



इरकॉन इंटरनेशनल लिमिटेड

(नवरत्न कंपनी)

(भारत सरकार का उपक्रम)

छत्तीसगढ़ रेल परियोजना

IRCON INTERNATIONAL LIMITED

(Navratna Company)

(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

CHHATTISGARH RAIL PROJECT

No.: IRCON/2059/CGRP/e-Tender/CSPGCL Siding/ Electrical-01/LOA/17301 Dated 04.02.2025

To,

M/s KAMY INDIA

Block No. 703 & 704,

7th Floor, Park Avenue,

Opp. OCW Office,

Mangalwari, Sadar,

Nagpur - 440001

Email ID: kamyindianagpur@gmail.com

(Letter of Acceptance)

Sub.: "DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING OF 25 KV, 50 HZ, SINGLE PHASE, OHE TRACTION SYSTEM, EXTERNAL ELECTRIFICATION & SCADA WORKS FOR THE ESTABLISHMENT OF PRIVATE RAILWAY SIDING OF CSPGCL TAKING OFF FROM CERL LINE FOR TRANSPORTATION OF COAL FROM GP-III COAL BLOCK BY DEVELOPING A CROSSING STATION NEAR MILUPARA, BETWEEN GHARGHODA- GARE PELMA SECTION (CH. KM 22.456 TO KM 24.528 FROM GHARGHODA/CSB) AT GARE PELMA-III (5 MTY) MINES, RAIGARH AREA OF CSPGCL." – Letter of Acceptance.

Ref.: 1) e-NIT No. IRCON/2059/CGRP/e-Tender/CSPGCL Siding/ Electrical-01 dated 29.08.2024.
2) Technical Bid opened on 20.09.2024 & Financial bid opened on 13.01.2025
3) Your Bid Validity Extension Letter No. Nil dated 11.12.2024.
4) Your Bid Validity Extension Letter No. Nil dated 15.01.2025.

1. The Competent Authority has accepted your offer for the work of "DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING OF 25 KV, 50 HZ, SINGLE PHASE, OHE TRACTION SYSTEM, EXTERNAL ELECTRIFICATION & SCADA WORKS FOR THE ESTABLISHMENT OF PRIVATE RAILWAY SIDING OF CSPGCL TAKING OFF FROM CERL LINE FOR TRANSPORTATION OF COAL FROM GP-III COAL BLOCK BY DEVELOPING A CROSSING STATION NEAR MILUPARA, BETWEEN GHARGHODA- GARE PELMA SECTION (CH. KM 22.456 TO KM 24.528 FROM GHARGHODA/CSB) AT GARE PELMA-III (5 MTY) MINES, RAIGARH AREA OF CSPGCL" at your offered cost of **Rs. 6,41,89,807.59/- (Rupees Six Crore Forty One Lakh Eighty Nine Thousand Eight Hundred Seven and Fifty Nine Paise only) including GST@18%**. The detailed bill of quantity (BOQ) is enclosed herewith as **Annexure-I**.
2. The completion period of work is **12 (Twelve) months** from the date of issue of letter of acceptance including monsoon period **i.e. up to 03.02.2026** as per Clause No. 45 of Special Conditions of Contract. This LOA shall be treated as notice of commencement of work.
3. It is requested to submit a Performance Security for an amount of Rs 32,09,491/- (Rupees Thirty Two Lacs Nine Thousand Four Hundred Ninety one only) @ 5% (Five percent) of the

मुख्य महाप्रबंधक (विद्युत)
इरकॉन इंटरनेशनल लिमि., बिलासपुर
Chief General Manager (Elect.)
IRCON International Limited, Bilaspur

प्रथम तल, द एआरके बिल्डिंग, लिंक रोड, जुडिओ के सामने,
सी. एम. डी. चौक, बिलासपुर (छ. ग.) 495001
1st Floor, The ARK Building, Link Road, Opposite Zudio,
Near CMD Chowk, Bilaspur (C.G.) 495001 Ph : 07752 - 443719
Email : cerl.2059@ircon.org, cewrl.2060@ircon.org

रजि. कार्यालय: बिलासपुर, साकेत रोड, दिल्ली-110017, भारत
Regd. Office : C-4, District Centre, Saket, New Delhi-110017 INDIA
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CIN-L45203DL1976GOI008171



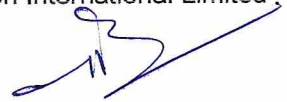
contract value in the prescribe form as per clause no 31.1/8.1 of SCC/GCC in favour of Ircon International Limited, within 21 days of issue of this letter.

4. Retention money will be recovered from on account/final bills as per clause no. 31.2/8.2 of SCC/GCC.
5. You will be fully responsible for all manpower and machines deployed by you. IRCON will not be responsible for any violation or mishap on any ground. Further you will strictly comply with all relevant Labour laws (vis PF,ESI, etc.), Bylaws, Labour licence, IR Shramik Kalyan, rules, regulations etc., as applicable as per laws of land.
6. You are advised to mobilize the resources to commence the work immediately.
7. You have to strictly comply & pay GST on or before due date for timely availing of input tax credit by IRCON.
8. The payments are subject to deduction of necessary tax as applicable by laws and shall be made by NEFT/RTGS.
9. This letter will constitute a legal and binding contract between Ircon International limited and M/s Kamy India till such time the contract Agreement is signed. You will enter into and execute the contract agreement within 28 days from the date of issue of this letter as per clause no. 32/12.5 of SCC/GCC on the stamp paper of the the requisite value as per the prevailing laws to be arranged at your cost.
10. All other terms and conditions shall be as per Tender documents, which shall form an integral part of this contract and shall be binding on you.
11. This letter is being issued to you in duplicate as per clause No. 23 of Instructions to Tenderer of Tender document, one copy of which may please be returned within 7 (seven) days from the date of issue of LOA. Duplicate copy shall be duly stamped and signed and returned as a token of your unconditional acceptance
12. You are requested to contact CGM/Electrical/Project Head, Bilaspur, Chhattisgarh for further instructions.

Thanking you

Encl: Annexure-I (BOQ)

Yours faithfully
For and on behalf of
Ircon International Limited,


(N.S. Bharel)
CGM/Electrical/PH/BSP

Copy to:

1. ED/Civil/CSPGCL for kind information please.
2. Executive Director/Projects for kind information please.
3. CGM/Civil/CGRP for kind information please.
4. GM/Fin./Bilaspur for information & n.a. please.
5. GM/Civil/Raigarh, JGM/Civil/P&C for information please.
6. JGM/Elect./Raigarh and DGM/Elect/BSP for information & n.a.

मुख्य महाप्रबंधक (विद्युत)
इरकॉन इंटरनेशनल लिमि., बिलासपुर
Chief General Manager (Elect.)
Ircon International Ltd., Bilaspur

ANNEXURE-I

Name of Work: DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING OF 25 KV, 50 HZ, SINGLE PHASE, OHE TRACTION SYSTEM, EXTERNAL ELECTRIFICATION & SCADA WORKS FOR THE ESTABLISHMENT OF PRIVATE RAILWAY SIDING OF CSPGCL TAKING OFF FROM CERL LINE FOR TRANSPORTATION OF COAL FROM GP-III COAL BLOCK BY DEVELOPING A CROSSING STATION NEAR MILUPARA, BETWEEN GHARGHODA- GARE PELMA SECTION (CH. KM 22.456 TO KM 24.528 FROM GHARGHODA/CSB) AT GARE PELMA-III (5 MTY) MINES, RAIGARH AREA OF CSPGCL

SUMMARY SHEET FOR BILL OF QUANTITIES					
BOQ FOR DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING OF 25 KV, 50 HZ, SINGLE PHASE, OHE TRACTION SYSTEM, EXTERNAL ELECTRIFICATION & SCADA WORKS FOR THE ESTABLISHMENT OF PRIVATE RAILWAY SIDING OF CSPGCL TAKING OFF FROM CERL LINE FOR TRANSPORTATION OF COAL FROM GP-III COAL BLOCK BY DEVELOPING A CROSSING STATION NEAR MILUPARA, BETWEEN GHARGHODA- GARE PELMA SECTION (CH. KM 22.456 TO KM 24.528 FROM GHARGHODA/CSB) AT GARE PELMA-III (5 MTY) MINES, RAIGARH AREA OF CSPGCL					
S.N.	Schedule	Description of Work	Estimated Cost	Rate Quoted	Total Quoted Amount in Rupees (Incl. GST)
1	OHE-1 to OHE-60, GS-1 to GS-29 & SCADA-1 to SCADA-3	OHE,GS & SCADA Work	7,01,91,151	8.55 % Below	6,41,89,807.59
	Total Quoted Amount in words (Inclusive of GST@18%)		Rupees Six Crore Forty One Lakh Eighty Nine Thousand Eight Hundred Seven and Fifty Nine Paise only		

(N.S.Bharel)
CGM/Electrical/PH/BSP

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Chief General Manager (Elect.)
Iroon International Ltd., Bilaspur

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
(A)		OHE General							
1	OHE-1	Preparation of drawings as well of site survey and submission of desired drawings for Overhead Equipment, Switching Stations, Sectioning diagram, Power supply diagram, Schematic diagram of Switching Stations, Traction working rule diagram and Instructions etc. required for commissioning including preparation and submission of EIG documents.							
2	OHE-1 (a)	Submission of all Initial drawings/ Good for construction drawings for OHE	TKM	4.25	1,231	18,462	5,232	78,464	83,696
3	OHE-1 (b)	Submission of all As Erected drawings for OHE	TKM	4.25	528	8,092	2,244	34,391	36,635
4	OHE-1 (c)	Submission of all Initial drawings/ Good for construction switching posts drawings	Job	1	0	22,984	0	22,984	22,984
5	OHE-1 (d)	Submission of all As Erected switching post drawings	Job	1	0	9,851	0	9,851	9,851
6	OHE-1 (e)	Provision of OHE section diagram board at stations/Cabin	No	2	0	8,032	0	16,064	16,064
7	OHE-1 (f)	Preparation and submission of Station work rule (Appendix G) complete with SWR drawing	No	2	0	10,395	0	20,790	20,790
8	OHE-2	Supply and Erection of Span wire (130 sq.mm) including mounting arrangements with 9-Ton insulators..	Mtr	500	786	74	3,93,000	37,000	4,30,000

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
9	OHE-3	Supply and Erection of materials for Termination of single conductor of overhead equipment or a terminating wire with 9-Ton insulators:	Each	5	10,497	1,094	52,485	5,470	57,955
10	OHE-4	Supply and Erection of materials for Termination of all aluminum 25 KV feeder conductor single (spider) including feeder wire with 9-Ton insulators:	Mtr	500	522	239	2,61,000	1,19,500	3,80,500
11	OHE-5	Supply and Erection of material for Termination of copper cross feeder with gantries including cross feeder wire with 9-Ton insulators:	Set	3	44,467	1,281	1,33,401	3,843	1,37,244
12	OHE-6	Supply and erection of terminal boards in control cubicles for SP/SSP	No.	1	10,699	547	10,699	547	11,246
13	OHE-7	Supply and Erection of iron clad 240 V AC or 110V D.C. board with fuse box in control cubicles,	Set	1	7,092	250	7,092	250	7,342
14	OHE-8	Supply and Erection of Maintenance Free Batteries 110 V, 40 AH with Battery Chargers:	Set	1	2,54,522	10,273	2,54,522	10,273	2,64,795

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
15	OHE-9 (a)	Supply, Erection, Oil Filtration, Testing and Commissioning of 25 KV/240 Volt, 10 KVA, LT supply transformer with 25 KV D. O. fuse switch, anticlimbing device, insulator, copper jumper and earth electrode etc.	Set	2	1,93,304	14,088	3,86,608	28,176	4,14,784
16	OHE-9 (b)	Supply, Erection, Oil Filtration, Testing and Commissioning of 25 KV/240 Volt, 25 KVA, LT supply transformer with 25 KV D. O. fuse switch, anticlimbing device, insulator, copper jumper and earth electrode etc.	Set	0	2,51,406	14,088	0	0	0
17	OHE-10	Modification to existing OHE i.e. Transfer of equipment from one mast or support to another, provision of additional bracket assembly/ assemblies on a mast or support, re-adjustment of a head-span, dismantling of Overhead Equipment, dismantling of feeder	Mtr	300	0	46	0	13,800	13,800
18	OHE-11	Manning of switching station i.e. SP/SSP/TSS	month X location	12	45,167	0	5,42,004	0	5,42,004
19	OHE-12	Electrification of switching station building as per specification	Each	1	0	43,964	0	43,964	43,964

Signature
By Man/Elect.

Signature
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इस्कॉन इंटरनेशनल लिमि., बिलासपुर
Chief General Manager (Elect.)
Ircon International Ltd., Bilaspur

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
20	OHE-13 (a)	Supply & Erection of Earthing arrangement at switching station i. e. earth electrodes, earth bus, 50x6 mm MS flat, 8 SWG GI wire etc. to achieve IR value for energisation	job	1	18,628	10,050	18,628	10,050	28,678
21	OHE-13 (b)	Excavation of Earth to the specified depth below the ground level and to bury 13 meters long rail (or suitable length mast) along with supply of rails/ masts & all accessories	each	1	39,607	2,492	39,607	2,492	42,099
22	OHE-14	Loading/ Unloading and transportation of all type of steel structures, portals, TTC, copper/ alluminium conductor and SPS etc. other than contractor material.	MT per KM	1000	0	77	0	77,000	77,000
		Sub Total of (A)					21,06,522	5,34,909	26,41,431
(B)		Building Works							
23	OHE-15	Construction of Switching Station building, RCC work, plastering, brick masonry, retaining wall, filling, compacting and leveling work etc. and supply and erection of name board of switching station.	Each	1	5,54,204	0	5,54,204	0	5,54,204

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
24	OHE-16	Supply and spreading of gravel/ ballast in the switch yard.	Cum	15	1,156	9	17,340	135	17,475
25	OHE-17 (a)	Earth work involved in filling of earth in any excavation or low lying area (including compaction)	Cum	100	581	0	58,100	0	58,100
26	OHE-17 (b)	Boulder pitching on the slopes at locations of OHE structures/ switching posts	Cum	100	0	2573	0	2,57,300	2,57,300
		Sub Total of (B)					6,29,644	2,57,435	8,87,079
(C)		Other OHE Items							
27	OHE-18	Supply and Erection of material for termination of double Overhead Equipment conductor with insulators:	Each	30	15,192	1,505	4,55,760	45,150	5,00,910
28	OHE-19	Supply and erection of section insulator assembly with insulators and associated fittings & fasteners for OHE with Bar Insulator	Each	12	97,536	7,280	11,70,432	87,360	12,57,792
29	OHE-20	Supply and Erection of PTFE type short neutral section assembly:.	Each	0	11,51,042	7,466	0	0	0
30	OHE-21	Supply and Erection of 25 KV, S.P Isolators 1600 Amps with insulator & with/ without earth contact assembly:	Each	8	1,00,570	7,531	8,04,560	60,248	8,64,808

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[Signature]
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इरकों इंटरनेशनल लिमि., बिलासपुर
Chief General Manager (Elect.)
Ircon International Ltd., Bilaspur

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
31	OHE-22	Supply and Erection of 25 KV double pole isolator with insulator & with/without earth contact assembly:	Each	4	1,56,345	8,247	6,25,380	32,988	6,58,368
32	OHE-23	Supply and Erection of suitable length of contact wire in the span under any overline structure; complete with supply and erection of end fittings, jumpers, PG clamps etc (however payment of contact wire shall be made under different BOQ item meant for it)	Each	3	2,814	3,882	8,442	11,646	20,088
33	OHE-24	Supply and erection of large copper jumper (160 sqmm) between aluminium bus/ OHE and cross feeder with all associated fittings and materials required for same.	Each	5	11,269	550	56,345	2,750	59,095
34	OHE-25	Supply and Erection of all types of connectors for aluminium / copper bus bar required for commissioning of switching stations with fasteners.	Each	20	6,171	96	1,23,420	1,920	1,25,340
35	OHE-26	Supply and Erection of safety items i.e. Fire extinguishers, set of fire bucket with stand and first aid box, key box with suitable key chain, locks and other misc items required for commissioning of Switching Stations.	Set	1	16,397	3,083	16,397	3,083	19,480

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Chief General Manager (Elect.)
Ircon International Ltd.

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
36	OHE-27	Supply and Erection of 25 KV AC OHE danger board / danger board for height gauge, public / staff caution board, Shock treatment charts at station buildings & SP/SSP etc. required for commissioning of OHE/SWSSs.	Each	50	0	1,631	0	81,550	81,550
37	OHE-28	Supply and erection of 25 KV 1600 Amps Vacuum Interrupter	Each	1	3,81,075	9,569	3,81,075	9,569	3,90,644
38	OHE-29	Supply erection testing & commissioning of 25 KV 2000 Amps single pole vacuum Circuit Breaker with interlocking	Each	1	3,81,398	5,253	3,81,398	5,253	3,86,651
39	OHE-30	Supply, Erection, testing & commissioning of Control and Relay Panel for One CB as per RDSO spec. No. TI/PSI/PROTCT/6071 (for one CB)	Each	1	21,86,593	79,510	21,86,593	79,510	22,66,103
40	OHE-31 (a)	Supply and erection of 25 KV Potential Transformer Type-I or Type-II	Each	3	84,356	832	2,53,068	2,496	2,55,564
41	OHE-31 (b)	Supply & erection of 25 KV Current Transformer (1500-750/5A)	Each	1	69,258	692	69,258	692	69,950
42	OHE-32	Supply and erection of 42 KV Lightning Arrestor complete with its disconnector assembly	Each	3	56,555	2,303	1,69,665	6,909	1,76,574
43	OHE-33	Supply and installation of cables for all SWS	Mtr	250	228	20	57,000	5,000	62,000

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dy Man/Elect.

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
44	OHE-34	Supply and erection of Aluminium Jumper with Fastners and fittings	Each	4	2,551	306	10,204	1,224	11,428
45	OHE-35	Supply and erection of Aluminium Bus Bar 50 mm x 39 mm	Mtr.	50	461	53	23,050	2,650	25,700
46	OHE-36	Supply and erection of anti-theft transformer 240 V/2.2. KV, 5 KVA with DO fuse switch. Excavation o cable trench, laying of cables, earthing,jumpering, DG set including dismantling of above equipments	each	0	82,318	64,989	0	0	0
		Sub Total of (C)					67,92,047	4,39,998	72,32,045
(D)		Insulators							
47	OHE-37	Supply of stay arm Porcelain insulator (CD-1050 mm)	Each	140	3,422	0	4,79,080	0	4,79,080
48	OHE-38	Supply of bracket Porcelain insulator (CD-1050 mm)	Each	140	3,380	0	4,73,200	0	4,73,200
49	OHE-39	Supply & Erection of 25 kV Support insulator with Fittings and Fasteners	Each	20	3,694	150	73,880	3,000	76,880
		Sub Total of (D)					10,26,160	3,000	10,29,160
(E)		OHE Non Ferrous							
50	OHE-40	Supply and Erection of anti-creep wire using catenary wire (with supply of insulators, anticreep wire shall be paid separately).	Each	5	7,229	4,229	36,145	21,145	57,290

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By Man/Elect.

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
51	OHE-41	Supply and Erection of Over Head Equipment i.e. contact wire, catenary wire (excluding cost of supply of contact, catenary & Jumper wires), jumper wires (C,G,F & ATJ jumper wires), dropper wire, contact / catenary clips, fasteners and all other material required at turn out/ overlaps / diamond crossing. Final checking of OHE and adjustment, inspection to be done by Tower Wagon for commissioning of Conventional OHE.	TKM	4.25	0	67,010	0	2,84,793	2,84,793
52	OHE-42	Supply of contact wire (HDGCC 107 Sq.mm) and dropper wire	MT	6	10,19,981	0	61,19,886	0	61,19,886
53	OHE-43	Supply of cadmium copper catenary wire (65 Sq. mm) and all jumper wires	MT	4	10,19,377	0	40,77,508	0	40,77,508
54	OHE-44	Supply and erection of Copper Strips for equipment earthing	Mtr	10	1,541	185	15,410	1,850	17,260
55	OHE-45	Erection of all types of Copper Jumper Wires which are not covered in BOQ Item No. 41 (Supply of Jumper Wires covered in separate BOQ Item No. 43)	Each	30	0	550	0	16,500	16,500
		Sub Total of (E)					1,02,48,949	3,24,288	1,05,73,237

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Dy. Man. / Elect.

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
(F)		Concreting work							
56	OHE-46	Supply and erection of Concrete for Foundation and Plinth, in all types of soil/soft rock	CUM	390	4,811	1,888	18,76,290	7,36,320	26,12,610
57	OHE-47	Supply and erection of Concrete for Foundation and Plinth in extra hard rock requiring use of rock breaker including breaking of existing foundation and recast	CUM	60	5,236	5,167	3,14,160	3,10,020	6,24,180
58	OHE-48	Supply and erection of Concrete for Foundation .Plinth , Cable Trench & its Cover for Reinforced Concrete.	CUM	30	0	8,692	0	2,60,760	2,60,760
		Sub Total of (F)					21,90,450	13,07,100	34,97,550
(G)		OHE Ferrous Items							
59	OHE-49	Supply and Erection of a guy rod assembly:	Each	36	10,950	810	3,94,200	29,160	4,23,360
60	OHE-50	Supply and Erection of protective screen on FOBs/ ROBs:	Each	6	32,172	0	1,93,032	0	1,93,032
61	OHE-51	Supply and Erection of bracket assembly without insulators as per OHE plan:	Each	140	20,169	1,379	28,23,660	1,93,060	30,16,720
62	OHE-52	Supply and Erection of regulating equipment (modify 3 pulley type) with counter weight assembly for conventional OHE	Each	17	96,534	3,287	16,41,078	55,879	16,96,957

Shanti
By Man Elect.

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
63	OHE-53 (a)	Supply and erection of a structure bond/ Longitudinal bond/ Transverse and Special bond	TKM	4.25	25,447	9,218	1,08,150	39,177	1,47,326
64	OHE-53 (b)	Supply and erection of Single earth electrode 3 mtr with connection to nearest traction rail/structure	Each	5	2,366	1,002	11,830	5,010	16,840
65	OHE-54	Supply and erection of all types of galvanized steel structures, small parts steel etc.	MT	58	1,25,297	7,792	72,67,226	4,51,936	77,19,162
66	OHE-55	Supply and erection of fencing panels, Uprights, Gate and anti climbing device for SWS	Mtr	50	3,689	124	1,84,450	6,200	1,90,650
67	OHE-56	Supply and erection of M-27 x 500 mm Hilty AM8.8 rod and core cutting of 32 mm dia into 400 mm depth and grouting with Hilty RE-500	Each	2	0	15,303	0	30,606	30,606
68	OHE-57	Supply and erection of M-16 x 300mm Hilty V anchor and core cutting of 20 mm dia into 200mm depth and grouting with Hilty RE-500	Each	2	0	7,072	0	14,144	14,144
69	OHE-58	Breaking and removal of concrete from already casted foundation with hand held rock breaker.	Cum	10	0	7,936	0	79,360	79,360
		Sub Total of (G)					1,26,23,626	9,04,532	1,35,28,157
(H)		OHE Misc modification/dismantling Items							
70	OHE-59	OHE Miscellaneous Modification/dismantling of existing OHE as per individual rates mentioned below (Item 59(a) to 59(r))	LS				21,186	1,48,305	1,69,491

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
71	OHE-59 (a)	Slewing and reslewing of OHE	span						
72	OHE-59 (b)	Splicing and extension of OHE	No.						
73	OHE-59 (c)	Adjustment of existing OHE & TW checking	span						
74	OHE-59(d)	Dismantling of OHE	km						
75	OHE-59(e)	Dismantling of mast/ structure upright (by cutting)	Nos.						
76	OHE-59 (f)	Dismantling of cantilever	Nos.						
77	OHE-59 (g)	Dismantling of feeder / return conductor	mtr						
78	OHE-59 (h)	Dismantling of section insulator	Nos.						
79	OHE-59 (i)	Dismantling of SP/DP isolator	Nos.						
80	OHE-59 (j)	Dismantling of portal boom pieces	Nos.						
81	OHE-59 (k)	Dismantling of TTC boom	Nos.						
82	OHE-59 (l)	Dismantling of Guy Rod	Nos.						
83	OHE-59 (m)	Dismantling of Anti-creep	set						
84	OHE-59 (n)	Dismantling of Regulating Equipment with counter weight assembly	Nos.						
85	OHE-59 (o)	Dismantling of post insulator	Nos.						

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
86	OHE-59 (p)	Dismantling of AT	Nos.						
87	OHE-59 (q)	Dismantling of caution board	Nos.						
88	OHE-59 (r)	Dismantling of SPS	MT						
89	OHE-60	Execution(Erection/dismantling) under power block @100% extra of erection/dismantling rate	LS				0	2,54,237	2,54,237
		Sub Total of (H)					21,186	4,02,542	4,23,728
(I)	(I)	External Electrification Works							
90	GS-1	Supply, erection, testing and commissioning of 70-75 W LED street light fitting with luminaries, 220-240V AC 50Hz, CRI>70, IP-65, power factor >0.95 cool white, integral driver, lumen output 3500lm, confirming to IEC 60598 and IS 10322 and railway specification. Make Crompton Greaves, Phillips, Halonix, Havells etc.	Nos.	20	11,866	374	2,37,320	7,480	2,44,800
91	GS-2	Street Light LED/Flood light 240 W	Nos.	10	28,388	334	2,83,880	3,340	2,87,220
92	GS-3	Supply of bus-bar boxes with copper bars of 250A, 415V size of box 300x300x170 mm with all accessories.....	Nos.	20	4,496	24	89,920	480	90,400

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
93	GS-4	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) - 04 Nos. iii) Outgoing MCB 40A, 4 pole, 10 kA - 04 Nos. iv) Outgoing MCB 32A, double pole, 10kA - 06Nos. v) Sleeved/Epoxy coated copper bus-bas 250A in bus bar chamber vi) CT's indication lights.	Nos.	1	59,477	10,287	59,477	10,287	69,764
94	GS-5	Supply and erection of SP 06-32A MCB.	Nos.	30	108	11	3,240	330	3,570
95	GS-6	Supply, Installation, testing and commissioning of cubical type mast mounted, dust & vermin proof, LT control switch board of 14 SWG CRCA sheet comprising conforming to IS:8623 (latest version), complete with stud type incoming and outgoing terminals suitable for 70 sq mm cable & hinged door & panel lock etc. a) with TPN MCCB 63A, 35KA, Fixed type (Ics=100% Icu) - 1 nob) Copper busbars 200A (for 10 KVA AT)	Nos.	5	10,808	2,947	54,040	14,735	68,775
96	GS-7	Supply and erection of 32 mm dia GI Pipe - class "B" ISI marked with accessories including bends etc.	Mtr	30	183	34	5,490	1,020	6,510

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
		for support of cable with erected pole/recessing in wall/floor/ passing earth strip or passing cable as required:							
97	GS-8	Supply and erection of 65 mm dia GI Pipe - class "B" ISI marked with accessories including bends etc. for support of cable with erected pole/recessing in wall/floor/ passing earth strip or passing cable as required:	Mtr	100	359	64	35,900	6,400	42,300
98	GS-9	Supply, erection, testing & commissioning of 5-10 KVA AT auto change-over type control and distribution panel for colour light signalling supply in 25KV AC traction system as per RDSO technical specifications No.TI/SPC/PSI/CLS/0023 including latest amendment.	Nos.	1	50,423	8,800	50,423	8,800	59,223
99	GS-10	Earthing with 3 meter long, 50 mm dia. G.I. pipe class "B" earth electrode, adding of charcoal or coke and salt, providing masonry enclosure and cover plate with lifting arrangement etc. including connections with 4mm GI wire from earth electrode to switch board/electrical equipment as required.	Job	30	2,031	352	60,930	10,560	71,490
100	GS-11	Supply & erection of maintenance free earthing system	Nos.	4	0	12,274	0	49,096	49,096

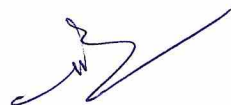
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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
101	GS-12	Supply and Laying 25 mm x 6 mm G.I. Strip at not less than 0.50 meter below ground or in recess as required.	Mtr	140	45	9	6,300	1,260	7,560
102		Supply, laying 1.1 KV grade LT XLPE insulated armoured, aluminium conductor cable, making good the damages, end terminations with aluminium crimping socket/lugs, provision of cable route markers, testing and commissioning etc. as required as per Technical specifications:							
103	GS-13	2 core 16 sq. mm.	Mtr	1000	195	50	1,95,000	50,000	2,45,000
104	GS-14	2 core 25 sq. mm.	Mtr	1000	226	58	2,26,000	58,000	2,84,000
105	GS-15	2 core 70 sq. mm.	Mtr	1000	386	69	3,86,000	69,000	4,55,000
106	GS-16	4 core 16 sq. mm.	Mtr	8000	253	63	20,24,000	5,04,000	25,28,000
107	GS-17	4 core 35 sq. mm.	Mtr	2000	359	64	7,18,000	1,28,000	8,46,000
108	GS-18	4 core 70 sq. mm.	Mtr	500	571	99	2,85,500	49,500	3,35,000
109	GS-19	4 core 120 sq. mm.	Mtr	400	903	98	3,61,200	39,200	4,00,400
110	GS-20	Extra for provision of cable route marker	Nos.	100	236	13	23,600	1,300	24,900
111		Supply, erection, testing & Commissioning of Hot dipped galvanised, high mast system complete with all accessories, foundation, carriage arrangement suitable for 9 luminaries symmetrically arranged & control gear boxes and lighting of final etc., twin dome aviation obstruction lights, control panel, multicore flexible copper							

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
		conductor cable, connection to earthing system, and fencing panel as per required.							
112	GS-21	16 m high mast system with 9 nos. luminaries (2x100 W LED with lamps) symmetrically arranged. Make Crompton Greaves, Phillips, Halonix, Havells etc.	Job	14	6,96,420	75,836	97,49,880	10,61,704	1,08,11,584
113	GS-22	Supply and laying of 200 mm dia RCC hume pipe, ISI marked, NP-4 under the Railway track/road etc, digging of trench and back filling with excavated earth after laying of pipe and making good the damages as required.	Mtr	30	320	35	9,600	1,050	10,650
114	GS-23	Supply and laying of DWC/Split DWC pipe of size 200 mm outer dia and 175mm inner dia, ISI marked (either single piece of full round of two half round split pieces set) under the Railway track/road etc. digging of trench and back filling with excavated earth after laying of pipe and making good the damages as required.	Mtr	300	216	27	64,800	8,100	72,900

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मुख्य महाप्रबंधक (विद्युत)
इरकॉन इंटरनेशनल लिमि., बिलासपुर
Chief General Manager (Elect.)
Ircon International Ltd., Bilaspur

S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
115	GS-24	Supply, installation, testing & commissioning of 5 HP Pump Set energy efficient submersible pump set complete with motor suitable to operate on 3 phase, 415V, 50Hz AC supply along with control panel (having dry run protection, single phasing protection), submersible cable of suitable rating etc complete for supplying water at suitable discharge and designed for 100 mt head or as per site requirement:	Job	2	51,627	5,624	1,03,254	11,248	1,14,502
116	GS-25	Co-ordination/liasoning and chasing with state utility company for availing new electrical connection/augmentation of sanctioned load at station, level crossing etc. including applying for load, collection of estimate for loads, modification of power line crossing, arranging payment from IRCON depositing payment of State Utility Company, arrangement release of load & other related works. payment to be made to SEB for new connection, load augmentation, modification of power line crossing etc. shall be made by IRCON or nominated agency	Each Location	1	0	6,624	0	6,624	6,624
117	GS-26	Design and preparation of working & completion drawings of all HT/LT electrical installation of the project section where work is	Job	1	0	1,36,524	0	1,36,524	1,36,524

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
		carried out such as platform lighting. Internal electrification of staff quarters, level crossing, station building, officers, power line crossing, power supply distribution arrangements of stations/sub stations, electrification of sub-station building etc. & approval from the competent authority.							
118	GS-27	Provision of temporary lighting arrangement with 1x40watt F.L tube light fittings/CFL fitting/Flood light/Halogen fitting and pedestal/ceiling fans, desert coolers in temporary tents, buildings, goomtias, on tracks, in yard area including wiring, cabling, earthing etc. as directed by the Engineer and as per site requirement for pre/post/during non-interlocking period, including providing stand by DG set of suitable capacity and deployment of staff for operation of DG set as per site requirement.	Per day	15	0	18,843	0	2,82,645	2,82,645
119	GS-28	Extras for operation and maintenance of temporary wiring installations, replacement of consumables, supply of diesel oil, lub oil etc for operation of DG set etc.	Per day	15	0	3,740	0	56,100	56,100
120	GS-29	Supply, Installation, testing and commissioning of 15 W LED Solar	Nos.	2	34,086	2,693	68,172	5,386	73,558

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S.N.	BOQ Item	Description	Unit	Qty	Supply Rate excluding GST	Erection Rate excluding GST	Supply Amount	Erection Amount	Total Amount
		Street Light with 6/7 m pole GI Completed with all accessories. As per RDSO specification RDSO/PE/SPEC/PS/0093-2008 (Rev.0) Amend-3							
		Sub Total of (I)					1,51,01,926	25,82,169	1,76,84,095
(J)		SCADA Work Design, Supply, Erection, Testing & Commissioning of SCADA system along with associated works							
121	SCADA-1	Preparation of supply of Design & drawing for SCADA at RCC & SSP.	LS	1	0	3,92,797	0	3,92,797	3,92,797
122	SCADA-2	Modification, upgradation, testing & commissioning in existing standard SCADA software at RCC Equipments for configuration, integration/ hooking up of additional RTU's of Siding.	Nos.	1	0	2,33,051	0	2,33,051	2,33,051
123	SCADA-3	Supply, Erection, Testing & Commissioning of RTUs as per RDSO specification TI/RCC/SCADA/0134 for SSP.	Nos.	1	12,65,678	96,017	12,65,678	96,017	13,61,695
		Sub Total of (J)					12,65,678	7,21,865	19,87,543
		Total Basic Cost of all Schedule (A to J)					5,20,06,188	74,77,838	5,94,84,026
		GST @ 18 % on Basic Cost (Schedule A to J)					93,61,114	13,46,011	1,07,07,125
		Total Cost including GST (Schedule A to J)					6,13,67,302	88,23,849	7,01,91,151
		Accepted Cost in Rupees (8.55 % Below of the Estimated Cost)					5,61,20,397.67	80,69,409.91	6,41,89,807.59

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Signature Not Verified

Digitally signed by SHUBHCHAND JAIN महाप्रबंधक (युत)
Date: 2025.02.06 13:18:58 IST
Location: eProcurement System for Central PSUs में, बिलासपुर
Chief General Manager (Elect.)
Ircon International Ltd., Bilaspur