



इरकॉन इंटरनेशनल लिमिटेड
नवरत्न कम्पनी
(भारत सरकार का उपक्रम)
IRCON INTERNATIONAL LIMITED
NAVRATNA COMPANY
(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, 2506543
Sone Bhawan (First Floor), Daroga Prasad Rai Path, Patna - 800 001, Phone : 0612-2506446, 2506543

LOA No. IRCON/2067/KG/ ELECT(G)/6/2023/1/LOA/ 472
(ORIGINAL)

Date 09.04.2024

Letter of Acceptance

M/s M.K. Enterprise,
195, New Mahal, Mughalsarai,
Distt. - Chandauli, U.P. – 232101
E-mail ID: rparmar1970@yahoo.com

Kind Attn.: Shri Rajesh Kumar Parmar

Name of Work: Design, Supply, Installation, Testing & Commissioning of Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings in connection with Kiul-Gaya Doubling Project in Danapur Division of East Central Railways

Ref: i. Tender No. IRCON/2067/KG/ELECT(G)/TENDER/6/2024/01 dated 16.01.2024
ii. Your Online offer regarding above tender (Bid ID 665157 dated 02.02.2024)
iii. Technical Bid opened on 06.02.2024
iv. Financial Bid opened on 15.03.2024

In reference to the subject work, we are pleased to inform you that Ircon International Limited have accepted your quoted offer at **2.00% below** the estimated cost for the subject work at a total value of ₹ 2,19,85,353.16 (Rupees Two Crore Nineteen Lakh Eighty-Five Thousand Three Hundred Fifty-Three and Paise Sixteen 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 **seven (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 Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings in connection with Kiul-Gaya Doubling Project in Danapur Division of East Central Railways." (Refer SCC Clause No. 4.0)

3. COMPLETION PERIOD:

The work is required to be completed within nine (9) months from the date of issue of the Letter of Acceptance (LOA) including monsoon period. The work has to be executed in

पंजीकृत कार्यालय : सी-4, डिस्ट्रिक्ट सेन्टर, 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 : L45203DL1976GOI008171



co-ordination with other agencies working on or near the project. (Refer SCC Clause No. 25.0)

4. WORK PROGRAM:

The contractor shall submit detailed work programme within 15 days of award of work as per Clause No. 16.0 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. 49.0).

6. INSURANCE:

You are requested to obtain necessary insurance cover and submit the insurance policies before commencement of work as per Clause No. 11.0 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. 42.0)

8. CONTRACT AGREEMENT:

As per para 13.5 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 ₹10,99,268.00 (Rupees Ten Lacs Ninety-Nine Thousand Two Hundred Sixty-Eight Only) (5% (Five percent) of the contract value i.e., ₹ 2,19,85,353.16 as per clause 10.1.2 of SCC) within 21 days from the issue of LOA.

10. PAYMENT TERMS:

The payment shall be made by IRCON as specified in Clause No. 34.0 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 twelve (12) months. (Refer SCC Clause No. 10.2)

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.

20/09/24

13. This letter will constitute a legal and binding contract **between IRCON INTERNATIONAL LIMITED and M/s Kumar Enterprise, 195, New Mahal, Mughalsarai, Distt. - Chandauli, U.P. - 232101** till completion of defect liability period.
14. You are requested to contact Sh. Rabikant Mandal, Manager/Electrical/KG, 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 (9 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. AGM/Finance – For kind information and record please
 2. Manager/Electrical /KG – For kind information please

"Annexure-A"

ABSTRACT OF COST					
Tender No.		IRCON/2067/KG/ELECT(G)/TENDER/6/2024/01 dated 16.01.2024			
Name of Work		Design, Supply, Installation, Testing & Commissioning of Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings in connection with Kiul-Gaya Doubling Project in Danapur Division of East Central Railways			
Name of Firm		M/s M.K. Enterprise, 195, New Mahal, Mughalsarai, Distt. - Chandauli, U.P. - 232101 E-mail ID: rparmar1970@yahoo.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 Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings in connection with Kiul-Gaya Doubling Project in Danapur Division of East Central Railways	₹2,24,34,033.84	Below	2.00%	₹ 2,19,85,353.16
2.	Grand Total	-	-	-	₹ 2,19,85,353.16
Grand Total (in words): Rupees Two Crore Nineteen Lakh Eighty-Five Thousand Three Hundred Fifty-Three and Paise Sixteen Only					

16.01.24

BILL OF QUANTITY

Name of the work: Supply, Installation, Testing & Commissioning of Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings etc. in connection with Kiul-Gaya Doubling Project of East Central Railway.

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
1	Supply, delivery Laying of G.I.pipe 50 mm dia for laying the cable along the rail post, track, crossing etc.	Mtr.	₹ 509.59	36	₹ 18,345.24
2	Supply, delivery and laying of G.I.pipe 100 mm dia. for laying the cable along the rail post, track, Road crossing etc.	Mtr.	₹ 1,441.26	36	₹ 51,885.36
3	Supply, delivery and laying of GI pipe 150 mm dia. for erection on pole for cable support. Rate included cost of all materials and labour charges.	Mtr.	₹ 1,587.39	30	₹ 47,621.70
4	Supply, fixing, connection, testing and commissioning of Cable terminal Bus-bar box with closing arrangement and all other accessories including channel and hardware materials for fixing of Box approved make.	Nos.	₹ 1,867.93	15	₹ 28,018.95
5	Supply and erection of Danger board on 11kV site	Nos.	₹ 78.96	20	₹ 1,579.20
6	Supply and fixing of plain bracket /V Bracket, cross bracing and various type of the clamps of M.S channel iron 75mmx40mmx7.14mm per meter cross arm for or MS angle (65mmx65mmx6mm) for over head line complete with clamps, bolts and nuts etc. including drilling of holes for insulators pins, bolts and nuts etc. and painting with primer and finish paint as required. The rate includes transportation of material to site for 11kV line including cost of all materials and labour, complete with two coats of red oxide before erection and two coats of aluminium paint.	Kgs.	₹ 88.35	500	₹ 44,175.00
7	Supply and fixing of LT Pin/shackle insulator on site as required	Nos.	₹ 29.46	90	₹ 2,651.40
8	Supply & Erection of earthing station as per CEE/CCC s specification with G.I. earth electrode pipe B class TATA/JINDAL make of size 50 mm dia x3 Mtrs. long and provided with alternative layer of charcoal and salt in the earth pit around GI pipe with suitable clamping arrangement including supply and connection of 6 SWG GI wire from earth pit to main board/panel board etc. along with masonry work encasing the pit.	Nos.	₹ 2,603.30	18	₹ 46,859.40
9	Supply & erection of 11 kV pin insulator complete with large steel head GI pin with galvanised stand clamps, bolts, nuts, washers etc. as required	Set	₹ 289.41	60	₹ 17,364.60
10	Supply & Erection of 11 kV disc insulators for 11kV overhead line with galvanised insulators fittings ball & socket type & complete with galvanised stain clamp, bolts, nuts & washer etc. as required.	Nos.	₹ 593.26	24	₹ 14,238.24
11	Supply and delivery of M.S nuts & Bolts including cost of materials and labour charges.	Kgs.	₹ 154.32	100	₹ 15,432.00
12	Transportation of released materials (Rail pole, Conductors etc.) from site to Local BSEB store including cost towards dismantling, handling, loading, unloading in total equivalent.	Kgs.	₹ 6.13	1000	₹ 6,130.00

07/24

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
13	Laying of cable partly through trench at a depth of 1m and filling with sand, brick work (16 nos. of bricks per meter run) or under the road by laying of G.I. pipe at depth of not less than 1m or either in existing masonry trench or on cable tray or fixed on wall/post with suitable MS flat 35x6mm clamp and saddle including supplying and fixing suitable end termination with cable gland and aluminium lugs wherever required as per instruction of engineer-in-Charge, refilling with earth etc. complete as required.	Mtr.	₹ 350.44	11800	₹ 41,35,192.00
14	Laying of LT/HT Cable through HDD Method	Mtr.	₹ 879.49	100	₹ 87,949.00
15	Supply and delivery of Rail pole (510 kg) 13 meter long as per site of requirement.	Nos	₹ 50,605.74	20	₹ 10,12,114.80
16	Carrying of the Rail post 42/36/30/20 ft long from nearest site of store to erection site with loading and unloading.	Nos.	₹ 233.92	20	₹ 4,678.40
17	Erection of Rail Pole with cement, concrete, sand mixture in Ratio of 1:3:6, including excavation etc.	Nos.	₹ 5,184.98	20	₹ 1,03,699.60
18	Muffing of foundation of Rail post of (0.45x0.45x1) mtrs with cement, concrete mixture etc in ratio of 1:3:6.	Mtr.	₹ 342.96	20	₹ 6,859.20
19	Cutting of Rail pole of different size at site	Nos.	₹ 815.21	10	₹ 8,152.10
20	Supply & Erection of ACSR DOG Conductors (6/4.72+7/1.59) rates are inclusive of materials & labour charges.	Km	₹ 85,374.73	4.5	₹ 3,84,186.29
21	Supply & Erection of ACSR Conductors (7/3.35 mm Rabbit) rates are inclusive of materials & labour charges.	Km	₹ 46,218.18	8	₹ 3,69,745.44
22	Trimming and cutting of tree branches from different location/sites as per the site requirement in various situation by manual or through machines according to the condition of tree.	Job	₹ 3,541.56	4	₹ 14,166.24
23	Drawing of guard wire and lacing wire including "stretching, tensioning and stringing, lacing with 8SWG GI wire at least 5 Nos. in each span complete as required."	KM	₹ 4,309.66	4	₹ 17,238.64
24	Supply, Fixing, Connection, Testing and commissioning of DP MCB 63 Amp 230 volt with box Make Legrand/Havells /HPL or similar.	Nos.	₹ 1,957.77	10	₹ 19,577.70
25	Supply, installation, testing and commissioning of 11 kV lightning arrestor on top of the post with suitable channel including separate earthing arrangement by 2x15mm dia medium gauge GI pipe TATA/JINDAL/BANSAL 3 mtr long as per the standard specification as 4 SWG GI wire from earthing station to LA (each set containing 3 No. of LA).	Set	₹ 8,835.07	3	₹ 26,505.21
26	Supply, fixing, connection, testing and commissioning of GOS of 11 kV, 3pole, 400A with locking arrangement and all other accessories including channel and hardware materials for fixing of GOS, make ADCO/DHEL or similar approve make.	Nos.	₹ 26,493.96	5	₹ 1,32,469.80
27	Dismantling of HT/LT overhead line.	Span	₹ 532.58	20	₹ 10,651.60
28	Supply, fixing, connection, testing and commissioning of Drop Out Fuse complete with all accessories of required size.	Set	₹ 6,662.59	5	₹ 33,312.95

09/04

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
29	Supply and erection of earthing station as per standard specification with GI pipe B class make TATA/JINDAL/BANSAL or ISI marked of size 75mm dia x 6mts long and provided with alternate layer of charcoal and salt in the earthen pit around GI pipe with suitable clamping arrangement including supply and connection with 6 SWG GI wire from earth pipe to transformer site as per requirement.	Nos.	₹ 6,827.81	12	₹ 81,933.75
30	Supply and erection of 25/40mm x 6mm GI Flat as per site requirement	kg.	₹ 111.60	40	₹ 4,464.00
31	Supply of Octagonal Dip Galvanised in single dip average 70 micron DFT, BOP -6030 type of 6 m long top dia 70 mm bottom dia 130 mm sheet thickness 3 mm in single section with base plate 220x220x12 mm LxBXT with 4x20 mm dia 600 mm long with 100mm projection foundation bolt complete with smart pack junction box 6a MCB & stud terminal for mounting inside base plate and internal wiring for terminal to fitting with 2x25 sqmm cable of reputed make bajaj, bansal, Jindal, transrail rails ltd., Gammon Group.	Nos.	₹ 13,109.26	85	₹ 11,14,287.10
32	Supply and erection of Dip Galvanised single arm bracket 1000 mm long suitable for 3 to 10 mts. Long octagonal light post.	Nos.	₹ 1,302.94	13	₹ 16,938.22
33	Supply and erection of Dip Galvanised double arm bracket 1000 mm long suitable for 3 to 10 mts. Long octagonal light post	Nos.	₹ 2,246.76	72	₹ 1,61,766.72
34	Making foundation suitable for 3 to 7 mtrs. octagonal pole as per manufacturer dimension & requirement.	Nos.	₹ 4,041.48	85	₹ 3,43,525.80
35	Supply, fixing, connection, testing and commissioning of 45 W, LED Street lighting luminaire with pressure die cast housing, toughened glass and individual LED with secondary optics and IP 66 protection as per Havells ref no Cat (ENDURAPPEARLNEOSL45WLED757SASYTOP C). Make -Bajaj, Phillips, havells or similar.	Nos.	₹ 4,334.86	161	₹ 6,97,912.46
36	Supply and delivery of PCC Pole 400 kg on site.	Nos.	₹ 4,474.26	20	₹ 89,485.20
37	Erection of PSC Pole by means of cement concrete (Excavation, Foundation & Muffing Etc.) in the ratio of 1:3:6 including cost of all materials and labour charges.	Nos.	₹ 3,626.82	20	₹ 72,536.40
38	Supply and delivery of XLPE Insulated (Heavy Duty) 3.5 core, 240 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make).	Mtr.	₹ 1,081.85	1500	₹ 16,22,775.00
39	Supply and delivery of XLPE Insulated (Heavy Meters Duty) 2 core, 120 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make).	Mtr.	₹ 401.35	1000	₹ 4,01,350.00
40	Supply and delivery of XLPE Insulated (Heavy Duty) 4 core, 95 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make).	Mtr.	₹ 523.89	500	₹ 2,61,945.00
41	Supply and delivery of XLPE Insulated (Heavy Duty) 4 core, 70 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make).	Mtr.	₹ 385.74	500	₹ 1,92,870.00

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
42	Supply and delivery of PVC Insulated (Heavy Meters Duty) 2 core, 70 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make)	Mtr.	₹ 254.93	2500	₹ 6,37,325.00
43	Supply and delivery of XLPE Insulated (Heavy Duty) 4 core, 35 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make)	Mtr.	₹ 384.51	1000	₹ 3,84,510.00
44	Supply and delivery of XLPE Insulated (Heavy Duty) 2 core, 35 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make)	Mtr.	₹ 154.12	1000	₹ 1,54,120.00
45	Supply and delivery of XLPE Insulated (Heavy Duty) 4 core, 16 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make)	Mtr.	₹ 132.88	500	₹ 66,440.00
46	Supply and delivery of XLPE Insulated (Heavy Duty) 2 core, 16 sqmm, 1100 V Grade, as per IS 7098 (part-1) XLPE insulated, armoured, C Aluminium cable (Make Glostar/Crystal/Polycab or similar ISI marked and approved make)	Mtr.	₹ 200.36	3000	₹ 6,01,080.00
47	Heat Shrinkable Straight Through XPLE Aluminium Cable Jointing Kit, 1.1 KV. Make: Raychem, Dension, 3M, mseal or similar				
(a)	10-16 sqmm, 2-Core,	Nos.	₹ 1,679.88	5	₹ 8,399.40
(b)	25-50 sqmm, 2-Core,	Nos.	₹ 2,786.37	5	₹ 13,931.85
(c)	25-50 sqmm, 4-Core,	Nos.	₹ 3,523.23	5	₹ 17,616.15
(d)	70-150 sqmm, 2-Core,	Nos.	₹ 4,915.61	5	₹ 24,578.05
(e)	70-150 sqmm, 4-Core,	Nos.	₹ 5,407.66	5	₹ 27,038.30
48	Supply and delivery of 200 KVA, 11 kV/415V KVA Oil immersed air cooled, copper wound, core type, Distribution Transformer outdoor type with off load tap changer complete with transformer oil and all other accessories. Make: ETE/SIEMENS/ABB/Schneider or similar as per IS-2026 Standard.	Nos.	₹ 3,21,626.25	4	₹ 12,86,505.00
49	Construction of foundation for power distribution transformer or other similar machines using M-10 grade concrete	cum	₹ 6,230.71	20	₹ 1,24,614.20
50	Providing fencing/ enclosure for item no. 48 as directed by site Engineer incharge IRCON.	kg.	₹ 109.02	1000	₹ 1,09,020.00
51	Installation of transformer including HT/LT Cable connection, earthing connection, commissioning and load testing etc.	Nos.	₹ 6,259.04	5	₹ 31,295.20
52	Disconnection & Dismantling of old Distribution Transformer 11 kV/415V outdoor type and shifted to nearest secure site."	Nos.	₹ 13,260.64	5	₹ 66,303.20
53	Supply of 11 kV, 300 sq.mm, 3-core XLPE HT Aluminium cable make polycab/KES/Universal or similar.	Mtr.	₹ 2,261.59	500	₹ 11,30,794.50
54	Supply of 11 kV, 300/400 sq.mm, 3-core heat shrinkable type Straight through cable jointing kit, Make Gloster/Densons	Nos.	₹ 33,231.70	1	₹ 33,231.70
55	Supply of 11 kV, 300/ 400 sq.mm, 3-core end terminal heat shrinkable type cable jointing kit, Make Gloster/Densons.	Nos.	₹ 17,546.79	8	₹ 1,40,374.32
56	Erection, testing and commissioning of outdoor type 11kV 70/95/120/240/300/400 sqmm cable end terminal jointing kit. Rates are includes the cost of other materials and labour charges.	Nos.	₹ 3,449.45	8	₹ 27,595.60

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
57	Supply & Erection of GI Stay set ,3X4 inch X 6 inch long complete with size 300X300X6 mm plate with stay wire 7/10 SWG with stay/gay insulator .Rate includes cost of all materials and labour charges.	Nos.	₹ 3,452.32	10	₹ 34,523.20
58	Co-ordination/liasoning and chasing with state utility company for availing of new electrical connection /augmentation of sanctioned load at stations, level crossings ect. Including applying for load, collection of estimates for load, modification of power line crossings, arranging payment from IRCON, depositing payments to state utility company, arranging release of load and other related works. Patymtent to be made to SEB for new connection, load augmentation, modification of power line crossing etc. shall be made by IRCON.	Each site	₹ 8,021.22	4	₹ 32,084.88
59	Supply of 8 SWG GI Wire	kg.	₹ 88.09	600	₹ 52,854.00
60	Wiring of Light point, fan point and 5A plug point in a concealed with a heavy gauge PVC conduit pipe with single core 2x2.5 sq mm multistrand copper wire 1100V grade conforming to IS 694/1990 Make - Finolex/Havells/Anchor/Polycab complete with controlling switch, batten or angular holder/ceiling rose (Make- Anchor Havells Harisons, Cona, Roma) Complete with controlling modular switches of Legrand, Siemens, L&T, Anchor, Cona, Roma make and 16 SWG/ 1 sqmm multistrand single core flexible copper earth wire. In case ceiling /beam/column where cutting is not allowed wiring to be done in open conduit/casing capping by use of drill & roll plug.				
(a)	Light point	Nos.	₹ 512.58	250	₹ 1,28,145.00
(b)	Fan/Ex.Fan point	Nos.	₹ 517.26	110	₹ 56,898.60
(c)	5 Amp. Plug Points	Nos.	₹ 224.35	70	₹ 15,704.50
61	Supplying & fixing of MS sheet metal recessed type board complete with phenolic laminated type sheet cover of suitable size.				
(a)	Size 8"x12"x3"	Nos.	₹ 169.82	60	₹ 10,189.20
(b)	Size 8"x6"x3"	Nos.	₹ 128.54	50	₹ 6,427.00
(c)	Size 6"x4"x3"	Nos.	₹ 91.92	40	₹ 3,676.80
62	Supply & fixing of 9 watt LED Bulb Light Make - Bajaj, Philips, Havells or equivalent.	Nos.	₹ 107.91	20	₹ 2,158.20
63	Supply, fixing, connection, testing and commissioning of Power plug socket 16 A capacity 5 pin combined with switch flush type, fuse & light indicator Make Anchor, HPL, havells, Roma, Cona make complete with earthing wire 16 SWG/1 sqmmmultistand single core flexible copper earth wire.	Nos.	₹ 198.23	50	₹ 9,911.50
64	Supply, fixing, connection ,testing and commissioning of industrial type metal clad plug and socket board 20A sheet metal enclosed with 20A SP MCB 1 no complete with all accessories, Make Havells, HPL, L&T, MDS, Siemens, Standard, BPC. Or similar.	Nos.	₹ 929.03	12	₹ 11,148.36
65	Supply, fixing, connection and testing of 4 Way MCB DB with 6A SP MCB-4Nos and 20A SP MCB- 4Nos. complete with sheet metal enclosure with all accessories etc. (Including cutting of wall and making good the damages).(Make - L&T, MDS, Havells, Legrand, Indo-asian, Siemens, HPL.	Nos.	₹ 1,430.03	16	₹ 22,880.48

20914

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
66	Supply, fixing, connection and testing of 4 Way, 32 A, SP MCB-4 Nos. in Sheet metal enclosure with all accessories etc. (Including cutting of wall and making good the damages). (Make -Havells, Standard, Bentex, HPL, Legrand, Indo-asian, Siemens, MDS.	Nos.	₹ 685.98	12	₹ 8,231.76
67	Supply, fixing, connection & testing of 4 ways TPN MCB DB with 4 pole isolator 63A one no. & 6A, 16A & 32A MCB single pole 12 nos. with sheet metal enclosed type board complete with all accessories etc. As required. Make Standard /Legrand /L&T/havells, HPL, Siemens.	Nos.	₹ 5,073.59	12	₹ 60,883.08
68	Supply installation testing & fixing of batton for led Bar(1x22w) decorative ultra slim polycarbonate LED lighting fixture as per Havells product code LHEXBLP7PN1W022 OR similar) Make: Havells, Syska, Bajaj, Phillips or similar	Nos.	₹ 553.87	80	₹ 44,309.60
69	Fabrication, Supply, of GI Pipe bracket and fixing with clamp nuts & bolts for holding the outdoor type light Fitting.	Nos.	₹ 334.92	25	₹ 8,373.00
70	Supply and fixing of corrugated PVC flexible pipe size 1"/3"/4" dia from existing cable connection main switch for cable loop protection.	Mtr.	₹ 6.78	100	₹ 678.00
71	Provision of standard signage board of different sizes reading in hindi& English in PF Shed at Railway station including provision of FL fitting with lamp and all accessories etc. of required size and fixing with suitable nut & bolts, clamp, washers.	sq.ft.	₹ 182.28	200	₹ 36,456.00
72	Supply, Fixing, connection testing & Commissioning of Oscillating Air Circulating wall mounting bracket fan industrial type fan 3 blade 600 mm sweep making 90 degree oscillate, corrosion proof having impellar front & back guard for operation on 220/240 V AC 50 Hz supply conforming to IS 2997 complete with all accessories with provision of suitable bracket made of MS angle/flat approved by railway authority, including connection, earthing the body complete as required. Make powervent, Bajaj, Khaitan, Crompton Greevs or approved ISI Marked with fixing up at suitable height with foundation bolt of size 300 mm long x 12 mm.	Nos.	₹ 5,466.97	16	₹ 87,471.52
73	Supply and fixing of AC ceiling fan 1400 mm sweep (Make - Bajaj, Polar, Havells, Orient, Usha, Kahitan or similar ISI Mark)	Nos.	₹ 2,139.91	50	₹ 1,06,995.65
74	Supply and fixing of stepped type, electronic fan regulator with suitable rating for the C/ Fan on the existing phenolic laminated sheet cover plate/ modular plate of switch box, including connections, testing and commissioning as required. Make Anchor/ Havells/Cona/ Roma or similar ISI marked.	Nos.	₹ 380.91	50	₹ 19,045.58
75	Supply, Fixing, testing of 300 mm sweep, 900 RPM, 230V AC heavy duty exhaust fan (Plastic/Metal body) completewith all accessories including cutting of wall and making good the damages. Make: Usha, Khaitan, polar, Orient, Bajaj, or similar ISI Marked.	Nos.	₹ 2,426.40	4	₹ 9,705.60

20/09/21

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
76	Wiring of sub main in concealed heavy guage PVC conduit pipe complete with PVC insulated 2x10 sq mm FRLS copper wire unsheathed 1100 V grade conforming to IS 694/1990 Make Finolex/Havells/Polycab/Anchor from main board to sub distribution board for power plug circuits with ECC 16 SWG/1 sq mm copper flexible wire. In case ceiling /beam/column where cutting is not allowed wiring to be done in open conduit/casing capping by use of drill & roll plug.	Mtr.	₹ 170.50	150	₹ 25,575.00
77	Supply, Fixing, connection of 100A ICTPN as per Havells cat no SRTE 4100. (The fixing of ICTPN should be done on wall with clamp made of M.S flat (35X6) mm and making good the damages. Make L&T, havells, GE, HPL or similar.	Nos.	₹ 5,005.09	2	₹ 10,010.18
78	Supply, Fixing, Testing and Commissioning of 4 pole 200A, 415V, AC changeover switch off-load type side handle operated, including all fixing materials etc. Make:Havells/Standard/L&T/Schnieder or Similar ISI brand.	Nos.	₹ 13,176.48	2	₹ 26,352.96
79	Supply, Fixing, Testing and Commissioning of 4 pole 320A, 415V, AC changeover switch off-load type side handle operated, including all fixing materials etc. Make:Havells/Standard/L&T/Schnieder or Similar ISI brand.	Nos.	₹ 15,970.10	2	₹ 31,940.21
80	Supply, Fixing, Testing and Commissioning of double pole 32A, 415V, AC changeover switch off-load type side handle operated, including all fixingmaterials etc. Make: Havells/Standard/L&T/Schnieder or Similar ISI brand.	Nos.	₹ 2,571.35	2	₹ 5,142.71
81	Supply, fixing, connection, testing & commissioning of Automatic changeover Control panel 60 Amp.10 KVA capacity AT for Colour Light Signaling from three supply sources AT-1, AT-2 & Local supply with manual bypassing switching facility, indicating lamps and all other accessories as per RDSO approved drawing. It must be having adequate size of cable terminaljointing facility of 2 core 70 sqmm XLPE armoured aluminium cable, 1100V grade with proper protection from short circuit with other supply sources on its incomer connector panel make SET ON SITE, JAPS, SUNTRON, MATRIX, ELECTRO, 3Q, CONCORD, Eastland, SSTL, ALIND or similar RDSO approved.	Nos.	₹ 81,749.84	6	₹ 4,90,499.04
82	Supply, installation, testing & commissioning of floor mounted cubical type 'G' Frame MCCB's Distribution panel Board conforms to IS 8623, IEC 439 complete with 400A copper busbar consisting the following:(a)'G' frame panel Board of 400 A rating, 'CN'frame MCCB having 8 nos. of outgoing ways.(Havell's cat.No.LPBG040008)(b)incoming:(i)400A. (WSN)-MCCB- 1no(Havell's new cat no.LCNF0400)(ii)Cable alley :2x8way(Havell's cat no.LPBZCBLA 08)(iii) Digital voltmeter (0-500v) with selector switch-1 no.(Havell's cat.no LBPZMTRD00)(iv) Digital ammeter (0-400A) with selector switch -1 no.(Havell's cat.no LBPZMTRD00)(v) L.E.D. indication lamp (R.Y.B.)-3 nos. (c) outgoing:(i)100A 4 pole (WSN) MCCB-2nos. (Havell's new cat no. LANF0100)(ii)63A 4 pole (WSN) MCCB- 6nos.(Havell's new cat no.LANF0063) (MCCB Make:Havell's/EE/L&T or similar)	Nos.	₹ 1,68,631.75	1	₹ 1,68,631.75

29/04

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
83	Supply, installation, testing and commissioning of cubical type, wall mounted, dust & vermin proof, L.T. switch board of different capacities (A) LT switch board 125 Amp comprising of the items indicated as under i) incoming MCCB 125A, 4 pole, 35kA, fixed type (Ics=100%Icu) - 1 No ii) Outgoing MCCB 63A, 25kA, fixed type (Ics=100%Icu) - 4 Nos iii) Outgoing MCB 40A, 4 pole, 10kA - 4 Nos iv) Outgoing MCB 32A, double pole, 10kA-4 Nos. v) Outgoing MCB 32A, Single pole, 10kA-4 Nos vi)Sleeved/Epoxy coated copper bus-bar 250 Ain bus bar Chamber vii) CT's Indication lights Make: L&T / Siemens /Havells/ Legrand/Crompton Greaves or similar.	Nos.	₹ 1,07,307.20	1	₹ 1,07,307.20
84	Provision of 2 KVA OFF LINE UPS Make Microtek, ACPL, APC, Power-One	Nos.	₹ 32,527.33	2	₹ 65,054.66
85	Wiring of sub main in concealed heavy guage PVC conduit pipe complete with PVC insulated 2x6 sq mm FRLS copper wire unsheathed 1100 V grade conforming to IS 694/1990 Make Finolex/Havells/Polycab/Anchor from main board to sub distribution board for power plug circuits with ECC 16 SWG/1 sq mm copper flexible wire. In case ceiling /beam/column where cutting is not allowed wiring to be done in open conduit/casing capping by use of drill &roll plug.	Mtr.	₹ 140.30	400	₹ 56,120.00
86	Wiring of sub main in concealed heavy guage PVC conduit pipe complete with PVC insulated 2x4 sq mm FRLS copper wire unsheathed 1100 V grade conforming to IS 694/1990 Make Finolex/Havells/Polycab/Anchor from main board to sub distribution board for light, fan & power plug circuits with ECC 16 SWG/1 sq mm copper flexible wire. In case ceiling /beam/column where cutting is not allowed wiring to be done in open conduit/casing capping by use of drill &roll plug.	Mtr.	₹ 114.66	400	₹ 45,864.00
87	Wiring of sub main in concealed heavy guage PVC conduit pipe complete with PVC insulated 2x2.5 sq mm FRLS copper wire unsheathed 1100 V grade conforming to IS 694/1990 Make Finolex/Havells/Polycab/Anchor from main board to sub distribution board for light, fan & power plug circuits with ECC 16 SWG/1 sq mm copper flexible wire. In case ceiling /beam/column where cutting is not allowed wiring to be done in open conduit/casing capping by use of drill &roll plug.	Mtr.	₹ 56.25	500	₹ 28,125.00
88	Supply and delivery at site of submersible Pump set complete with coupled motor of appropriate size and suitable for operated on AC supply 3 phase 400V +-5 to 10% 50 Cycle including wiring and connection of motor pump set as per CEE'S specification make KSB of capacity 15.000 GPHX150 ft head.	Set	₹ 1,01,915.00	2	₹ 2,03,830.00
89	Installation , testing and commissioning of above pump set	Set	₹ 24,000.00	2	₹ 48,000.00

29/04/24

S.N.	Details of works	Unit	Rate	Quantity	Amount
A	B	C	D	E	F=D*E
90	Design, fabrication and supply of control Panel complete with suitable capacity starter, suitable bus bar, suitable ICTPN main switch for incoming, Phase indicator lamps, Voltmeter, Amp meter both with selector switches SPR, Pump guard etc, enclosed in heavy gauge sheet metal dust & vermin proof duty painted with 2 coats of enamel gray paint as per CEE'S specification suitable for operation of 15000GPH capacity pump – motor.	Set	₹ 38,500.00	2	₹ 77,000.00
91	Installation, testing and commissioning of above panel set.	Set	₹ 24,000.00	2	₹ 48,000.00
92	Supply, installation, testing and commissioning of Block steel Pipe 'B' Class of 3inch dia. Make TATA/JINDAL.	Ft.	₹ 440.00	120	₹ 52,800.00
93	Supply and delivery of Flexible make Submersible copper cable of 3 core 04 Sq. mm. Including inter connection with pump – motor & panel.	Mtr.	₹ 148.50	60	₹ 8,910.00
94	Supply and installation of sluice valve 3 Inch dia.	Nos.	₹ 4,400.00	2	₹ 8,800.00
95	Supply and installation of Bend 3 Inch. Dia.	Nos.	₹ 3,960.00	2	₹ 7,920.00
96	Supply and installation of clamp 3 Inch. Dia.	Set	₹ 1,980.00	2	₹ 3,960.00
97	Supply and installation of Furniture set for sub station and control room.	Set	₹ 89,586.20	1	₹ 89,586.20
98	Deployment of workers for any unforeseen requirement of incidental work on site.				
(a)	Unskilled staff-2 Nos.	Days	₹ 554.40	30	₹ 16,632.00
(b)	Skilled staff-1 Nos.	Days	₹ 647.90	15	₹ 9,718.50
Total Estimated Cost excl. GST =					₹ 1,90,11,893.09
Add GST @ 18% =					₹ 34,22,140.76
Total Estimated Cost incl. GST @ 18% =					₹ 2,24,34,033.84
Deduction as per Quoted Rate @ 2% below =					₹ 4,48,680.68
Total Quoted Amount incl. GST @ 18% =					₹ 2,19,85,353.16

09/04/23

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

CA No IRCON/2067/KG/ ELECT(G)/6/2023/1/CA

Date _____

CA No IRCON/2067/KG/ ELECT(G)/6/2023/1/CA

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 M/s M.K. Enterprises, 195, New Mahal, Mughalsarai, Distt. - Chandauli, U.P. - 232101 (hereinafter called “the Contractor”) of the other part.

WHEREAS the Employer is desirous that certain works should be executed by the Contractor viz. LOA No IRCON/2066/RTR/ ELECT(G)/1/2023/02/LOA/___ dated 09.04.2024 (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 Employer in
the presence of:

Witness:

Witness:

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

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

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

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



PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To,
IRCON International Limited,
Acting through Chief General Manager (Electrical),
Sone Bhawan, 6th Floor,
Daroga Prasad Rai Path,
Patna, Bihar-800001

WHEREAS M/s M.K. Enterprises, 195, New Mahal, Mughalsarai, Distt. - Chandauli, U.P. - 232101 (hereinafter called “the Contractor”) has undertaken, in pursuance of Contract No. IRCON/2067/KG/ ELECT(G)/6/2023/1/CA dated _____ to execute the work of “Design, Supply, Installation, Testing & Commissioning of Power Supply HT/LT Plants & augmentation of general power supply system from Rly. Power House for Station Buildings, Hospitals, Staff Quarters and Railway Service Buildings in connection with Kiul-Gaya Doubling Project in Danapur Division of East Central Railways” (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 ₹ 11,00,00.00 (Rupees Eleven Lacs Only), 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 ₹ 11,00,00.00 (Rupees Eleven Lacs Only), 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 05.03.2025 (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.

29

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

A handwritten signature in blue ink, consisting of a stylized 'M' followed by a checkmark-like flourish.