

No. IRCON/2065/KSDP/Elect/KTE/33kV-Bay/01/687

Dated: 25.02.2025

M/s Shakti Infrastructure,
1195, Wright Town,
1st Floor above Allahabad Bank,
Opposite of Shishu Mangal Hospital,
Jabalpur-482002 (M.P.)
Email: shaktiinfrastructure@gmail.com

LETTER OF ACCEPTANCE

Sub: Design, Supply, Installation, Testing & commissioning of 33 KV Bay Work at Shanti-nagar Sub-station and 33kV Line work in OFK area at Katni in connection to Katni Singrauli Doubling Project of West Central Railway

Ref: i) e-procurement notice no.- IRCON/2065/KSDP/Elect/KTE/33kV-Bay/01, dated: 27.11.2024
ii) Your offer dated 19.12.2024
iii) Your letter no. Shakti/12-Feb-25/001, dated 12.02.2025

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. 1,80,20,512.03/-** (One Crore Eighty Lakhs Twenty Thousand Five Hundred Twelve Rupees & Three Paise Only), i.e. 7.50% above estimated cost of Rs. 1,67,63,267/-, 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 "Design, Supply, Installation, Testing & commissioning of 33 KV Bay Work at Shanti-nagar Sub-station and 33kV Line work in OFK area at Katni in connection to Katni Singrauli Doubling Project of West Central Railway."

The detailed scope of work shall be as per the clause no. 4 of Special Conditions of Contract.

2.0 CONTRACT AGREEMENT: (SCC clause - 14)

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 - 29)

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 6 (Six) months from the date of issue of Letter of Acceptance (LOA) as per clause-30 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 31 of SCC.

6.0 TAXES, DUTIES & LEVIES:

Taxes, duties & levies shall be as per clause 32 of SCC.

7.0 PAYMENT TERMS: (SCC clause - 39)

SN	Description	Payment in Percentage
Part-A: Supply		
1	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%
Part-B & C: Civil works & Erection, Testing & Commissioning		
B & C	Payment for civil work & Erection of materials as per BOQ Schedules shall be as under	
a)	Civil work or Erection of Materials	90%
b)	Testing & commissioning of Executed Works	5%
c)	Handing over of executed work	5%
	Total	100%

Documents required for release of Schedule- payment are as per clause 39 of SCC.

8.0 MODE OF PAYMENT AND TAX DEDUCTION AT SOURCE: (SCC clause - 40)

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 - 10)

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. Rs. 9,01,026/-. The performance security and retention money shall be as per clause 10 of SCC.

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 11 of SCC.

11.0 QUANTITY VARIATION:

Quantity variation is applicable as per SCC clause 54 & in line with clause 42 of railway GCC April 2022.

12.0 DEFECT LIABILITY PERIOD

The defect liability period shall be for 12 months as per clause 55 of SCC.

13.0 PRICE ADJUSTMENT:

Not Applicable.

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

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.

(CIN -L45203 DL1976 GOI008171)

Regd. Office: C-4, District Centre, Saket, NEW DELHI – 110 017
Tel: 011- 2956666, Fax -011-26522000, 26854000.

**Construction of 33kV Bay at 132kV S/s Shantinagar & 33kV Line at
OFK, Katni**

Bill of Quantity

Summary

Section	Discription	Amount
Part-A	Supply	₹ 1,19,78,365.99
Part-B	Civil Works	₹ 6,25,431.23
Part-C	Erection, Testing & Commissioning	₹ 41,59,470.11
Total Estimated Amount (Incl. GST)		₹ 1,67,63,267.00
Contractor Quote above 7.50%		₹ 12,57,245.03
LOA Amount (Incl. GST)		₹ 1,80,20,512.03



Construction of 33kV Bay at 132kV S/s Shantinagar & 33kV Line at OFK, Katni
Bill of Quantity

Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Incl. GST)	Amount (Rs.) (Incl. GST)
Part-A: Supply					
1	33kV Vacuum Circuit Breaker	Nos	1	3,36,052.20	3,36,052.20
2	33kV CT (400-200/1-1 Amp)	Nos	3	39,199.60	1,17,598.80
3	33kV 3ph 800A Isolator with ES, with structure & insulator motorised	Nos	1	1,28,502.00	1,28,502.00
4	33kV 3ph 800A Isolator without ES, with structure & insulator motorised	Nos	3	1,23,829.20	3,71,487.60
5	LA 36kV	Nos	3	17,393.20	52,179.60
6	33kV Control & Relay Panel (2 fdr. Circuit) SAS with BCPU	Nos	1	4,83,375.20	4,83,375.20
7	Post/ Solidcore Insulators	Nos	6	3,634.40	21,806.40
8	Supply of all types of galvanized steel structures, Small parts steel etc. (33kV Structures i.e. Gantry column-2, gantry beams-2, Aux. bus structure-2, CT/PT/PI/NCT-3 or else required)	MT	3.5	1,37,981.20	4,82,934.21
9	Zebra Conductor	Mtr	300	571.12	1,71,336.00
10	MS Flat 65x8	MT	1.0	87,225.60	87,225.60
11	MS Flat 50x6	MT	1.0	87,225.60	87,225.60
12	Earthing rods (25mmx3000mm)	Nos	10	1,161.12	11,611.20
13	GI pipe 40mm dia 4 mm thick along with clamp for earth pit	Mtr	50	1,427.80	71,390.00
14	Clamp & connectors			-	-
(a)	T Clamps			-	-
(i)	Twin Zebra Run-Zebra Tap	Nos	12	1,246.08	14,952.96
(ii)	Zebra Run-Zebra Tap	Nos	12	1,083.24	12,998.88
(b)	P.G. Clamps			-	-
(i)	Zebra-Zebra	Nos	6	649.00	3,894.00
(ii)	Zebra-Panther	Nos	6	683.22	4,099.32
(iii)	Zebra-Racoon	Nos	3	722.16	2,166.48
(c)	P.I. Clamps 33kV			-	-
(i)	Single Zebra	Nos	12	649.00	7,788.00
(ii)	Twin Zebra	Nos	5	1,439.60	7,198.00
(d)	Spacers	Nos	10	649.00	6,490.00
(e)	Earth wire clamps	Nos	4	908.60	3,634.40
15	Screening conductor/ O.H. Shield Wire	Mtr	100	65.81	6,580.86
16	Junction Box (36 ways)	Nos	2	4,672.80	9,345.60
17	Lighting fixtures with HPSV/HPMH (250W ISI markes of approved make as per required specifications)	Nos	5	1,716.90	8,584.50
18	33kV 70 kN Disc Insulator: Single tension with single zebra hardware	Nos	9	4,023.80	36,214.20
19	Disc Insulator: 90 kN	Nos	36	519.20	18,691.20
20	Control Cable (Unarmoured)			-	-
(a)	2Cx2.5Sqmm	KM	0.5	75,166.00	37,583.00
(b)	4Cx2.5Sqmm	KM	1	2,66,208.00	2,66,208.00
(c)	8Cx2.5Sqmm	KM	1	2,58,656.00	2,58,656.00



Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Incl. GST)	Amount (Rs.) (Incl. GST)
(d)	12Cx2.5Sqmm	KM	1	3,79,724.00	3,79,724.00
21	Supply of following size XLPE (E) insulated, armoured, aluminium conductor HT cable 33 kV, 3 Core 300 sq mm	Mtr	2500	2,307.53	57,68,821.93
22	Supply of outdoor type, heat shrinkable, end termination kit, suitable for following cable sizes XLPE(E) insulated, armoured aluminium conductor cable 3 core 33 kV 240 to 400 sq mm	Set	4	41,770.54	1,67,082.18
23	Supply of HDPE pipe type, of size 160 mm outer dia, Grade PN8, PE100, ISI marked (either single piece of full round or two half round split pieces set), under the Railway track/ road etc.	Mtr	2500	759.46	18,98,654.51
24	Supply of double pole structure by 2 nos H-Beam, 13 mtr height 152x 152mm with all accessories include concreting	Set	3	87,042.59	2,61,127.77
25	Supply of 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: 150 mm dia	Mtr	100	1,497.71	1,49,770.52
26	Supply & erection of heat shrinkable Jointing kit 33kV XLPE Cable Staright Through for 3 Core 300 Sq. mm (Note: This rate is including erection work)	Each	4	56,343.82	2,25,375.28
Sub-Total of Part-A (Rs.)					1,19,78,365.99
Part-B: Civil Works					
1	33kV Gantry Foundation	Nos	2	42,526.96	85,053.93
2	33kV Aux. Bus Foundation	Nos	2	57,968.92	1,15,937.83
3	33kV CB Foundation	Nos	2	14,977.80	29,955.60
4	33kV Isolator Foundation	Nos	3	11,819.74	35,459.22
5	33kV CT+PI+LA+NCT Foundation	Nos	12	4,468.07	53,616.84
6	33kV 12MVAR Capacitor Bank Foundation	Nos	1	68,786.14	68,786.14
7	Extra earthwork in filling at yard (Yard leveling - 1 no. 33kV Bay)	Cum	150	243.49	36,523.21
8	Supply & spreading of gravel/ ballast in the yard (Yard Metalling - 1 no. 33kV Bay)	Cum	30	1,008.39	30,251.73
9	Cable Trenches				-
(a)	Type-D	Mtr	20	2,941.99	58,839.76
(b)	Type-E	Mtr	30	2,098.75	62,962.44
(c)	Type-F	Mtr	30	1,601.48	48,044.53
Sub-Total of Part-B (Rs.)					6,25,431.23
Part-C: Erection, Testing & Commissioning					
1	Erection of structures including tightening and punching of nuts, bolts etc. (33kV Gantry, Bus bar & Equipments structure erection)	MT	3.5	8,989.24	31,462.34



Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Incl. GST)	Amount (Rs.) (Incl. GST)
2	36kV 12MVAR Capacitor Bank with structure and accessories complete in all respect	Nos	1	49,560.00	49,560.00
3	33kV CB	Nos	2	14,160.00	28,320.00
4	33kV CT+NCT	Nos	9	4,248.00	38,232.00
5	33kV Isolators	Nos	4	12,744.00	50,976.00
6	33kV LAs	Nos	6	2,832.00	16,992.00
7	Post/ Solidcore Insulators + Special PI	Nos	9	141.60	1,274.40
8	33kV Control & Relay Panel	Nos	1	9,204.00	9,204.00
9	Fitting & lighting fixtures (Installation of light fittings on gantry columns. Supply connections to the light fitting from nearest lighting board in the yard etc.)	Nos	5	577.02	2,885.10
10	Cable Laying (Unarmoured)			-	-
(a)	2Cx2.5Sqmm	Mtr	500	11.80	5,900.00
(b)	4Cx2.5Sqmm	Mtr	1000	14.16	14,160.00
(c)	8Cx2.5Sqmm	Mtr	1000	16.52	16,520.00
(d)	12Cx2.5Sqmm	Mtr	1000	21.24	21,240.00
11	Cable Termination (Both ends) (Unarmoured)			-	-
(a)	2Cx2.5Sqmm	Nos	6	120.36	722.16
(b)	4Cx2.5Sqmm	Nos	10	141.60	1,416.00
(c)	8Cx2.5Sqmm	Nos	6	212.40	1,274.40
(d)	12Cx2.5Sqmm	Nos	6	283.20	1,699.20
12	MS Flat for earthing (65x8)	Mtr	246	92.04	22,641.84
13	MS Flat for earthing (50x6)	Mtr	424	70.80	30,019.20
14	Earthing rods (25mmx3000mm)	Nos	10	1,274.40	12,744.00
15	Preparation of earth pits (1.5x1.5x3 mtr) and associated brick masonry work	Nos	1	12,744.00	12,744.00
16	Stringing, jumpering & associated works (including clamps, connectors, insulators etc.)			-	-
(a)	Twin Zebra conductor	Mtr	50	148.68	7,434.00
(b)	Single Zebra conductor	Mtr	150	76.70	11,505.00
(c)	Overhead Earth wire (Stringing of overhead shield wire with 7/3.65 mm standard galvanized steel complete with fixing of strain clamps at the structures)	Mtr	100	29.50	2,950.00
17	Dismantalling/ de-erection works			-	-
(a)	De-erection of 36kV 12MVAR Capacitor Bank Structure	Nos	1	24,780.00	24,780.00
(b)	Dismantalling of 33kV PI	Nos	3	424.80	1,274.40
(c)	Dismantalling of 33kV CT/NCT	Nos	6	2,124.00	12,744.00
(d)	Dismantalling of 33kV Isolator	Nos	1	6,372.00	6,372.00
(e)	Dismantalling of 33kV LA	Nos	3	1,416.00	4,248.00
18	Erection of Junction Box	Nos	2	1,416.00	2,832.00



Sr. No.	Description of Item	Unit	Qty	Rate (Rs.) (Incl. GST)	Amount (Rs.) (Incl. GST)
19	Co-ordination/ liasoning and chasing with State Utility/ Transmission Company for availing new electrical connection /augmentation of sanctioned load at stations, yards, level crossing set including applying for load, collection of estimates for loads, modification of power line crossings, depositing payment to State Utility/ Transmission Company, arranging release of load & other related works, payment to be made to SEB for new connection, load augmentation, modification of power line crossings etc. shall be made by IRCON.	Each	50	10,075.04	5,03,752.18
20	Testing, commissioning & handing over of newly constructed 33kV feeder bay	Nos	1	1,18,000.00	1,18,000.00
21	Excavation of trench and laying of following sizes XLPE (E) insulated, armoured, aluminium conductor HT cable 33 kV, 3 Core 300 sq mm	Mtr	2500	156.36	3,90,900.81
22	Installation of outdoor type, heat shrinkable, end termination kit, suitable for following cable sizes XLPE(E) insulated, armoured aluminium conductor cable and making termination, connections with overhead conductor, testing and commissioning etc 3 core 33 kV 240 to 400 sq mm	Set	4	4,130.44	16,521.75
23	Laying of HDPE pipe type, of size 160 mm outer dia, Grade PN8, PE100, ISI marked (either single piece of full round or 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	2500	19.08	47,697.62
24	Drilling of horizontal bore below the track/road by pushing method by means of HDD machine for laying of Pipe	Mtr	800	3,232.31	25,85,846.93
25	Erection and fixing double pole structure by 2 nos H-Beam, 13 mtr height 152x 152mm with all accessories include concreting	Set	3	9,671.49	29,014.46
26	Erection of 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: 150mm dia	Mtr	100	236.10	23,610.32
Sub-Total of Part-B (Rs.)					41,59,470.11
Grand Total (Part-A+B+C)					1,67,63,267.33

