



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं० : एएआई/इएनजीजी/ उप.महाप्रबंधक (इ-इ)/जीएचटी- सीडब्ल्यू-20/2020-21
FILE NO. : AAI/ENGG/DGM(E-E)/GHT-CW-20/2020-21

दिनांक 22.03.2021
DATE 22.03.2021

सेवा मे / To,

मैसर्स सिंघी इंफ्रापावर प्रोजेक्ट्स प्राइवेट लिमिटेड/ M/s. Singhi Infrapower Projects Pvt. Ltd.,
सिंघी हाउस/ Singhi House, राजा मैदाम रोड/ Raja Maidam Road,
जोरहाट, असम / Jorhat – 785001, Assam .

विषय/Subject:- Provision of Four Pole Structure along with AB switches for terminating 33KV HT cables at LGBI Airport, Guwahati.

संदर्भ /Ref : 1) नि. सं व / NIT No.: AAI/ENGG/SM(E-E)/GHY/NIT-15/2020-21/161-69; Date : 09.02.2021.
(Tender ID-2021_AAI_69211_1)
2) टेंडर खुलने का दिनांक / Your tender opened on 08.03.2021

महोदय / Dear Sir,

- उपर्युक्त कार्य के लिए आपका इ टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 24,62,320.00 (चौबीस लाख बासठ हजार तीन सौ बीस रुपये मात्र) (जी.एस.टी. रहित) है जो कि अनुमानित राशि रु. 26,85,107.00 से 8.30% प्रतिशत कम है, को एतद्वारा स्वीकार किया जाता है।
Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 24,62,320.00 (Rupees Twenty Four lakh Sixty Two Thousand Three Hundred Twenty Only) exclusive of GST** which is **8.30% BELOW** the estimated cost put to tender of **Rs. 26,85,107.00**.
- उप. महाप्रबंधक (इंजी.-विद्युत), भा.वि.प्रा. लो.गो.ब.अ. हवाई अड्डा, गुवाहाटी-781 015, कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि आप अपना प्रत्यायित प्रतिनिधि जिसे कि आप की ओर से संविदा करार पर हस्ताक्षर करने की शक्ति दी गई है को उप. महाप्रबंधक (इंजी.-विद्युत) के कार्यालय में करार पर हस्ताक्षर करने के लिए दिनांक **05.04.2021** तक नियुक्त करें। संविदा करार रु 100/- के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपको ही वहन करनी होगी।
Dy. General Manager (Engg.-E), AAI, LGBI Airport, Guwahati-781 015, shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of the **Dy. General Manager (Engg.-E) by 05.04.2021** to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.100/- (Rupees Hundred only)** and the cost of the stamp paper shall be borne by you.
- कृपया इस पत्र के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु 2,46,232.00 (दो लाख छियालीस हजार दो सौ बत्तीस रुपये मात्र) जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज पृष्ठा 64 पर दी गई शर्त **Clause 1A** के अनुसार आपके बिल से काट दी जाएगी।
Please deposit **Rs 2,46,232.00 (Rupees Two Lakh Forty Six Thousand Two Hundred and Thirty Two Only)** towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your bill as per the **Clause 1A of condition of contract at page no. 64** of the contract document.

क्रमशः2/-

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियमों 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिकों (रोजगार और सेवा की स्थिति का विनियमन) के प्रावधान का पालन करें।) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अधिनियम 1996, जो कि केंद्र और राज्य सरकार के नियमों के जीसीसी निविदा, 19 के पेज नंबर 95 में निर्दिष्ट है।
You are requested to comply with the provision of Contract labour (Regulation and Abolition) Act 1970 and contract labour (Regulation and Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers welfare Cess Act 1996 as specified in Clause 19 on page no 95 of GCC of tender and rules of Central and State Government..
5. आपको निर्देश दिए जाते हैं कि आप वरिष्ठ प्रबंधक (इंजी.-विद्युत), भा.वि.प्रा. लो.गो.ब.अ. हवाईअड्डा, गुवाहाटी-781 015, से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल सुपर्द करने की व्यवस्था करेंगे।
You are also directed to contact **Senior Manager (Engg.-E), AAI, LGBI Airport, Guwahati-781 015**, immediately who will arrange to handover the site to you.
6. कृपया यह नोट करें कि काम करने का समय **4 (चार) महीने** है जिसे इस पत्र के जारी होने की तारीख के दस **(10) दिन** बाद से गिना जाएगा।
Please note that the time allowed for carrying out the work is **Four (04) Months**, which shall be reckoned from the **10th day** of issue of this letter.
7. दोष दायित्व अवधि के अनुबंध के कार्यों के पूरा होने की तारीख से बारह **(12) महीने** है, संविदा दस्तावेज के अनुसार पृष्ठ **SPC (Elect) -7** के खण्ड **30** पर दी गई है।
Defect liability period of the contract is **TWELVE (12) MONTHS** from the certified date of completion of work as per clause No 30 of special conditions at page no- **SPC (Elect) -7 of contract document**.
8. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः प्रभारी इंजीनियर, से किया जाए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.
9. कृपया इस आदेश की प्रति को स्वीकार करें और स्वीकृति के एक टोकन के रूप में अधिसंख्यता पर हस्ताक्षर करने के बाद इसके साथ संलग्न इस पत्र की डुप्लिकेट प्रतिलिपि वापस करें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

भवदीय / Yours faithfully,



(B.N. Ghatare)

उप. महाप्रबंधक (इंजी.-विद्युत)
Dy.General Manager (Engg.-E)
कृते अध्यक्ष की ओर से
For and on behalf of Chairman
भारतीय विमानपत्तन प्रधिकरण
Airports Authority of India.

Encl : Schedule of Quantities.



AIRPORTS AUTHORITY OF INDIA
LGBI AIRPORT, GUWAHATI-15.
ENGINEERING WING (ELECTRICAL)

Schedule of Quantity

Name of work : Provision of Four Pole Structure along with AB switches for terminating 33KV HT cables at LGBI Airport, Guwahati.

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
SH I : Provision of 33 KV Four pole Structure					
1	Supply and Erection of Steel tubular circular cross section swaged type G.I poles (Type designation : 410-SP66) conforming to IS: 2713 (Part-I and III): 1980 amended upto date having overall length of 12.0 meters, duly welded with MS/GI base plate of size 500 mm X 500 mm X 10mm thick at the bottom, painting with two coats of bituminous black paint upto planting height (i.e., below ground level) complete as required as per approved drawings and specifications.	4.00	Each	38000.00	152000.00
2	Providing RCC foundation for erection of swaged Poles including excavation (all kinds of soil including concrete/bitumenous surfaces), making base foundation with cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), providing centering and shuttering including strutting, steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete, providing reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) and filling available excavated earth (excluding rock) & disposal of excess excavated soil at a distance of 50 mtrs. etc., complete as required as per attached drawings and as per the directions of E.I.C.	4.00	Job	4000.00	16000.00
3	Providing and making round Tubular pole collar of 0.40 mtrs dia. X 0.50 mtrs above ground level all around the pole with cement concrete of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) including form work, plastering, painting with two coats of water proofing cement paint etc., complete as required.	4.00	Each	500.00	2000.00
4	Supplying and erection of Galvanised stay set complete with 20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, turn buckle, 7/4.00 mm dia G.I. stay wire and strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. complete as per specifications and as required.	4.00	Each	2000.00	8000.00

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
5	Supply, fabrication and erection of Galvanized Channel/Angles for mounting switchgears/ Insulators/ Lightning Arrestor/ D.O Fuse on the four pole structure including cutting, hoisting, welding, drilling holes, fixing in position along with necessary accessories such as clamps, nuts, bolts, washers etc. complete as required as per approved drawing and specifications.(Note: For payment purpose only weight of structural steel members shall be considered excluding fixing accessories such as clamps, nuts, bolts, fasteners etc.)	1210.00	Kg	80.00	96800.00
6	Supplying and Erection of explosion type Drop Out Fuse with polymer insulator having nominal system voltage of 33kV, rated current of 200 Amps, mounting arrangements for fixing on cross arms/channels including drilling holes for insulator fittings, tightening with G.I bolts, nuts, washers etc., complete as per specifications and as required. (1Set of three numbers for 3 phase system).	3.00	Set	20000.00	60000.00
7	Supplying and Erection of 33 KV, 600 Amps double break, centre rotating type, OFF load Isolator with gang operated earth switch, complete with heavy duty and self aligning type, spring loaded fixed contacts and tubular blades forming the moving contacts made from high conductivity hard drawn electrolytic copper, GI phase coupling shaft, GI operating rods of suitable length with handle, polymer insulators, GI base channel, 7/8mm dia GI rod with spring assisted for arching horn etc., complete as per specifications and as required. (1 set of three number for 3 phase system)	3.00	Set	50000.00	150000.00
8	Supplying and Erection of Metal oxide Non-Linear resistor, station class gapless type heavy duty lightning arrestor having polymer housing for the insulator suitable for 3 wire, 33 KV overhead lines with continuous operating voltage of 30 KV with a nominal discharge current rating of 10 KA (station class), complete with mounting arrangement, G.I. bolts, nuts, washers etc. complete as per specifications and as required. (Set of three numbers for 3 phase system).	2.00	Set	45000.00	90000.00
9	Supplying and Erection of 33 kV (10 KN) Polymer pin insulator complete with long steel head G.I. pin, nuts, washers etc. complete as per specifications and as required.	9.00	Each	1000.00	9000.00
10	Supplying and Erection of AAAC Dog Conductor (100 sq mm) complete with binding at existing insulator, jointing, jumpering, teeing off connecting and clearing of obstacles etc. complete as per specifications and as required.	72.00	Meter	60.00	4320.00

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
11	Supply and erection of 1.5 inch (Nominal size) Aluminium Tubular Busbar made out of Schedule-40 grade Aluminium Pipe along with post insulators, necessary mounting arrangements, necessary connectors for making connections between pipe bus and conductors (AAAC Dog), painting for identification of phases etc complete as per specifications and as per direction of E-I-C.	30.00	Meter	200.00	6000.00
12	Providing and fixing of 33 KV H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	4.00	set	100.00	400.00
13	Dismantling of existing Cement / M.S Poles of H.T Double pole structure embedded in cement concrete foundation including dismantling the switchgears, fuses, over head conductor, G.I. wire, cross arms/ mounting supports, insulators etc. & shifting the same to the dismantle store/yard upto a distance of 100 mtrs etc., complete as required as per the directions of EIC.	2.00	Job	5000.00	10000.00
SH II : SITC OF HT VCBs & LBS PANEL					
14	Supply & Installation of 630A, 33KV Vacuum Circuit Breaker(Trolley mounted) of Kirloskar Make (Type VRK36-3) suitable for operation on 33KV, 3 Phase, 50 Hz A.C. supply in the existing 33 KV HT VCB Panel (Type : S36 VCB), testing and commissioning by OEM or their Authorised Indian associate/ system integrator, transportation, loading, unloading etc., complete with the following parameters and as per specifications: (a) Rated Voltage : 33 KV (b) Rated Current : 630 Amps (c) Breaking Capacity : 25 KA (d) Form : GM (e) Spec : IEC 56 (f) Pole : 3 (g) Rated Frequency : 50 Hz (h) Closing/ Tripping coils operating voltage : 110 V DC (i) Operating gear type : Motor & Manual (j) Motor Voltage : 230 V AC	1.00	Each	600000.00	600000.00

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
15	Supply & Installation of 1250A, 11KV Vacuum Circuit Breaker (Trolley mounted) of Kirloskar Make (Type C-500) suitable for operation on 11 KV, 3 Phase, 50Hz A.C. supply in the existing 11KV HT VCB Panel (Type : A12 650 VCB) testing and commissioning by OEM or their Authorised Indian associate/ system integrator, transportation, loading, unloading etc., complete with the following parameters and as per specifications: (a) Rated Voltage : 11 KV (b) Rated Current : 1250 Amps (c) Breaking Capacity : 25 KA (d) Form : GM (e) Spec : IEC 56 (f) Pole : 3 (g) Rated Frequency : 50 Hz (h) Closing/ Tripping coils operating voltage : 110 V DC (i) Operating gear type : Motor & Manual (j) Motor Voltage : 230 V AC	1.00	Each	600000.00	600000.00
16	Supplying, Installation, Testing & Commissioning of Outdoor Type Floor mounted 11KV Load Break Switch (LBS) single panel board with enclosure protection class IP 54 or higher of cubical construction with double door and top canopy having capacities as mentioned below for use on 3 phase, 11KV, 50 Hz AC supply, fabricated out of CRCA sheet steel of 2mm thick for enclosures and covers, 3mm thick for base frame and gland plates including cleaning & finishing complete with 7 tank process and powder coating in approved shade, high conductivity copper bus bars of 630 Amps capacity, space heaters, thermostat, control MCBs, control wiring, common copper earth bar of size 50mm X 5 mm and equipped with the following switchgear and accessories, suitable bus bar arrangement for connections of 3 runs of 1 Core X 185 Sq.mm XLPE cables (Incoming) and 3Core X 120 Sq.mm XLPE cable (outgoing) of grade 11KV (cable entries from bottom) including testing and commissioning by OEM or their Authorised Indian associate/ system integrator, providing civil platform consisting of cement concrete pedestal/foundation, plastering the outer surfaces, excavation & disposal of surplus soil/ hardrock etc., complete as required as per specifications. (1) 11KV, 630A, 21kA for 3sec, Load Break Switch having manual Operated Spring Charge & Closing Mechanism with Earth Switch fitted, HT HRC Fuses of suitable rating, 2 NO+2NC Auxillary Switch, Mechanical ON/OFF Indicators, Mechanical Trip with Push button, Electrical Trip with 230V AC Shunt Trip coil & hand trip device, Mechanical Interlock between Earth and Main Switch - 01 Set (ii) 9KV 10 KA Station class polymer type Surge arrestors - 01 Set (Set of 03 Nos.) (iii) LED indication lamps for LBS ON & OFF - 01 Set	1.00	Each	300000.00	300000.00

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
	SH III : HT cabling works				
17	Supplying of 250 mm (OD) HDPE pipe of PE-80 grade, PN-6 rating, ISI marked etc conforming to IS:4984 with upto date amendments complete as required as per specifications.	100.00	Meter	1100.00	110000.00
18	Laying of DWC/HDPE (High Density Polyethylene) of 250mm dia HDPE pipe along with accessories like bends, couplers, sockets including fitting and cutting, jointing with adhesive/solvent etc, direct in ground for the following type of surfaces				
18.1	under soft soil (1.2 mtr below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	75.00	Meter	500.00	37500.00
18.2	under hard/concrete/bituminous surface (1.2 mtr below ground level), dismantling/breaking all types of surfaces, excavation and refilling the trench, finishing the top layer with 6" cement concrete etc., complete as required.	25.00	Meter	1000.00	25000.00
19	Laying of one number XLPE power cable of 33 kV grade of 3 Core X 185 sq.mm size in the existing RCC/ HUME/ METAL/HDPE pipe as required.	100.00	Meter	500.00	50000.00
20	Laying of one number XLPE power cable of 33 kV grade of 3 Core X 185 sq.mm size in the existing masonry open duct as required.	65.00	Meter	200.00	13000.00
21	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of 3 Core X 120 sq.mm / 3 runs of 1 Core X 185 sq.mm size in the existing masonry open duct as required.	35.00	Meter	100.00	3500.00
22	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of 3 Core X 120 sq.mm / 3 runs of 1 Core X 185 sq.mm size in the existing RCC/ HUME/ METAL/HDPE pipe as required.	15.00	Meter	100.00	1500.00
23	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for 3 Core X 185 Sq. mm, XLPE aluminium conductor cable of 33 kV grade as required.	2.00	Set	4000.00	8000.00
24	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 3 Core X 185 Sq. mm, XLPE aluminium conductor cable of 33 kV grade as required.	5.00	Set	5000.00	25000.00

Sl.No.	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
25	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for the following grades of XLPE aluminium conductor cables as required				
25.1	1 Core X 185 sq. mm (11 KV grade)	3.00	Set	5000.00	15000.00
25.2	3 Core X 120 sq. mm (11 KV grade)	2.00	Set	5000.00	10000.00
25.3	3 Core X 185 sq. mm (33 KV grade)	1.00	Set	10000.00	10000.00
26	Retreiving of one number PVC/XLPE insulated and PVC sheathed aluminium conductor cable of 33 KV grade of 3core X 300 Sq. mm size cable from the existing closed duct/RCC/ HUME/ METAL pipe/HDPE pipe/ GI pipe including checking the physical damage of cable etc. as reqd.	25.00	Meter	100.00	2500.00
SH IV : Earthing					
27	Earthing with GI earth plate 600mm x 600mm x 6.0mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	4.00	Set	8000.00	32000.00
28	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	30.00	Meter	200.00	6000.00
29	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections including welding/clamping on pole/channels etc. as required.	88.00	Meter	100.00	8800.00
Total Rs. (excl. GST)					24,62,320.00

(Rupees Twenty Four Lakh Sixty Two Thousand Three Hundred Twenty Only excluding GST)

Note : Applicable GST shall be paid extra on production of valid tax invoice.

R. Ghosh
22/3/2021

Dy. General Manager (Engg-Elect)
AAI,LGBI Airport, Guwahati

Signature Not Verified

Digitally signed by ARUNKUMAR
KRISHNANACHARI
Date: 2021.03.30 16:59:15 IST
Location: eProcurement System for
Central PSUs