

No. IRCON/ELECT/2074/KGS-RE/02/690

Date: 11.07.2025

To,
M/s Ellcon Projects,
726/4, Napier Town,
Near 4th Railway Bridge,
Jabalpur (M.P.) - 482001
E-mail ID: ellconprojects@rediffmail.com

LETTER OF ACCEPTANCE

Sub: Balance RE work of Katni Grade Separator Bypass Line Project, which involves Design, Supply, Installation, Testing & commissioning of 2x25KV/ 25 KV, AC, 50Hz OHE on viaduct, retaining wall & ground.

Ref: i) e-procurement notice no.- IRCON/ELECT/2074/KGS-RE/02, dated: 26.06.2025.
ii) Your offer no. 868605, dated 03.07.2025
iii) Your letter no. EP/IRCON/25-26/01, dated 09.07.2025.

Dear Sir,

With reference to the above, this is to inform you that your offer for the subject work, has been accepted at a total contract value of **Rs. 8,65,96,341.16/-** (Eight Crores Sixty-Five Lakhs Ninety-Six Thousand Three Hundred Forty-One Rupees & Sixteen Paise Only), i.e. 8.50% above estimated cost of Rs. 7,98,12,296/-, inclusive of GST @ 18% and any other taxes & duties etc., on the following terms and conditions:

1.0 SCOPE OF WORK:

The scope of work in the subject tender covers "Balance RE work of Katni Grade Separator Bypass Line Project, which involves Design, Supply, Installation, Testing & commissioning of 2x25KV/ 25 KV, AC, 50Hz OHE on viaduct, retaining wall & ground."

The detailed scope of work shall be as per the relevant clauses of Section-VI of the tender documents issued to you and submitted by you with your offer.

2.0 CONTRACT AGREEMENT: (SCC clause - 15)

The contractor shall enter into and execute the Contract Agreement in the form of agreement (Annexure-X) within 28 days from the date of issue of Letter of Acceptance (LOA). The stamp paper of the requisite value as per the prevailing laws shall be provided by the contractor at his own cost. Original agreement shall be retained by the employer/ engineer and a certified copy shall be made available to the contractor.



3.0 COMMENCEMENT OF CONTRACT: (SCC clause - 31)

Date of issue of Letter of Acceptance (LOA) shall be considered as the commencement date of Contract.

4.0 COMPLETION PERIOD:

The work is required to be completed within 9 (Nine) months from the date of issue of Letter of Acceptance (LOA) as per clause-32 of SCC.

The work has to be executed in co-ordination with other agencies working on or near the project.

In case of any delay in the completion period, the extension of the same shall be dealt as per clause 17 of railway GCC April 2022.

5.0 FREIGHT AND INSURANCE CHARGES:

The rate shall be inclusive of freight & Insurance charges as per clause 33 of SCC.

6.0 TAXES, DUTIES & LEVIES:

Taxes, duties & levies shall be as per clause 34 of SCC.

7.0 PAYMENT TERMS: (SCC clause - 40)

SN	Description	Payment in Percentage
1	Payment of Design & Drawing as per BOQ Schedules shall be as under:	
a)	After completion of survey work, preparation, submission & approval of complete Design & drawing (LOP, CSD, SED, Switching stations, sectioning diagram, bonding plan, TWRs, profile drawings etc.) along with submission of distribution copies as per contract condition.	80%
b)	On preparation, submission and approval of As Erected Drawings along with submission of distribution copies as per contract condition.	20%
	Total	100%
2	Payment for Supply of materials as per BOQ Schedules shall be as under	
a)	Supply of materials at site/ Store	70%
b)	Erection of above materials	20%
c)	Testing & Commissioning of installation	5%
d)	Handing over of executed work	5%
	Total	100%

3	Payment for Erection of materials as per BOQ Schedules shall be as under	
a)	Erection of materials	90%
b)	Testing & Commissioning of executed works	5%
c)	Handing over of executed work	5%
	Total	100%
4	Payment against work done under power block	No payment against power block shall be made if sanctioned power block is more than 4 hours in a single block, as certified by the engineer
5	Payment against watching and guarding of OHE (Non-energized) along the track	100% payment shall be made on monthly basis on actual attendance of security guards as decided and duly certified by the engineer.

Documents required for release of Schedule- payment are as per clause 40 of SCC.

8.0 MODE OF PAYMENT AND TAX DEDUCTION AT SOURCE: (SCC clause - 41)

a) Mode of Payment:

All payments to the Contractor shall be made through Electronic Clearing System (ECS) after submission of Tax Invoice and required documents as per clause 40 of SCC. The contractor shall furnish his Banker's details in addition to his own bank account details. All amounts payable to the contractor shall be directly credited to his bank account.

b) Tax Deduction at Source

Income Tax and all statutory dues (if any applicable) shall be deducted from the payments credited/ released by employer/ engineer to the contractor against execution of work as per income tax act 1961. The deductions shall be made as per prescribed rates prevalent from time to time unless a tax exemption certificate is produced by the contractor.

9.0 PERFORMANCE SECURITY & RETENTION MONEY: (SCC clause - 11)

The contractor shall submit a Performance Security (PS) in the form of a Performance Guarantee (PG). The Performance Guarantee shall be in the form of irrevocable Bank Guarantee (BG) on the Performa annexed as Annexure-XI of the Tender document from any scheduled Bank for an amount of 5% (Five percent) of the contract value i.e. 43,29,818/-. The performance security and retention money shall be as per clause 11 of SCC.





कटनी ग्रेड सेपरेटर परियोजना (विद्युत विभाग)

प्रथम तल, मारुति सुजुकी शोरूम के ऊपर, झिंझरी, पुलिस स्टेशन के समीप, नेशनल हाइवे-7,
जबलपुर रोड, कटनी-483501 (म.प्र.) ई-मेल – rekss.5031@ircon.org



Retention money for all contracts shall be recovered from on account/ final bills of the Contractor @ 10% of gross value of each bill after adjusting Earnest Money Deposit (EMD) amount till the amount so recovered including EMD amount adds up to 5% of the contract value (including GST and all other duties & taxes & all variations but excluding price variation) of the work.

10.0 INSURANCE

The Insurance policy shall be obtained & submitted by the contractor in line with clause 12 of SCC.

11.0 QUANTITY VARIATION:

Quantity variation is applicable as per SCC clause 55 & in line with clause 42 of railway GCC April 2022.

12.0 DEFECT LIABILITY PERIOD

The defect liability period shall be for 18 months as per clause 56 of SCC.

13.0 PRICE ADJUSTMENT:

Quantity variation is applicable as per SCC clause 59 & in line with clause 46A of railway GCC April 2022.

All other terms & conditions shall be applicable as per the tender document & subsequent corrigendum issued.

This Letter of Acceptance is issued in duplicate. You are requested to return one copy duly signed and stamped in token of your acceptance at the earliest.

Thanking you,

Yours faithfully

For & on behalf of

IRCON International Ltd



(R. K. Singh)

Chief General Manager/Elect.

**KATNI GRADE SEPARATOR BALANCE RAILWAY
ELECTRIFICATION WORK**

BILL OF QUANTITY

Summary

Sch. No.	Description of Schedule	Amount (Rs.)
A	OHE	₹ 6,44,60,623.96
B	Site facilities	₹ 1,15,28,472.42
C	T&P	₹ 38,23,200.00
Total Estimated Amount (Incl. GST)		₹ 7,98,12,296.00
Contractor Quote above 8.50%		₹ 67,84,045.16
LOA Amount (Incl. GST)		₹ 8,65,96,341.16



KATNI GRADE SEPARATOR BALANCE RAILWAY ELECTRIFICATION WORK

BILL OF QUANTITY

Schedule-A: OHE

Item No	Description	Unit	Qty	SOR Rate		Rate (Incl. GST) (Rs.)		Amount		Total Amount
				Supply	Erection	Supply	Erection	Supply	Erection	
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	10	1,982.57	28,740.90	2,044.03	29,631.87	₹ 20,440.30	₹ 2,96,318.70	₹ 3,16,759.00
OHE-2	Supply, Erection & Termination of large Span wire (130 sq.mm) including its fittings with insulators:									
(a)	With Porcelain Insulators 1050mm CD	Mtr	500	1,144.37	71.05	1,179.85	73.25	₹ 5,89,925.00	₹ 36,625.00	₹ 6,26,550.00
(b)	Extra on erection under Power Block	Mtr	200		71.05	0.00	73.25	₹ -	₹ 14,650.00	₹ 14,650.00
OHE-4	Supply and Erection of materials for Termination of all aluminium 25 KV feeder conductor single (spider) including feeder wire									
(a)	With Porcelain Insulators 1050mm CD	Mtr	2000	981.07	234.87	1,011.48	242.15	₹ 20,22,960.00	₹ 4,84,300.00	₹ 25,07,260.00
(b)	Extra on erection under Power Block	Mtr	200		234.87	0.00	242.15	₹ -	₹ 48,430.00	₹ 48,430.00
OHE-10	Modification to existing Overhead Equipment	Mtr	2000	0.00	43.42	0.00	44.77	₹ -	₹ 89,540.00	₹ 89,540.00
OHE-10(a)	Extra for modification to existing Overhead Equipment under power block:	Mtr	2000	0.00	43.42	0.00	44.77	₹ -	₹ 89,540.00	₹ 89,540.00
OHE-16	Supply and Erection of a guy rod assembly.	Each	40	12,365.25	1,330.27	12,748.57	1,371.51	₹ 5,09,942.80	₹ 54,860.40	₹ 5,64,803.20
(a)	Extra on erection under Power Block	Each	5		1,330.27	0.00	1,371.51	₹ -	₹ 6,857.55	₹ 6,857.55
OHE-16a	Supply and Erection of SS rope for guy arrangement with required fittings and accessories.	Mtr	1000	1,040.95	104.10	942.89	94.29	₹ 9,42,890.00	₹ 94,290.00	₹ 10,37,180.00
(a)	Extra on erection under Power Block	Mtr	200		104.10	0.00	94.29	₹ -	₹ 18,858.00	₹ 18,858.00
OHE-18	Supply and Erection of bracket assembly with insulators									
(a)	With Porcelain stay & bracket Insulators 1050mm CD	Each	100	29,522.28	1,145.72	30,437.47	1,181.24	₹ 30,43,747.00	₹ 1,18,124.00	₹ 31,61,871.00
(c)	Extra on erection under Power Block	Each	10		1,145.72	0.00	1,181.24	₹ -	₹ 11,812.40	₹ 11,812.40
OHE-19	Supply and Erection of regulating equipment (3 pulley type or 5 pulley type) with counter weight assembly suitable for 2200 Kgf conventional OHE	Each	30	97,427.23	4,956.92	1,00,447.47	5,110.58	₹ 30,13,424.10	₹ 1,53,317.40	₹ 31,66,741.50
(a)	Extra on erection under Power Block	Each	5		4,956.92	0.00	5,110.58	₹ -	₹ 25,552.90	₹ 25,552.90
OHE-20	Supply and Erection of material for termination of double Overhead Equipment conductor									
(a)	With Porcelain Insulators 1050mm CD	Each	30	20,696.07	1,251.32	21,337.65	1,290.11	₹ 6,40,129.50	₹ 38,703.30	₹ 6,78,832.80
(c)	Extra on erection under Power Block	Each	5		1,251.32	0.00	1,290.11	₹ -	₹ 6,450.55	₹ 6,450.55
OHE-21	Supply and Erection of anti-creep with galvanized steel wire									



Item No	Description	Unit	Qty	SOR Rate		Rate (Incl. GST) (Rs.)		Amount		Total Amount
				Supply	Erection	Supply	Erection	Supply	Erection	
(a)	With Porcelain Insulators 1050mm CD	Each	10	48,569.84	3,517.11	50,075.51	3,626.14	₹ 5,00,755.10	₹ 36,261.40	₹ 5,37,016.50
(c)	Extra on erection under Power Block	Each	2		3,517.11	0.00	3,626.14	₹ -	₹ 7,252.28	₹ 7,252.28
OHE-22(a)	Supply and Erection of a structure bond	Nos	200	626.44	137.32	645.86	141.58	₹ 1,29,172.00	₹ 28,316.00	₹ 1,57,488.00
OHE-22(b)	Supply and Erection of longitudinal bond	Nos	600	411.95	137.32	424.72	141.58	₹ 2,54,832.00	₹ 84,948.00	₹ 3,39,780.00
OHE-22(c)	Supply and Erection of transverse/ inter connection bond, Z bond and special bonds	Nos	120	553.27	137.32	570.42	141.58	₹ 68,450.40	₹ 16,989.60	₹ 85,440.00
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	8	0	59,053.82	0.00	60,884.49	₹ -	₹ 4,87,075.92	₹ 4,87,075.92
(j)	Extra on erection under Power Block	TKM	2	0	29,526.41	0.00	30,441.73	₹ -	₹ 60,883.46	₹ 60,883.46
(ii)	Extra on manual erection for catenary/contact wire	TKM	8	0	14,763.21	0.00	15,220.87	₹ -	₹ 1,21,766.96	₹ 1,21,766.96
OHE-23(b)	Supply of contact wire (HDGCC 107/150 Sq.mm) only.	MT	13.35	12,21,366.03	0	12,59,228.38	0.00	₹ 1,68,10,698.87	₹ -	₹ 1,68,10,698.87
OHE-23(c)	Supply of cadmium copper catenary wire (65 Sq. mm) only	MT	8.35	12,26,733.64	0	12,64,762.38	0.00	₹ 1,05,60,765.87	₹ -	₹ 1,05,60,765.87
OHE-27	Supply and Erection of 25 KV, 1250A / 1600A, S.P Isolators and with insulator with/without earth contact assembly:	Each	5	1,18,319.10	4,652.09	1,21,986.99	4,796.30	₹ 6,09,934.95	₹ 23,981.50	₹ 6,33,916.45
(a)	Extra on erection under Power Block	Each	1		4,652.09	0.00	4,796.30	₹ -	₹ 4,796.30	₹ 4,796.30
OHE-29	Supply and Erection of all types of copper jumpers	Each	20	10,794.49	454.93	11,129.12	469.03	₹ 2,22,582.40	₹ 9,380.60	₹ 2,31,963.00
OHE-29(a)	Extra on erection under Power Block	Each	4		454.93	0.00	469.03	₹ -	₹ 1,876.12	₹ 1,876.12
OHE-32 (a)	Supply and Erection of solid copper busbar 18 mm dia including all connectors, bus splice etc.	Mtr	100	5,375.26	223.02	5,541.89	229.93	₹ 5,54,189.00	₹ 22,993.00	₹ 5,77,182.00
(i)	Extra on erection under Power Block	Mtr	10		223.02	0.00	229.93	₹ -	₹ 2,299.30	₹ 2,299.30
CS-9	Supply and erection of all types of galvanised Steel Structures, Small Parts Steel etc.	MT	40	1,47,639.88	3,439.16	1,52,216.72	3,545.77	₹ 60,88,668.80	₹ 1,41,830.80	₹ 62,30,499.60
(a)	Extra on erection under Power Block	MT	8		3,439.16	0.00	3,545.77	₹ -	₹ 28,366.16	₹ 28,366.16
(b)	Extra rate on Manual Erection	MT	40		1,719.58	0.00	1,772.89	₹ -	₹ 70,915.60	₹ 70,915.60
CS-6 (a)	Providing and laying of concrete for foundation and plinth in all types of Soils using M-10 grade concrete for main foundation and M-15 grade concrete for grouting and muffing including nominal reinforcement wherever required as per RDSO drawings.	CUM	100	5,073.37	1,641.12	5,230.64	1,691.99	₹ 5,23,064.00	₹ 1,69,199.00	₹ 6,92,263.00



Item No	Description	Unit	Qty	SOR Rate		Rate (Incl. GST) (Rs.)		Amount		Total Amount
				Supply	Erection	Supply	Erection	Supply	Erection	
CS-7 (a)	100% Extra Payment over CS-6(a) , (b) and (c) for foundation and plinth in Hard Rock/heavy concrete requiring chiseling/ Blasting/ machine breaking	CUM	10		1,641.12	0.00	1,691.99	₹ -	₹ 16,919.90	₹ 16,919.90
CS-7 (b)	50% Extra Payment over CS-6(a) , (b) and (c) for foundation and plinth in Soft Rock/Hard soil requiring chiseling/ Blasting/ machine breaking and in Black Cotton Soil	CUM	10		821.05	0.00	846.50	₹ -	₹ 8,465.00	₹ 8,465.00
CS-8	Providing and laying of Reinforced Concrete for Pier/Column/Pile, Cable Trench and Trench Cover and special designed foundations requiring reinforcement.	CUM	50		7,555.29	0.00	7,789.50	₹ -	₹ 3,89,475.00	₹ 3,89,475.00
CS-5(a)	Supply, erection, oil filtration, testing & commissioning of 25KV/240V 10 KVA Auxiliary (LT) Supply Transformers oil type with DO fuse switch, anti climbing device, Arcing horns, pedestal insulators, copper jumper and earth electrode etc.									
(i)	With Porcelain Insulators 1050mm CD	Set	1	1,36,553.99	13,911.56	1,40,787.16	14,342.82	₹ 1,40,787.16	₹ 14,342.82	₹ 1,55,129.98
(iii)	Extra on erection under Power Block		1		13,911.56	0.00	14,342.82	₹ -	₹ 14,342.82	₹ 14,342.82
CS-5(b)	Supply, erection, oil filtration, testing & commissioning of 25KV/240V 25 KVA Auxiliary (LT) Supply Transformers oil type with DO fuse switch, anti climbing device, Arcing horns, pedestal insulators, copper jumper and earth electrode etc.									
(i)	With Porcelain Insulators 1050mm CD	Set	1	4,04,360.36	30,482.46	4,16,895.53	31,427.42	₹ 4,16,895.53	₹ 31,427.42	₹ 4,48,322.95
(iii)	Extra on erection under Power Block		1		30,482.46	0.00	31,427.42	₹ -	₹ 31,427.42	₹ 31,427.42
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	100	797.37		822.09	0.00	₹ 82,209.00	₹ -	₹ 82,209.00
(b)	Person without arms.		4000	725.33		747.82	0.00	₹ 29,91,280.00	₹ -	₹ 29,91,280.00
CS-26	Supply & erection of 25 KV support /Post insulators with fittings and fasteners	Each	40	4,514.82	169.73	4,654.78	174.99	₹ 1,86,191.20	₹ 6,999.60	₹ 1,93,190.80
CS-9T	25 kV 9 Ton Insulator including fittings	Each	20	7,547.20	1,163.05	7,781.16	1,199.10	₹ 1,55,623.20	₹ 23,982.00	₹ 1,79,605.20
(i)	Extra on erection under Power Block	Each	5	0.00	1,163.05	0.00	1,199.10	₹ -	₹ 5,995.50	₹ 5,995.50
E-1	Earthing with 3 meter long, 50mm dia, G.I. pipe class 'B' earth electrode, adding the charcoal or coke and salt/ chemical earthing, providing concrete enclosure and MS cover plate with lifting arrangement etc. including connections with 4mm G.I. wire from earth electrode to switch board / electrical equipment as required.	Job	100	3,169.31	498.17	3,267.56	513.61	₹ 3,26,756.00	₹ 51,361.00	₹ 3,78,117.00
E-2	Supply & erection of ACSR Racocon conductor for AEC Wire	Mtr	17500			104.47	34.00	₹ 18,28,225.00	₹ 5,95,000.00	₹ 24,23,225.00



Item No	Description	Unit	Qty	SOR Rate		Rate (Incl. GST) (Rs.)		Amount		Total Amount
				Supply	Erection	Supply	Erection	Supply	Erection	
E-3	Supply & erection of 20 mm dia BEC wire conductor as per RDSO drawing (Including trenching, fixing & associated works)	Mtr	17500			248.72	105.50	₹ 43,52,600.00	₹ 18,46,250.00	₹ 61,98,850.00
E-4	Supply & erection of all types of connectors including all fittings for BEC wire	Nos	450			988.00	275.00	₹ 4,44,600.00	₹ 1,23,750.00	₹ 5,68,350.00
E-5	Supply & Erection of 32 mm dia MS rod for earth mat	Mtr	500	140.40	11.83	127.17	10.72	₹ 63,585.00	₹ 5,360.00	₹ 68,945.00
E-6	Supply & Erection of earth lead 75x8mm mild steel flat laid in the ground or exposed as per site requirement	Mtr	1800	122.26	35.50	110.74	32.16	₹ 1,99,332.00	₹ 57,888.00	₹ 2,57,220.00
FP-1	Preparation and submission of design and drawing for 2X25 KV FP substaion/ switching station, power supply diagram, schematic diagram of switching station, traction, working rule diagram and etc required for commissioning of switching station.	Each	1	0.00	39,323.35	0.00	35,619.09	₹ -	₹ 35,619.09	₹ 35,619.09
Total Amount								₹ 5,82,94,656.19	₹ 61,65,967.77	₹ 6,44,60,623.96



RAILWAY ELECTRIFICATION OF KATNI GRADE SEPARATOR OF WEST CENTRAL RAILWAY

BILL OF QUANTITY							
Schedule-B: Site Facilities							
Technical consultants & Road vehicles to be provided by the contractor							
BOQ Item No.	Description	Unit	Personnel/ Qty required	Months	SOR rate	Rate (Incl. GST) (Rs.)	Total Amount (In Rs)
A	Technical Consultant						
1	Electrical Expert (OHE/ PSI/ GS/ TSS/ SCADA)	Man - months	5	9	1,11,037.70	1,08,850.26	₹ 48,98,261.70
2	Supervisor electrical (OHE/ PSI/ GS/ TSS/ SCADA)	Man - months	3	9	84,670.07	83,002.07	₹ 22,41,055.89
3	Traffic Insspector	Man - months	1	9	84,670.07	83,002.07	₹ 7,47,018.63
4	Tower Wagon Driver	Man - months	2	9	84,670.07	83,002.07	₹ 14,94,037.26
Total (A)							₹ 93,80,373.48
B	Site facilities						
1(a)	Providing road vehicle for the use of Engineer/Employer Tata Sumo, Bolero, Scorpio or similar SUV (up to 3000 KM in one month extra will be payable in 1(b))	Vehicle Month	2	9	60,755.90	59,559.01	₹ 10,72,062.18
1(b)	Extra for running and maintenance of every running KM over and above 3000KM	KM	10000	-	19.00	18.63	₹ 1,86,300.00
1(c)	Providing road vehicle for the use of Employer/Project Head Innova, Scorpio or similar SUV (up to 3000 KM in one month extra will be payable in 1(b))	Vehicle Month	1	9	94,693.14	98,859.64	₹ 8,89,736.76
Total (B)							₹ 21,48,098.94
Grand Total (A+B)							₹ 1,15,28,472.42



RAILWAY ELECTRIFICATION OF KATNI GRADE SEPARATOR OF WEST CENTRAL RAILWAY

BILL OF QUANTITY					
Schedule-C: T&P					
Tools & Plants (Testing Equipments) for PSI					
BOQ Item No.	Description	Unit	Qty	Rate (Incl. GST) (Rs.)	Total Amount (In Rs)
1	Circuit breaker Portable Contact resistance meter along with standard accessories with latest configuration with calibration certificate from NABL/any government approved lab. After supply, demonstration shall be conducted by firm at consignee location. Make: Scope Model: 200B+ or latest	Nos	8	2,83,200.00	₹ 22,65,600.00
2	Circuit breaker time interval meter (Digital) with standard accessories, Timing range 1 sec, resolution of 0.1 milli sec and accuracy +/- 0.05%, with calibration certificate from NABL/ any government approved lab. After supply, demonstration shall be conducted by firm at consignee location. Make: SCOPE Model: SCOT M3K+ or latest	Nos	8	1,94,700.00	₹ 15,57,600.00
Total of Schedule-C: T&P					₹ 38,23,200.00

