

इरकॉन इंटरनेशनल लिमिटेड



IRCON INTERNATIONAL LIMITED

(NAVRATNA COMPANY)

(A Govt. of India Undertaking)

An integrated Engineering and Construction Company

Project Office: Railway Electrification Northeast Frontier Railway Package 6, Tinsukia Project,
Poddar House, 4th Floor, KP Road, Chowki Dingee, Dibrugarh, Assam 786001, Project Email ID: ircon.5035@ircon.org



No. IRCON/5035/RE NFR PKG-6/004 - 3726

Date: 16.10.2025

To,
M/s Mega Electricals,
Ground Floor, Raj Apartment,
3 JB Road, Silpukhuri,
Guwahati-781003, Assam.
Contact No. +91-7099005990,
Email: megaelectricals@yahoo.com

(Sh. Umesh Chandra Boro)

Sub: "Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan GSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG - 6 of NFR in the state of Assam": **Letter of Acceptance.**

Ref: i) e-Procurement Notice No. IRCON/ELECT/5035/RE NFR PKG 6/OT/3 dated 11.08.2025,
ii) Corrigendum No. 1 dated 23.08.2025
iii) Corrigendum No. 2 dated 27-08-2025
iv) Corrigendum No. 3 dated 09-09-2025
v) Your Offer Letter No. ME/IRCON/TENDER/25-26/17A, dated 23/08/2025,
vi) Technical bid opened on 12.09.2025 and financial bid opened on 10.10.2025

Dear Sir,

With reference to above, this is to inform you that your offer for subject work has been accepted at a total contract value of ₹ 33,42,22,402.80 (Thirty Three Crore Forty Two Lakh Twenty Two Thousand Four Hundred Two and Eighty paise only), (i.e. (-)12.00% below the estimated cost of ₹ 37,97,98,185.00) inclusive of all applicable taxes & GST@18%, as per Annexure-A on following terms and condition.

1.0 SCOPE OF WORK:

The scope of work under the contract involves Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply

शेख आफताबुद्दीन/Sk. Aftabuddin

पंजीकृत कार्यालय: सी -4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017, भारत
Registered Office: C-4, District Centre, Saket, New Delhi-110017, INDIA
Tel.: +91-11-29565666, Fax: +91-11-26854800, 26522008

E-mail: info@ircon.org, Web: www.ircon.org

CIN - L45203DL1976GOI000171

भारत सरकार का उपक्रम/A Govt. of India Undertaking
रेल मंत्रालय/Ministry of Railways





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including Insurance, Delivery at site and subsequent storage, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line (Single circuit Transmission Line on Double Circuit Towers) as per Technical Specification from (1) Bokajan GSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam.

SN	From (Name of AEGCL Grid Sub-station)	To (Name of Railway Traction Sub-station)	Name of the concerned AEGCL Field Office
1	132 kV Bokajan GSS	Bokajan TSS	O/o The AGM, Golaghat Division, AEGCL
2	132 kV Diphu GSS	Diphu TSS	O/o The AGM, Golaghat Division, AEGCL

2.0 PERFORMANCE SECURITY:

The Performance Guarantee shall be in the form of irrevocable Bank Guarantee (BG) on the Performa annexed as Annexure-II of SCC from any Scheduled Bank for an amount of 5% (Five Percent) of the contract value i.e. **Rs. 1,67,11,121/- (Rupees One Crore Sixty Seven Lakh Eleven Thousand One Hundred Twenty One Only)** shall be submitted to the office of **Chief General Manager / Electrical, Project Head, RE NFR PKG-6, Tinsukia Project**, Address: Flat No-4A, 4th Floor, Poddar House, K.P. Road, Near Chowkidingee, Dibrugarh – Assam, Pin 786001 within 21 (twenty-one) days from the date of issue of Letter of Acceptance (LOA).

This BG shall be initially valid up to 60 days beyond the stipulated date of completion. In case, the time for completion of work get extended, the contractor shall get the validity of P.G extended to cover such extended time for completion of work plus 60 days.

3.0 CONTRACT AGREEMENT:

The successful bidder shall be required to execute a Contract Agreement with IRCON as per Annexure-I to SCC within 28 days of issue of Letter of Acceptance (LOA).

The stamp papers 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 contract.

शेख आफताबुद्दीन/Sk. Aftabuddin

मुख्य महाप्रबंधक/विद्युत/तिनसुकिया

Chief General Manager/Elect./TSK

पंजीकृत कार्यालय: सी -4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017 भारत
Registered Office: C-4, District Centre, Saket, New Delhi-110017, INDIA

IRCON INTERNATIONAL LIMITED (A Govt. of India Undertaking)

Tel.: +91-11-29565666, Fax: +91-11-28854000, E-mail: info@ircon.org, Web: www.ircon.org

CIN - L45203DL1976GOI008171





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 Poddar House, 4th Floor, KP Road, Chowki Dingee, Dibrugarh, Assam 786001, Project Email ID: ircon.5035@ircon.org

4.0 PROJECT COMPLETION SCHEDULE

The details of Project Completion Schedule shall be as per Clause No. 9 of SCC, Part-I, Section-V of the tender document.

The time allowed for execution of the complete works is 15 (Fifteen) Months from the date of issue of Letter of Acceptance by IRCON. The contractor shall submit the completion schedule for the entire work. The schedule shall be essence of the contract and have to be adhered for execution of the work.

The Contractor is expected to mobilize to the site of works and commence execution of the works within 10 (ten) days from the date of issue of Acceptance Letter by IRCON.

If the contractor commits defaults in commencing execution of the works as afore stated, IRCON shall without prejudice to any other right or remedy, be at liberty to forfeit fully the Earnest Money Deposit of the contractor.

The execution of work for both the transmission lines shall run parallelly. The contractor shall deploy adequate manpower and execution teams so as to complete both the lines within the completion schedule. Separate teams shall be simultaneously working at both the transmission line sites.

5.0 PROGRAMME OF WORKS

The details of **Programme Of Works** shall be as per Clause No. 10 of SCC, Part-I, Section-V of the tender document.

Within two weeks of issuance of this LOA you are required submit a program of works in the form of a Bar Chart/PERT Chart of all activities in consistence with the completion schedule of the work.

6.0 PAYMENT TERMS:

The Payment will be released to the contractor in accordance to Clause No. 15 of SCC, Part-I, Section-V of the tender document.

7.0 DEFECT LIABILITY PERIOD:

The Contractor shall guarantee satisfactory working of the installations erected and commissioned by him, for a period of Twenty-Four (24) months from the date of Completion against inadequacy in design, defective materials, and error in detailing





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work, faulty workmanship etc. in accordance to Clause No. 20 of SCC Part-I, Section-V "Defects Liability" of the tender document.

8.0 INSURANCE:

The Insurance policy shall be obtained & submitted by the contractor in line with Clause No. 21 of SCC, Part-I, Section-V of the tender document.

- 9.0** You are requested to immediately contact following officials for execution of works under this contract.

Chief General Manager / Electrical, Project Head, RE NFR PKG-6, Tinsukia Project,
 Address: Flat No-4A, 4th Floor, Poddar House, K.P. Road, Near Chowkidingee,
 Dibrugarh – Assam, Pin 786001, Email ircon.5035@ircon.org.

This letter will constitute a legal and binding contract between IRCON and M/s Mega Electricals, Guwahati till such time the formal contract agreement is signed.

This LOA is a brief of essential conditions of the tender. **For details, original tender document and corrigendums thereto may be referred.** All terms & conditions shall be as per the tender document & subsequent corrigendums 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.

Encl. BOQ and Schedule of Rates & Quantity as Annexure-A

Thanking you.

(Sk. Aftabuddin)

**Chief General Manager/Electrical/Tinsukia,
 IRCON INTERNATIONAL LIMITED**

शेख आफताबुद्दीन/Sk. Aftabuddin

मुख्य महाप्रबंधक/विद्युत/तिनसुकिया

Chief General Manager/Elect./TSK

(इरकॉन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)

(भारत सरकार का उपक्रम/A Govt. of India Undertaking)

रेल मंत्रालय/Ministry of Railways

Copy to:

1. CGM/Elect./Co-ordination/NDLS - for kind information please.
2. AGM/Electrical, RE NFR PKG-6, Tinsukia Project.
3. DGM/Finance, RE NFR PKG-6, Tinsukia Project.





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BILL OF QUANTITY (BOQ)



Name of Work: Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan TSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam.

Line Name - (1) 132 kV BOKAJAN GRID SUBSTATION TO BOKAJAN RAILWAY TSS

Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Name of the Bidder/ Bidding Firm / Company :		M/s Mega Electricals, Ground Floor, Raj Apartment, 3 JB Road, Silpukhuri, Guwahati-781003, Assam. Contact No. +91-7099005990, Email: megaelectricals@yahoo.com	
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PRICE SCHEDULE

NUMBER	TEXT	NUMBER	TEXT	NUMBER	ESTIMATED RATE IN RS.	NUMBER	TOTAL AMOUNT INCLUDING ALL TAXES IN RS.	TEXT
Sl. No.	Item Description	Quantity	Units					TOTAL AMOUNT In Words
1	2	3	4	5	6	7		
1.01	Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan TSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam. (Details as enclosed Annexure-A.1).	1.000	Lumpsum	37,97,98,185.00	37,97,98,185.00	Rupees Thirty seven crore ninety seven lakh ninety eight thousand one hundred eighty five Only.		
Total in Figures								
					37,97,98,185.00	Rupees Thirty seven crore ninety seven lakh ninety eight thousand one hundred eighty five Only.		
	Quoted Rate in Figures		Less (-)	12.00%	33,42,22,402.80	Thirty Three Crore Forty Two Lakh Twenty Two Thousand Four Hundred Two Rupees and Eighty paise only		
	Quoted Amount in Words	Thirty Three Crore Forty Two Lakh Twenty Two Thousand Four Hundred Two Rupees and Eighty paise only						

शेख आफताबुद्दीन/Sk. Aftabuddin
मुख्य महाप्रबंधक/विद्युत/तिनसुकिया 16/10/2025
Chief General Manager/Elect./TSK
(इस्कोन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)
(भारत सरकार का उपक्रम/A Govt. of India Undertaking)
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Name of Work: Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan GSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam.

Line Name - (1) 132 kV BOKAJAN GRID SUBSTATION TO BOKAJAN RAILWAY TSS

Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%)

BOQ Summary

SN	Description	Amount (Rs)
1	132kV Tower, Conductor & its Accessories (Sch. A)	25,04,75,879.68
2	132kV Cable & its Accessories (Sch. B)	6,55,71,274.05
3	132kV Monopole & its Accessories (Sch. C)	5,24,71,650.50
4	Supply & Installation of OPGW & its Accessories (Sch. D)	1,12,79,380.75
Total Amount in Rs. (including all taxes, duties, levies, cess and GST@18%)		37,97,98,184.98
Rounded-off Total Amount in Rs. (including all taxes, duties, levies, cess and GST@18%)		37,97,98,185.00
Quoted Rate		12.00% below
Accepted Total Amount in Rs. (including all taxes, duties, levies, cess and GST@18%)		33,42,22,402.80

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मुख्य महाप्रबंधक/विद्युत/तिनसुकिया
Chief General Manager/Elect./TSK
(इस्कॉन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)
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Line Name - (1) 132 kV BOKAJAN GRID SUBSTATION TO BOKAJAN RAILWAY TSS
Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%)

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
A.	132kV Tower, Conductor & Accessories				
1	To Carry out Preliminary / Walkover survey followed by on the spot detailed survey by a registered survey agency, check survey etc., as required and submission of survey report with the profile and tower schedule etc as per specification.	km	15	34,915.00	5,23,725.00
2	Submission of profile & route alignment drawing & design alongwith type of tower, bill of materials, Tower Foundation Design & Drawings on the basis of soil bearing capacity, complete in all respect (execution of work at site shall only be started after approval of the survey report and drawings by the appropriate authority)	Set for each Tower	55	36,017.00	19,80,935.00
3	Excavation of earth for foundation of all depth and for all places, nature & condition of soil, including shoring & shuttering, de-watering & refilling the pits after completion of foundation works from excavated earth or borrowed pits & removal of surplus earth soil within a distance of 100mts away from tower.	Cum	12000	325.25	39,03,000.00
4	Supply & laying of PCC foundation upto plinth in ratio 1:1.5:3 by cement of Grade - OPC 53, sand and chips of 19mm or less with centering, shoring, shuttering, mixing, placing levelling, carrying and removal of form work for foundation by contractor's own arrangement EHT Tower.	Cum	11.75	21,471.50	2,52,324.48
5	Providing and laying of concrete for foundation and plinth in all types of Soils using M-10 grade concrete (1:3:6) inclusive of all material viz cement (OPC 43 or 53 G), sand, aggregate, water, T&P, shoring, shuttering, mixing, levelling, carrying etc.	Cum	229.54	9,204.00	21,12,717.45
6	Supply & laying of RCC foundation upto plinth in ratio 1:1.5:3 by cement of grade- OPC 53, sand and chips of 19mm or less with centering, shoring, shuttering, mixing, placing levelling, carrying and removal of form work for foundation by contractor's own arrangement for EHT Tower or Retaining wall (without reinforcement steel).	Cum	1945	23,372.00	4,54,58,540.00

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मुख्य महाप्रबंधक/विद्युत/तिनसुकिया

Chief General Manager/Elect./TSK

(इसकोन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)

(भारत सरकार का उपक्रम/A Govt. of India Undertaking)

रेल मंत्रालय/Ministry of Railways



IRCON INTERNATIONAL LIMITED
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BILL OF QUANTITY (BOQ)

Name of Work: Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan GSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam.

Line Name - (1) 132 kV BOKAJAN GRID SUBSTATION TO BOKAJAN RAILWAY TSS

Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
7	Supply & erection of steel reinforcement of size above 6mm and upto 25mm dia by TMT steel as per drawing & design for foundation of towers / Retaining wall.	MT	110	1,51,349.00	1,66,48,390.00
8	Supply & fixing of stub setting angles complete (Partially galvalised) with cleats fixture of each set consisting four nos for individual tower.	MT	17	1,90,287.50	32,34,887.50
9	Supply & fixing of stub setting templates complete with plates and fixtures for tower foundation.	MT	2	1,65,194.25	3,30,388.50
10	Supply, fabrication and erection of galvanised lattice steel tower superstructure complete in all respect excluding (stab & its bolts with nuts) as per IS-2062 including application of Zincochrome paints upto bottom cross arm level. Design of tower with details of members including drawing should be got approved from the concerned AEGCL/ IRCON/ Railway authority before fabrication and starting foundation work at site for all the locations	MT	350	1,95,521.00	6,84,32,350.00
11	Supply & fixing galvanised nuts, bolts with spring washer conforming to the latest relevant standard as per IS-2633-1972 and approval should be obtained from AEGCL/ IRCON/ Railway authority before execution of the work.	MT	20	2,22,254.50	44,45,090.00
12	Welding of all nuts & bolts upto cross arm of tower/Monopole by contractors own arrangement.	Each Tower	55	14,085.50	7,74,702.50
13	Supply & erection of Danger plate	Nos	55	468.50	25,767.50
14	Supply & erection of Phase plate	Nos	110	468.50	51,535.00
15	Supply & erection of Number plate	Nos	55	351.75	19,346.25
16	Supply & erection of Anticlimbing device for each tower	Each Tower	55	1,875.75	1,03,166.25
17	Supply & erection of Bird guard for each tower	MT	1	1,39,065.25	1,39,065.25

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Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%)

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
18	Supply, erection of Suspension / Tension type Disc insulator 120 KN as per IS-731 (1971) with latest amendments with all accessories.	Nos	2500	1,514.75	37,86,875.00
19	Supply & erection of Double Suspension/ tension hardware fitting (compression type) for panthar conductor	Nos	40	9,196.25	3,67,850.00
20	Supply & erection of Single Suspension/ tension hardware fitting (compression type) for panthar conductor	Nos	180	8,381.25	15,08,625.00
21	Supply, stringing & binding of AAAC/Panther of size 37/3.15 mm as per IS- 396/1976 with latest amendments.	Meter	28000	971.50	2,72,02,000.00
22	Supply & installation of earth bond with copper lugs	Nos	112	997.75	1,11,748.00
23	Supply & installation of armoured rod	Nos	12	4,565.50	54,786.00
24	Supply, erection & grounding of tower (measurement of earth resistance) by 50mm dia, 4.05mm thickness, heavy gauge GI pipe of length 3 mtr including construction of earth pit, RCC earth cover slab with filling/mixing of salt, charcoal etc of required quantity connected with 75x6mm GI strip & GI nuts& bolts and earth continuity by 25x3mm GI strip with GI nuts bolts washer etc.including welding, earth resistance flag etc. & as per Technical Specification No. NFR/ELECT/GS/10(EARTHING SYSTEM).	Nos	220	10,864.25	23,90,135.00
25	Supply & installation of Vibration damper 4R type suitable for panther conductor.	Nos	220	1,240.00	2,72,800.00
26	Carrying of tower materials and PCC/RCC foundation materials including steel reinforcement etc. manually (on foot) in hilly terrain, through deep forest, water logged areas etc. from approach road to site (Min approx. distance 900 mtr inside jungle/hilly terrain/ water logged areas).	MT-km	2500	1,441.00	36,02,500.00

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Chief General Manager/Elect./TSK
(इरकॉन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)
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Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
27	Dewatering of foundation pit for tower in submersible soil with suitable pumping and dyke arrangement.	Each Tower	55	3,113.50	1,71,242.50
28	Carry out exploratory boring as per specification and carry out standard penetration tests as directed by the Engineer for the undernoted depth below the bed level or below any other level as required during execution of the works with contractor's own labours, materials, equipments, plants etc. and submission of report with calculation & result of soil bearing capacity.			-	
a	In dry bed or marshy land having water depth upto 1.0 mtr above the bed from the bed level up to required depth from bed level.	RM	1000	3,152.25	31,52,250.00
b	Extra for collecting undistributed soil sample from any depth and for tests on undisturbed soil sample - one sample at every 1.5 mtr depth of bore and change of strata including submission of tests result for taking all soil samples.	Each	150	219.50	32,925.00
29	Supply & execution of brick work with 250mm 1st class brick including cost of sand & cement, plastering of required thickness as per relevant standard.	Cum	250	7,466.00	18,66,500.00
30	Construction of PILE foundation including all Labour, material equipment, excavation shuttering, head loading, back filling etc complete for handling, placing, levelling, curing etc complete inclusive of cost of transportation batching, mixing cement and reinforcement steel.			-	
(i)	Construction and supply of all materials & labours of temporary island/platform to facilitate the construction of foundation including making approach road to the site, platform for storage of construction materials such as stone chips, sand, cement, steel reinforcement bar, mixture machines, tools & plants all foundation materials keeping & mixing, minimum size of island/platform is 13.00 m X 13.00 m (as per site condition).	Nos	2	17,47,283.50	34,94,567.00

शेखर अशोकनाथुन/शेखर अशोकनाथुन

मुख्य महाप्रबंधक/विद्युत/सिंचाई/सुरक्षा

Chief General Manager/Elect./TS&S

(इरकॉन इंटरनेशनल लिमिटेड/IRCON INTERNATIONAL LTD.)

(भारत सरकार का उपक्रम/A Govt. of India Undertaking)

रेल मंत्रालय/Ministry of Railways



IRCON INTERNATIONAL LIMITED

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BILL OF QUANTITY (BOQ)



Name of Work: Route Alignment, Detailed Survey, Check Survey, Design (as applicable), Engineering, Manufacturing, Assembly, Inspection, Civil Foundation work, Erection, Testing and Commissioning of 132 kV, Two Phase Transmission Line from (1) Bokajan GSS to Bokajan TSS and (2) Diphu GSS to Diphu TSS, in connection with Railway Electrification Work under PKG – 6 of NFR in the state of Assam.

Line Name - (1) 132 kV BOKAJAN GRID SUBSTATION TO BOKAJAN RAILWAY TSS

Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
(ii)	Boring, providing and installation of bored cast in situ pile of specific diameter below the pile cap with M25 grade of cement concrete including the cost of reinforcement steel, cost of boring with temporary guide casting bentonite solution (Length of the pile for payment shall be measured from the bottom of pile cap). All necessary labour materials plants, tools and tackles etc. complete as necessary for proper execution of the job. 400mm-750mm diameter RCC vertical bored pile up to 15 metre from the bottom of the pile cap. The unit rate should include excavation, dewatering, socketing, anchoring (if required), Backfilling, form work for placing plain or reinforced concrete cement, supply & providing MS liner of 6mm thick in piles up to 10 metre depth from the bottom of the pile cap, conducting standard penetration test and integrity test. Each leg will require 3 nos RCC bored piles of 400mm diameter i.e 12 piles for each tower foundation. (Payment will be made as per actual length of the piles as per site condition necessity and approved drawings)	m	850	50,321.75	4,27,73,487.50
(iii)	Providing and laying in M 25 grade concrete of specified 28 days strength for pile cap (size of the pile cap 2300x2300x1000mm) chimney and tie beam including reinforcement steel form work all necessary materials and equipments, transportation, batching, mixing, vibrating, dewatering etc. Complete.	Cum	350	31,451.00	1,10,07,850.00
31	Jumpering of conductor from terminal of TSS to Tr. Line and GSS terminal to Tr. Line including jumper conductor & suitable connectors etc.	Set	8	15,238.00	1,21,904.00
32	Jumpering of conductor from terminal of 120kV LA at TSS to Tr. Line and LA of GSS terminal to Tr. Line including jumper conductor & suitable connectors etc.	Set	8	15,238.00	1,21,904.00
Sub - Total: (A)					25,04,75,879.68

शेख आफतुद्दीन/Sk. Aftabuddin

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Chief General Manager/Elect./TSK

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Rates are inclusive of all taxes, duties, levies, cess and GST@18%

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
B.	132kV Cable & Accessories				
33	Design, manufacture, supply, F&I, unloading at site/store etc. complete in all respect for single core 400 mm ² 132 kV XLPE (Cu) underground armoured cable as per technical specification	m	3000	10,139.50	3,04,18,500.00
34	Supply of 160 mm HDPE PLB Duct for laying of cable	m	1500	891.00	13,36,500.00
35	Laying of single core 400 mm ² 132 kV XLPE (Cu) underground cable by HDD method using HDPE PLB Duct as per technical specification	m	1500	2,621.00	39,31,500.00
36	Construction of underground Cable Trench including excavation, sand back filling and laying, testing & commissioning of single core 400 mm ² 132 kV XLPE (Cu) - 3 run and Bonding Cable in trench and installation of RCC slab including supply of sand & RCC slab	RM	500	17,472.75	87,36,375.00
37	Supply of 132 kV Outdoor Dry type Cable Termination kit Suitable of 1Cx 400 Sq.mm XLPE CU Conductor	Nos	6	9,23,302.75	55,39,816.50
38	Installation of 132 kV Outdoor Dry type Cable Termination kit Suitable of 1Cx 400 Sq.mm XLPE CU Conductor	Nos	6	3,18,600.00	19,11,600.00
39	Supply of 132 kV Outdoor type, heat shrinkable, Cable Termination kit Suitable of 1Cx 400 Sq.mm XLPE CU Conductor	Nos	6	3,80,231.50	22,81,389.00
40	Installation of 132 kV Outdoor type, heat shrinkable, Cable Termination kit Suitable of 1Cx 400 Sq.mm XLPE CU Conductor	Nos	6	95,057.75	5,70,346.50
41	Supply of Single Phase Link Boxes with / without SVL suitable for above 1C x 400 sqmm 132 kV XLPE (Cu) underground Cable for earthing at cable sealing end terminations and straight through joint with all related accessories as required.	Nos	8	1,33,667.25	10,69,338.00

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Line Name - (2) 132 kV DIPHU GRID SUBSTATION TO DIPHU RAILWAY TSS

Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

Rates are inclusive of all taxes, duties, levies, cess and GST@18%)

132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
42	Erection of Single Phase Link Boxes with / without SVL suitable for above 1C x 400 sqmm 132 kV XLPE (Cu) underground Cable for earthing at cable sealing end terminations and straight through joint with all related accessories as required.	Nos	8	43,682.00	3,49,456.00
43	Supply, F&I of 3.3 kV Single Core Bonding Cable (300 sqmm grade)	m	2000	1,782.25	35,64,500.00
44	Supply, F&I of cable route marker, cable tags, cable phase identification band, jointing marker, clamp connector trefoil clamp of nylon with neoprene gasket, warning tape, lugs, danger plate, phase plate, circuit marker etc. complete in all respect	Lot	3	8,91,114.50	26,73,343.50
45	Installation of miscellaneous items like cable route marker, cable tags, cable phase identification band, jointing marker, clamp connector trefoil clamp of nylon with neoprene gasket, warning tape, lugs, danger plate, phase plate, circuit marker etc. complete in all respect	Lot	3	2,62,092.50	7,86,277.50
46	Testing & Commissioning of installed cable & earthing system	Lot	3	4,36,820.75	13,10,462.25
47	Supply, F&I of 120 kV Lightning Arrester with Surge Monitor and all accessories complete	Set	6	1,46,155.80	8,76,934.80
48	Erection of 120 kV Lightning Arrester with Surge Monitor and all accessories complete	Set	6	35,822.50	2,14,935.00
	Sub - Total: (B)				6,55,71,274.05
C.	132kV Monopole & its Accessories				
49	Designing of 132 kV D/C, M/C steel Monopole Structure as per approved profile & as per direction of Engineer -in-charge and confirming to latest applicable Indian/ International standard and submission of its Design obtaining the approval of the monopole structure from Indian Institute of Technology (IIT) and submission of the same to IRCON/AEGCL.	Nos	2	1,54,522.75	3,09,045.50

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Tender No: IRCON/ELECT/5035/RE NFR PKG-6/OT/3 Dated 11.08.2025

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132 kV Transmission line work

S. No.	ITEM DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.
50	Supply of 132 kV DC Monopole PD(30°-60°) (Included for All Structural Components of The Pole, Anchor Bolts, Anchor Plate and Template Etc As Required)	MT	120	2,51,900.00	3,02,28,000.00
51	Supply of 132 kV DC Monopole PD/DE CTP(60°-90°) (Included for All Structural Components of The Pole, Anchor Bolts, Anchor Plate and Template Etc As Required)	MT	60	2,51,900.00	1,51,14,000.00
52	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	CUM	890	207.00	1,84,230.00
53	Centering and shuttering including strutting, propping etc. and removal of form work and finishing for Foundations, footings, bases for columns as per directions of Engineer-In-charge for Monopole	SqM	60	434.50	26,070.00
54	Erection of Monopole of 132 kV DC Including All Work Above Ground Level of following Mono Pole			-	
(i)	132 kV DC Monopole PD(30°-60°) upto 45Mtr	Nos	6	7,84,069.00	47,04,414.00
(ii)	132 kV DC Monopole PD/DE CTP(60°-90°) upto 45Mtr	Nos	2	7,84,069.00	15,68,138.00
55	Designing of Foundation of Monopole Structure considering all possible mechanical loadings on the Monopole Structure under extreme conditions as per directions of Engineer-In-charge and obtaining the approval of the Foundation Design from Indian Institute of Technology (IIT) and submission of the same to IRCON/AEGCL.	Nos	2	1,68,876.50	3,37,753.00
	Sub - Total: (C)				5,24,71,650.50

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शेख अहमद मुन्सिफ/SC-Ahmedabad
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