RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 20000: OHE - Non Ferrous Part 'A'

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
20001	OHE-23(a)	Supply and Erection of Over Head Equipment i.e. contact & catenary wire (excluding cost of supply of contact & catenary wires), jumper wire, dropper wire, contact/catenary clips, fasteners and all other material required at turn out/ overlaps/ diamond crossings etc. Final checking of OHE and adjustment, inspection to be done by tower wagon for commissioning of conventional OHE	TKM	₹0.00	₹59,053.82	40	₹0.00	₹23,62,152.97	₹23,62,152.97
	(i)	Extra on erection under Power Block	TKM	₹0.00	₹29,526.41	5	₹0.00	₹1,47,632.07	₹1,47,632.07
	(ii)	Extra on manual erection for catenary/contact wire.	TKM	₹0.00	₹14,763.21	40	₹0.00	₹5,90,528.29	₹5,90,528.29
20002	OHE-23(b)	Supply of contact wire (HDGCC 107/150 Sq.mm) only	MT	₹10,88,272.20	₹0.00	38	₹4,13,54,343.58	₹0.00	₹4,13,54,343.58
20003	OHE-23(c)	Supply of cadmium copper catenary wire (65 Sq. mm) only	MT	₹10,88,272.20	₹0.00	24	₹2,61,18,532.79	₹0.00	₹2,61,18,532.79
		Total Amount (inclusive of GST) =					₹6,74,72,876.37	₹31,00,313.34	₹7,05,73,189.71

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RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 21000: OHE - Non Ferrous Part 'B'

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
21001	OHE-24	Supply and Erection of anti-creep with cadmium copper catenary wire:							
	(a)	With Porcelain Insulators 1050mm CD	Each	₹93,346.88	₹6,673.22	25	₹23,33,671.91	₹1,66,830.40	₹25,00,502.31
	(c)	Extra on erection under Power Block	Each	₹0.00	₹6,673.22	5	₹0.00	₹33,366.08	₹33,366.08
21002	OHE-25	Supply and erection of section insulator assembly and associated fittings & fasteners for OHE with Bar Insulator:							
	(a)	With Porcelain Insulators 1050mm CD and Bar Insulator	Each	₹1,20,262.68	₹6,033.57	21	₹25,25,516.32	₹1,26,704.96	₹26,52,221.28
	(c)	Extra on erection under Power Block	Each	₹0.00	₹6,033.57	13	₹0.00	₹78,436.40	₹78,436.40
21006	OHE-29	Supply and Erection of all types of copper jumpers	Each	₹10,794.49	₹454.93	300	₹32,38,347.51	₹1,36,479.57	₹33,74,827.08
	OHE-29(a)	Extra on erection under Power Block	Each	₹0.00	₹454.93	50	₹0.00	₹22,746.60	₹22,746.60
21008	OHE-31	Supply of materials and erection of a large copper jumper (160sqmm) between aluminium/Copper busbar and OHE , cross feeder to OHE etc. & G-Jumpers with all associated fittings	Each	₹12,528.70	₹537.98	45	₹5,63,791.62	₹24,209.10	₹5,88,000.72
	(a)	Extra on erection under Power Block	Each	₹0.00	₹537.98	15	₹0.00	₹8,069.70	₹8,069.70

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 21000: OHE - Non Ferrous Part 'B'

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
21009	OHE-32 (a)	Supply and Erection of solid copper busbar 18 mm dia including all connectors, bus splice etc.	Mtr	₹5,375.26	₹223.02	80	₹4,30,021.02	₹17,841.61	₹4,47,862.62
	(i)	Extra on erection under Power Block	Mtr	₹0.00	₹223.02	20	₹0.00	₹4,460.40	₹4,460.40
21010	OHE-32(b)	Supply and erection of Aluminium Bus Bar 36mmx28mm size including all connectors, bus splice etc	Mtr	₹1,184.69	₹72.49	70	₹82,928.19	₹5,074.00	₹88,002.19
	(i)	Extra on erection under Power Block	Mtr	₹0.00	₹72.49	35	₹0.00	₹2,537.00	₹2,537.00
21011	OHE-34	Dismantling of traction structure, portals,TTC and associated SPS by cutting	MT	₹0.00	₹1,802.92	40	₹0.00	₹72,116.94	₹72,116.94
	OHE-34 (a)	Extra for Dismantling of traction structure, portals,TTC and associated SPS by cutting under Power Block	MT	₹0.00	₹1,802.92	10	₹0.00	₹18,029.24	₹18,029.24
21013	OHE-36	Supply and Erection of Retro-reflective type boards - 25kV AC OHE danger board/ danger board for height gauge, public, staff caution board and special boards required for commissioning of OHE/SWS	Each	₹566.36	₹152.96	200	₹1,13,272.34	₹30,591.30	₹1,43,863.64
	(a)	Extra on erection under Power Block	Each	₹0.00	₹152.96	30	₹0.00	₹4,588.70	₹4,588.70
		Total Amount (inclusive of GST) =					₹92,87,548.91	₹7,52,081.99	₹1,00,39,630.90

**RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL:
ADDITIONAL BRIDGE & DOUBLING**

Bill of Quantities

Schedule 28000: Tools & Plants (OHE & PSI)

TOOLS & PLANT (OHE & PSI)

Item No.	Description	Unit	Unit Rate (inclusive of GST)	Quantity	Total Amount (Inclusive of GST)
28001	Tirfor 2.5T/1.5T, ISI marked as per IS :5604/1984 or latest (Make TRACTEL /TIRFOR or equivalent as approved by Engineer)	Nos	₹19,290.26	8	₹1,54,322.09
28002	Tirfor 5T /3 T ISI marked as per IS :5604/1984 or latest (Make TRACTEL /TIRFOR or equivalent as approved by Engineer)	Nos	₹26,361.02	3	₹79,083.05
28004	Pull lift 0.75 T/0.8 T ISI mark (Make TRACTEL or equivalent as approved by engineer)	Nos	₹10,608.96	2	₹21,217.93
28006	Rail jumpers made of multistrand copper PVC Cable 248/0.457 mm size with suitable clamps at both ends as per RDSO specification no ETI/OHE/3/(2/94) with A& C slip no 1 (04/95) or latest and as approved by Engineer-				
(c)	13 meter length	Each	₹3,643.54	30	₹1,09,306.19
28007	Earthing discharge rod complete suitable for working voltage of 25KV AC traction, fibre glass body screw type in a suitable carry bag as per RDSO specification no ETI/OHE/51(9/87) or latest and as approved by engineer.	Each	₹19,444.29	10	₹1,94,442.93
28008	Aluminium Straight ladder extendable type (11mtr), Closed height 6mtr Extended height 11 mtr. (SUMER make Ref-AL100/8809 or equivalent as approved by engineer) .	Nos	₹22,836.40	6	₹1,37,018.39
28009 (a)	Portable electric drill suitable for drilling holes of 12-23mm dia, working on single phase, 230V AC supply alongwith 2 nos suitable spare drill bits (Make: Railli wolf model WDH-12 or equivalent model of Hitachi/Black & Decker as approved by Engineer).	Nos	₹20,006.06	1	₹20,006.06

**RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL:
ADDITIONAL BRIDGE & DOUBLING**

Bill of Quantities

Schedule 28000: Tools & Plants (OHE & PSI)

TOOLS & PLANT (OHE & PSI)

Item No.	Description	Unit	Unit Rate (inclusive of GST)	Quantity	Total Amount (Inclusive of GST)
28009 (b)	Portable rail drilling machine, capable of drilling holes in rail flange upto hole dia. 0-36 mm, suitable for both 52kg & 60kg rail, having petrol start Kerosene run HONDA engine 100 cc, along with all accessories. Make Jin Shaa or superior as approved by Engineer.	Nos	₹1,20,192.64	1	₹1,20,192.64
28010	First aid box made of GI/AL sheet, ISI marked, filled with medicines as per concerned zonal Railway standard with suitable locking arrangement and as approved by Engineer.	Nos	₹3,215.42	3	₹9,646.26
28011	Stretcher two fold type, made of high quality aluminium alloy tubes. Aprox. Dimensions: unfolded 2100x560x150mm and folded 1100x200x110mm, max weight 8kg, suitable for load weight upto 150kg, to be supplied with sturdy carry case as approved by Engineer.	Nos	₹4,165.66	1	₹4,165.66
28012	Set of 4 Fire buckets (10Ltrs) capacity with one stand and cover suitable for switching station/TSS and as approved by engineer.	set	₹9,014.28	4	₹36,057.11
28013	Portable fire extinguisher dry chemical powder as per IS:2171, ISI marked (10 kg OR 2 Nos X 5 kg as required at site and as approved by engineer).	Each	₹3,394.37	4	₹13,577.48
28014	Portable fire extinguisher dry chemical powder type, suitably mounted on trolley as per IS:10658, ISI marked (25 kg capacity) with minimum discharge range 6 mtrs.	Each	₹11,777.80	4	₹47,111.18
28015	D Shackles set of alloy steel consisting one no of each size (1", 3/4", 5/8", 1/2") upto 5T load capacity as per IS:6132 suitable for use in TRD works.	Set	₹3,215.42	10	₹32,154.21
28016	Set of Steel slings with eye on each end of 8mmX2M & 12mmX3M length	Set	₹4,018.43	10	₹40,184.27

**RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL:
ADDITIONAL BRIDGE & DOUBLING**

Bill of Quantities

Schedule 28000: Tools & Plants (OHE & PSI)

TOOLS & PLANT (OHE & PSI)

Item No.	Description	Unit	Unit Rate (inclusive of GST)	Quantity	Total Amount (Inclusive of GST)
28017	Stainless steel Digital micro meter suitable for measuring 0-25 mm dia, resolution 0.001mm and accuracy of (+/-)1µm. Mitutoyo make or equivalent as approved by engineer.	Nos	₹13,356.63	1	₹13,356.63
TESTING AND MEASURING EQUIPMENTS					
28021	Binoculars Nikon-8252 ACULON A211 10-22x50 zoom Binocular or equivalent as approved by Engineer	Nos	₹17,355.80	2	₹34,711.60
28022	Vernier Calipers Digital, range 0-200 mm Mitutoyo make Model 500-197-30 or equivalent as approved by Engineer	Nos	₹17,267.46	2	₹34,534.91
28024 (b)	High sensitivity Digital multi-meter for measuring AC/DC voltage, AC/DC currents, resistance, frequency, capacitance. Megger make model AVO410 or superior as approved by Engineer	Nos	₹43,337.40	1	₹43,337.40
28029	Portable arc welding machine 250 A capacity, rated out put current 10-250Amps, rated out put voltage 28V, Rated input power-5KVA, electrode size & welding thickness 0.5mm to 3.15mm suitable to work on 230 V ± 15%, 50Hz single phase AC supply, IP23 protection complete set with copper holder, earth clamp and PVC copper cable of suitable size of 10m length.	Each	₹18,780.60	1	₹18,780.60
28042	Spanners set consisting of 4 sets of double ended Ring spanner & 4 sets of double ended Flat type spanner , 12 pieces in each set (6mm to 42mm size), Gedore or Tapania make with ISI Mark or as approved by engineer.	Set	₹15,457.58	10	₹1,54,575.79

**RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL:
ADDITIONAL BRIDGE & DOUBLING**

Bill of Quantities

Schedule 28000: Tools & Plants (OHE & PSI)

TOOLS & PLANT (OHE & PSI)

Item No.	Description	Unit	Unit Rate (inclusive of GST)	Quantity	Total Amount (Inclusive of GST)
28045	Insulation Megger with voltage selectable range of 250V, 500 V, 1000 V, 2500 V and 5000 V digital numeric display with Insulation (InS), Polarisation Index (PI) and variable time test modes and IR measurements upto 1000 G Ohms in hard carrying case with all standard accessories similar to Megger make model BM5200 or Motwane 5KPI or superior as approved by Engineer.	Each	₹2,31,138.82	2	₹4,62,277.64
28046(a)	Supply of Digital Ground/Earth tester suitable for 2, 3 & 4 point ground rod and soil resistivity testing having range 0.01Ω to 20KΩ with all standard accessories and carrying case similar to Megger Make Model DET4TR2 or superior and as approved by Engineer.	Each	₹2,47,465.10	1	₹2,47,465.10
	Total Amount (inclusive of GST) =				₹20,27,525.10

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000A: Galvanized Steel Structures

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30009	CS-9	Supply and Erection of all types of galvanised Steel Structures, Small Parts Steel etc.	MT	₹1,33,342.00	₹ 4,205.30	602	₹8,02,71,885.08	₹25,31,593.02	₹8,28,03,478.09
	(a)	Extra on Erection under Power Block.	MT	₹ -	₹ 4,205.30	100	₹0.00	₹ 4,20,530.40	₹ 4,20,530.40
	(b)	Extra rate on Manual Erection.	MT	₹-	₹ 2,103.22	200	₹0.00	₹ 4,20,643.66	₹4,20,643.66
		Total Amount (inclusive of GST) =					₹8,02,71,885.08	₹33,72,767.08	₹8,36,44,652.16

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Schedule 30000B

Concrete for Fondation

Sch. No.	Item No.	Description	Unit	Rate (inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30006B	CS-6 (b)	Providing and laying of concrete for foundation and plinth in all types of Soils using M-15 grade concrete for main foundation and M-20 grade concrete for grouting and mufing including nominal reinforcement wherever required as per RDSO drawings.	CUM	₹ 7,753.71	₹ 2,123.60	2530	₹1,96,16,876.81	₹53,72,720.42	₹2,49,89,597.24
30008	CS-8	Providing and laying of Reinforced Concrete for Pier/Column/Pile, Cable Trench and Trench Cover and special designed foundations requiring reinforcement	CUM	₹ -	₹ 9,774.25	110	₹ -	₹10,75,167.01	₹ 10,75,167.01
		Total Amount (inclusive of GST) =					₹1,96,16,876.81	₹64,47,887.43	₹ 2,60,64,764.25

30/09/2024

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000C: Miscellaneous Common Items of OHE/TSS

Sch. No.	Item No.	Description	Unit	Rate (Inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30001	CS-1	Supply, Erection, Testing and Commissioning of 25kV, 1600Amp Vacuum Interruptor	Each	₹ 4,86,778.95	₹ 5,564.41	2.00	₹ 9,73,557.89	₹ 11,128.82	₹ 9,84,686.72
30002	CS-2	Supply, Erection, Testing and commissioning of 25kV Potential Transformer Type-I or Type-II.	Each	₹ 99,192.17	₹ 1,047.65	2.00	₹ 1,98,384.34	₹ 2,095.29	₹ 2,00,479.63
30003	CS-3	Supply, Erection, Testing and commissioning of 42kV Lightning Arrestor with surge monitor, counter and cable	Each	₹ 35,770.57	₹ 733.92	2.00	₹ 71,541.13	₹ 1,467.84	₹ 73,008.97
30004	CS-4	Supply and Installation of cables for SWS/TSS	Mtr	₹ 276.35	₹ 21.52	80.00	₹ 22,108.14	₹ 1,721.54	₹ 23,829.68
30005A	CS-5(a)	Supply, Erection, Oil Filtration, Testing and Commissioning of 25kV/240V, 10 KVA Auxilliary (LT) supply transformer with 25 kV D.O. fuse switch assembly, anti climbing device, Arcing horns, post insulators, copper jumper and earth electrode etc.							
	(i)	With Porcelain Insulators 1050mm CD.	Set	₹ 1,36,553.99	₹ 13,911.56	6.00	₹ 8,19,323.93	₹ 83,469.37	₹ 9,02,793.30
	(iii)	Extra on erection under Power Block.	Each	₹ -	₹ 13,911.56	1.00	₹ -	₹ 13,911.56	₹ 13,911.56
30010	CS-10	Supply and erection of Fencing Panels, Uprights, Gate and Anti-Climbing device	Mtr.	₹ 3,950.47	₹ 132.51	50.00	₹ 1,97,523.57	₹ 6,625.65	₹ 2,04,149.22

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000C: Miscellaneous Common Items of OHE/TSS

Sch. No.	Item No.	Description	Unit	Rate (Inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30012	CS-12	Supply and erection of Copper Strips for equipment earthing	Mtr	₹ 1,876.70	₹ 198.20	50.00	₹ 93,835.02	₹ 9,910.16	₹ 1,03,745.18
30014	CS-14	Supply and spreading of gravel/ ballast in the switching yard (TSS/SP/SSP)	CUM	₹ 1,410.07	₹ 10.19	2.50	₹ 3,525.18	₹ 25.48	₹ 3,550.67
30015A	CS-15(a)	Dismantling of Redundant foundations with compressor powered machines/manually with contractor's own men and material including consumables like Diesel Oil etc.	Nos.	₹ -	₹ 5,044.76	25.00	₹ -	₹ 1,26,119.03	₹ 1,26,119.03
30016	CS-16	Monthly charges for one crane operator for full time operation for one crane including Monthly charges for one Watch & Ward for one crane.	Man Month	₹ -	₹ 25,430.03	10.00	₹ -	₹ 2,54,300.27	₹ 2,54,300.27

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000C: Miscellaneous Common Items of OHE/TSS

Sch. No.	Item No.	Description	Unit	Rate (Inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30017	CS-17	Supply, Erection, Testing and Commissioning of anti theft transformer 240Volt/2.2kV, 5 kVA with DO Fuse switch excavation of cable trench, laying of cables, earthing, jumpering, DG set including dismantling of above equipments as per directions of Engineer	Each location	₹1,00,334.95	₹69,772.03	2.00	₹ 2,00,669.90	₹ 1,39,544.06	₹ 3,40,213.97
30019	CS-19	Hiring charges for semi skilled Labour with proper tools for working during Non interlocking period.	Man-Days	₹ -	₹ 396.71	200.00	₹ -	₹ 79,342.64	₹ 79,342.64
30020	CS-20	Supply and Laying of dry stone boulder pitching of aprox. 300mm thickness in exposed slopes at SWS,TSS and OHE Foundations etc	CUM	₹ 1,105.41	₹ 275.22	50.00	₹ 55,270.36	₹ 13,760.96	₹ 69,031.32
30021	CS-21	Extra Earthwork in filling at SWS, TSS and OHE Foundations	CUM	₹ 258.23	₹ 63.43	364.00	₹ 93,995.85	₹ 23,086.70	₹ 1,17,082.55
30023C	CS-23(c)	Supply and Erection of single pole isolator 1600 Amp with insulators	Each	₹ 1,18,319.10	₹ 4,652.09	15.00	₹17,74,786.53	₹ 69,781.39	₹ 18,44,567.92
30023	(i)	Extra on erection rate under power block	Each	₹ -	₹ 4,652.09	5.00	₹ -	₹ 23,260.46	₹ 23,260.46

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RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000C: Miscellaneous Common Items of OHE/TSS

Sch. No.	Item No.	Description	Unit	Rate (Inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30023D	CS-23(d)	Supply and Erection of 25kV Double Pole Isolator 1600Amp with insulators, with/without earth contact assembly and with/without interlock	Each	₹1,10,615.47	₹ 3,696.77	2.00	₹ 2,21,230.93	₹ 7,393.54	₹ 2,28,624.47
30024A	CS-24(a)	Excavation of Earth to required depth below rail level, burying 13 mtrs of long rail and connecting it as per latest RDSO drawings at TSS/Switching Stations/mid section including covering back and proper dressing up of earth (Rail will be supplied by IRCON excluding earth electrodes)	job	₹ -	₹19,871.28	8.00	₹ -	₹1,58,970.23	₹ 1,58,970.23
30024C	CS-24(c)	Supply and erection of earth lead using 75x8mm GI flat laid in ground/exposed as per the site requirement	Mtr.	₹ 670.49	₹ 318.26	225.00	₹ 1,50,860.89	₹ 71,607.96	₹ 2,22,468.85
30025	CS-25	Watching and guarding of OHE along the track after EIG for 12 hrs each day on administrative reasons							
	(a)	Person with arms	Per Person/day	₹ 797.37	₹ -	360.00	₹ 2,87,054.89	₹ -	₹ 2,87,054.89
	(b)	Person without arms	Per Person/day	₹ 725.33	₹ -	720.00	₹ 5,22,238.75	₹ -	₹ 5,22,238.75

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 30000C: Miscellaneous Common Items of OHE/TSS

Sch. No.	Item No.	Description	Unit	Rate (Inclusive of GST)		Quantity	Amount (inclusive of GST)		Total Amount (inclusive of GST)
				Supply	Erection		Supply	Erection	
30026	CS-26	Supply & Erection of 25kV Support/ Post insulators with fittings and fasteners.	Each	₹ 4,514.82	₹ 169.73	45.00	₹ 2,03,167.00	₹ 7,638.03	₹ 2,10,805.03
	CS-Earth Electrode	Earthing with 4.5 meter long, 40mm dia, G.I. pipe class 'B' earth electrode, adding the charcoal or coke and salt, providing concrete enclosure and MS cover plate with lifting arrangement etc.	Job	₹ 4,103.57	₹ 2,406.14	45.00	₹ 1,84,660.56	₹ 1,08,276.21	₹ 2,92,936.77
	CS-9T	Supply and Erection of 25 kV 9-Ton insulators including fittings	Each	₹ 7,547.20	₹ 1,163.05	50.00	₹ 3,77,360.11	₹ 58,152.36	₹ 4,35,512.47
	(i)	Extra erection under Power Block	Each	₹ -	₹ 1,163.05	10.00	₹ -	₹ 11,630.47	₹ 11,630.47
	CS-50*6 MS Flat	Supply and erection of earth leads 50 x 6mm mild steel flat laid in the ground or exposed as per site requirement	Mtr	₹ 126.85	₹ 60.03	100.00	₹ 12,685.00	₹ 6,002.72	₹ 18,687.72
		Total Amount (inclusive of GST) =					₹51,85,503.49	₹12,66,806.54	₹ 77,53,002.74

2019

RAILWAY ELECTRIFICATION WORK OF RAMPUR DUMRA-TAL-RAJENDRA PUL: ADDITIONAL BRIDGE & DOUBLING

Bill of Quantities

Schedule 31000: Technical Consultant & Road Vehicles

Item No.	Description	Unit	Personnel/ Qty.	Months	Unit Rate (inclusive of GST)	Total Amount (Inclusive of GST)
A	Technical consultants					
1	Resident Engineer (Electrical / Mechanical) for OHE / PSI / GS/ TSS / SCADA works)	Man Month	1	18	₹1,81,696.96	₹32,70,545.00
2	Electrical Expert for OHE / PSI / GS/ TSS / SCADA works)	Man Month	2	18	₹1,17,568.62	₹42,32,470.00
3	Supervisor Electrical (OHE/ PSI/ GS/ TSS/ SCADA)	Man Month	2	18	₹89,649.72	₹32,27,390.00
4	Computer Operator/MCM/Fitter	Man Month	2	18	₹38,262.18	₹13,77,438.00
5	Office Peon/ Office Boy/ MTS	Man Month	2	18	₹35,014.85	₹12,60,535.00
B	Road Vehicle					
1	Provision of one dedicated Vehicle for movement (7 seater passenger SUV) for movement of IRCON Electrical Engineers on project site. Registration of vehicle shall not be earlier than Jan 2023. All cost such as fuel, maintenance, Driver's salary, fooding & lodging, Insurance, Toll charges shall be borne by the contractor. Vehicle must be available 24x7 along with driver. Per month limit of vehicle for Running of Vehicle is 4000 Kms. For extra km, Rs.18 per km will be paid extra.	Vehicle Month	2	36	₹82,483.86	₹59,38,838.00
	Total Amount (inclusive of GST) =					₹1,93,07,216.00

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

THIS AGREEMENT made on _____ day of _____ (Month/year) between IRCON International Limited, , Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800001 acting through (Chief Project Manager/Railway Projects, Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800001) (hereinafter called "the Employer/Engineer") of the one part and _____ (name and address of the Contractor) (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer is desirous that certain works should be executed by the Contractor viz. **Contract No** IRCON/2066/RTR/ELECT/OHE/2/2023/1/CA (hereinafter called "the Works", and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - a. Agreement
 - b. Letter of Acceptance of Tender
 - c. Addendum(s)/Corrigendum(s), if any.
 - d. E-Procurement Notice
 - e. Instructions to the Tenderers
 - f. Appendix to Tender
 - g. Form of Bid
 - h. Special Conditions of the Contract
 - i. General Conditions of Contract
 - j. Drawings
 - k. Technical Specifications & Standards
 - l. Certificate of Familiarization
 - m. Safety, Health & Environment
 - n. Explanatory Notes
 - o. Bill of Quantity

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year first before written.

(Name, Designation and address of the
authorized signatory)

(Name, Designation and address of the
authorized signatory)

Signed for and on behalf of the Contractor
in the presence of:

Signed for and on behalf of the Contractor
in the presence of:

Witness:

Witness:

1. Signature.....
Name.....
Address.....
.....
2. Signature.....
Name.....
Address.....
.....

1. Signature.....
Name.....
Address.....
.....
2. Signature.....
Name.....
Address.....
.....

PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To
IRCON International
Limited,

[Acting through _____ (Project Incharge) & Address of the Project]

WHEREAS _____ [name and address of contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute the work of _____ " [name of Contract and brief description of Works] (hereinafter called "the Contract.");

AND WHEREAS it has been stipulated by you in the said Contract that the contractor shall furnish you with a Bank Guarantee by a Scheduled Bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ [amount of Guarantee], _____ [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we unconditionally agree and undertake to pay you, without any demur or protest, at once, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of Guarantee] as mentioned in demand letter, without requiring you to prove or to show grounds or reasons for your such demand for the sum specified therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to _____ (a date **60 days** from the date of completion of the work).

We, the _____ Bank further agree that this guarantee shall be invokable at our place of business at New Delhi/NCR/Project HQ (Indicate detail address of branch with Code No.). The branch at New Delhi/NCR/Project HQ is being advised accordingly.

This Bank Guarantee shall be operative only if it is accompanied by a separate advice sent by _____ (Name of Issuing Bank, with address) on _____ (Name of Employer's Bank, with address) IFS Code _____ through Structured Financial Messaging System (SFMS) and authenticated by the Employer's Bank.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank:

Address:

Date:

* The Bank should indicate detailed address of New Delhi/NCR/Project HQ branch along with its Code No

Signature Not Verified

Digitally signed by SHASHIHEEKANT
Date: 2024.01.16 14:59:00 IST
Location: eProcurement System for
Central PSUs