



Work Order

Ref: AAI/JH/AGM (E-E)/Conn. Form NDB to SS/WO-15/2021/ 452

Dt.: - 17.05.2021.

By: email /Speed-post / Register with AD/ Hand

M/s Jaydeep Agency Corporation,

B-814, 8th Floor, B.G. Tower,

O/s Delhi Gate, Shahibag Road,

Ahmedabad - 380004,

Telephone: - 91-079-25620217,

E-mail: - jaydeepdiesel@gmail.com.

Ref.: -

1. e - NIT No. 2021_AAI_69693_1.
2. Your Tender opened on 05.04.2021.
3. Clarification Letter No & Date.: - AAI/JH/AGM (E-E)/NDB/2021-22, Dt.: - 09.04.2021.

Name of Work: - Connection of Power Supply to NDB Building from New Substation at V.S.S Airport, Jharsuguda.

Dear Sir,

1. Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 64,96,500.00/-** (Sixty-Four Lakhs Ninety-Six Thousand Five Hundred only), excluding GST, which is 25.71% below the estimated cost put tender of Rs. 87,45,368.00/- only.
2. Asstt. General Manager (Engg. El), AAI, VSS Airport, Jharsuguda shall be the Engineer-In-Charge of the work and Manager / Jr. Exe. (Engg. -E), AAI, VSS Airport, Jharsuguda shall be his authorized representative.
3. You are requested to attend the office of the Asstt. General Manager (Engg. El), AAI, VSS Airport, Jharsuguda by 27.05.2021 to sign and complete the contract agreement. The contract agreement shall be executed on **non-judicial stamp paper of Odisha Govt. of value Rs.100/-** (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
4. The Earnest Money Deposit (EMD) of Rs. Nil (exempted EMD Declaration in Company letter head 'Annexure-A') received along with the tender will be treated and converted as part of Security Deposit as per condition of clause 14 / IV of GCC (General Rules and Directions) of the contract document. Please deposit **Rs. 6,49,650.00/-** (Rupees Six Lakhs Forty-Nine Thousand Six Hundred Fifty) only towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per condition of clause no. 1A of GCC of the contract document.
5. You are requested to comply with the provision of contract labor (Regulation and Abolition) Act of 1970 and contract labor (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules there of Central and State Govt.

वीएसएस हवाई अड्डा

VSS Airport

पो: दुर्लगा, झारसुगुडा- 768 २०४, ओडीशा

Po: Durlaga, Jharsuguda- 768204, Odisha

ईमेल: elect_vejh@aai.aero

Email: elect_vejh@aai.aero



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

6. You are also directed to contact Manager / Jr. Exe. (Engg. -E), AAI, VSS Airport, Jharsuguda immediately who will arrange to hand over the site to you.
7. Please note that the time allowed for carrying out the work shall be **04 Months** and same shall be reckoned from 01/06/2021 due to Covid-19 Lock down.
8. All queries, clarifications etc. raised during e-tendering process and replies there of shall also form part of the agreement.
9. You are requested to submit valid GST invoice as per GST act mentioning the GSTIN, indicating the GST rates applicable and input tax credit details if any for processing the bills mentioning the AAI VSS Airport, Jharsuguda GST no. **21AAACA6412D1ZK**.
10. Any further correspondence in connection with the contract should be addressed to the Engineer-in-charge.
11. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

Sincerely,

Asst. General Manager (Engg. - E)
For and on behalf of Chairman
Airports Authority of India.

सहा. महाप्रबंधक (अभिनवि) / AGM (Engg-E)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
वीर सुरेन्द्र साई हवाई अड्डा
Veer Surendra Sai Airport, Jharsuguda

Encl: -

1. Schedule – A.

Copy (NOO): - (Internal)

1. The GM (Engg. - E), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
2. The GM (FA), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
3. The Dy. GM (EE), AAI, RHQ-ER, NSCBI Airport, Kolkata-700052.
4. Airport Director, AAI, VSS Airport, Jharsuguda-768204.
5. The Manager / Jr. Exe. (EE), AAI, VSS Airport, Jharsuguda-768204.
6. File.

Copy (NOO): - (External)

1. The Assistant Labour Commissioner, Jharsuguda, Odisha
2. The Commissioner, EPFO, Jharsuguda, Odisha



AIRPORTS AUTHORITY OF INDIA
Electrical Engineering Wing
VSS Airport, Jharsuguda, Odisha

SCHEDULE OF QUANTITIES

NAME OF WORK : - Connection of Power Supply to NDB Building from New Substation at V.S.S Airport, Jharsuguda.

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
1	Supply of following size XLPE insulated PVC sheathed aluminium conductor armoured power cable of 1.1KV grade confirming to IS 7098 (PART-I) with upto date amendments as required. (If the manufacturer does not have NABL accredited Laboratory, samples from site shall be collected jointly by AAI and the agency and it will be sent to NABL accredited Laboratories / Govt. Laboratories / IITS/IISc/ IISER/ Colleges/ Universities for acceptance Testing as per IS. The contractor will do all the Liasoning, transportation etc. and pay the testing charges. Nothing extra will be paid by AAI.If it is found that the cable supplied is not as per the requirement of IS, the supply will be rejected or recovery shall be made from the bill or any due pending with AAI from any airports)				
1.1	3.5C X 185 Sq.mm	2850	Mtrs	₹ 675.00	₹ 19,23,750.00
1.2	3.5C X 120Sq.mm	2800	Mtrs	₹ 481.00	₹ 13,46,800.00
1.3	3.5C X 35 Sq.mm	1000	Mtrs	₹ 178.00	₹ 1,78,000.00
	Design, Supply, Installation, Testing and commissioning of weather proof, vermin proof, powder coated, free floor standing , fully compartmentalised , bottom entry single door type , indoor, MV cubicle electrical panel (At New subsation), generally conforming to IP-54 and having SC capacity of 35 KA, fabricated from 2 mm. thick CRCA sheet , treated through seven tank process along with detachable gland plate; neutral link for TP SDF / MCCB, with ventillation louver covered with wiremesh, lifting hooks including swapping, recoiling and handling of all incoming and outgoing cables, minor civil work, cutting , fixing, grouting, paiting and sign writing etc. complete as required				

(Signature)
12/12/21

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
2	i) (Incomer) a) 400A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle with extendable busbars/spraeder links - 02 nos. b) TPN SPD, type-1, Uc = 275 V, Imax = 25 KA (10/350µs) with isolating MCB & indicators= 02 nos	1	JOB	₹ 7,25,000.00	₹ 7,25,000.00
	ii) (Bus Coupler) 400 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle - 01 no. (Mechanically interlocked with Incomers and buscoupler)				
	iii) (Out goings): a) 315 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle with spreader links - 02 nos. b) 250 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle with spreader links - 03 nos. c) 160 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle with spreader links - 03 nos.				
	iv) 600 A, Al - Bus bar, Four pole with Fibre glass insulated support & pvc sleeve etc.				
	v) Metering / Indication a) LED indication Lamps (RYB) with SP MCB protection = 10 sets. b) Digital Multifunction meter, 3 phase, 5A, class -1 with tape insulated CTs(400/5) = 02 set. b) Digital Multifunction meter, 3 phase, 5A, class -1 with tape insulated CTs(300/5) = 02 set. b) Digital Multifunction meter, 3 phase, 5A, class -1 with tape insulated CTs(250/5) = 03 set. c) ON-OFF indication lamps (LED type) -3 sets d) MV Power Digital Data logger for current, voltage and CTs etc. with at least 3 days record - 01 no .				

Handwritten signature and date 22/11/2021

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
3	Design, Supply, Installation, Testing and commissioning of weather proof, vermin proof, powder coated, free floor standing, fully compartmentalised , bottom entry double door type , outdoor canopy type , MV cubicle electrical panel (At residential Colony), generally conforming to IP-55 and having SC capacity of 35 KA, fabricated from 2 mm. thick CRCA sheet , treated through seven tank process along with detachable gland plate; neutral link for TP SDF / MCCB, with ventilation louver covered with wiremesh, lifting hooks including swapping, recoiling and handling of all incoming and outgoing cables, civil work of foundation, hard standing all around to a reach of 1m , fixing, grouting, painting and sign writing etc. complete as required	1	JOB	₹ 4,25,000.00	₹ 4,25,000.00
	i) (Incomer) a) 250 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle - 02 nos. b) TPN SPD, type-2, Uc = 275 V, I _{max} = 40 KA (8/20μs) with isolating MCB & indicators = 02 nos				
	ii) (Bus Coupler) 250 A, 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle - 01 no. (Mechanically interlocked with Incomers)				
	iii) (Out going): a) 200 A , 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle - 02nos. b) 160 A , 35 KA (Ics), 415V, Four pole MCCB with microprocessor release, front operated rotary handle - 02nos.				
	iv) 300 A, Al - Bus bar, Four pole with Fibre glass insulated support & pvc sleeve etc.				
	v) Metering / Indication a) LED indication Lamps (RYB) with SP MCB protection = 6 sets. b) Digital Multifunction meter, 3 phase, 5A, class -1 with tape insulated CTs(250/5) = 02 set. c) ON-OFF indication lamps (LED type) -4 sets d) MV Power Digital Data logger for current, voltage etc. with at least 3 days record - 01 no .				

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12/05/2024

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
4	Supply ,Installation , Testing and Commissioning of 400 A , Four pole, 35 KA MCCB with thermal magnetic based release having adjustable over load and adjustable short circuit in the existing Essential panel with spreader links, suitable size connecting busbars between main busbar and MCCB and rotary handle etc as required	2	JOB	₹ 26,000.00	₹ 52,000.00
5	Supply, Installation, testing and commissioning of 4 pole, 200A, Onload changeover switch panel , cubicle type, made out of 2mm thick CRCA sheet, totally enclosed, IP 42, free standing, floor mounting/wall mounting , dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415V, 50Hz AC system suitable to connect 3.5 C X 120 sqmm Al UG cable, duly powder coated painting etc.,	2	JOB	₹ 22,000.00	₹ 44,000.00
6	Supply, installation, testing and commissioing of of double door, lockable powder coated out door jnction boxes of size 600 X 600 X 400 mm made out of 2 mm thick MS sheet with detachable gland plate , Canopy, Cu stud type SMC / DMC connector of 300 A and shorting arrangement , MS angle iron frame, PCC foundation and hard standing all around to a reach of 1mtr etc. complete as required.	6	JOB	₹ 14,500.00	₹ 87,000.00
7	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required.				
7.1	3.5C X 300 Sq.mm	4	SET	₹ 1,750.00	₹ 7,000.00
7.2	3.5C X 185 Sq.mm	4	SET	₹ 1,450.00	₹ 5,800.00
7.3	3.5C X 120 Sq.mm	13	SET	₹ 550.00	₹ 7,150.00
7.4	3.5C X 35 Sq.mm	3	SET	₹ 160.00	₹ 480.00
8	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE /DWC HDPE pipe as required				
8.1	Upt o 35 sqmm	800	Mtrs	₹ 25.00	₹ 20,000.00
8.2	above 95 sq.mm upto 185sq.mm	4100	Mtrs	₹ 35.00	₹ 1,43,500.00
9	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
9.1	above 95 sq.mm upto 185sq.mm	100	Mtrs	₹ 25.00	₹ 2,500.00
9.2	above 185 sq.mm upto 400 sq.mm	100	Mtrs	₹ 35.00	₹ 3,500.00

Handwritten signature and date: 12/5/2021

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
10	Supply and making of straight through joint with heat shrinkable kit including ferrules and other insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required				
10.1	3.5C X 185 Sq.mm	4	SET	₹ 2,500.00	₹ 10,000.00
10.2	3.5C X 120 Sq.mm	3	SET	₹ 1,800.00	₹ 5,400.00
10.3	3.5C X 35 Sq.mm	1	SET	₹ 550.00	₹ 550.00
11	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50cm at the top with a thickness of 10cm including inscription duly engraved as required.	20	EA	₹ 280.00	₹ 5,600.00
12	Supplying and laying of 110 mm nominal dia (OD) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930 Part II /IS 16205 PART-24 with upto date ammendment, complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. (Only required quantities are to be supplied and laid. Contractor shall take detailed measurements at site before Supply of DWC HDPE pipe, If any balance of pipe is availalable after laying and same shall be taken back by agency, Nothing will be paid extra).	2500	Mtrs	₹ 185.00	₹ 4,62,500.00
13	Supplying of 90 mm nominal dia (OD) HDPE pipe (PE- 63, PN-6) as per IS - 4984 and IS marked with upto date ammendment along with accessories like socket, bend, couplers etc. complete with fitting, cuttings, jointing and laying the same by horizontal directional drilling (micro tunnelling) method that is without cutting open trench etc. complete as required. (Only required quantities are to be supplied and laid. Contractor shall take detailed measurements at site before Supply of HDPE pipe , If any balance of pipe is availalable after laying and same shall be taken back by agency, Nothing will be paid extra).	2400	Mtrs	₹ 276.00	₹ 6,62,400.00

Signature
12/05/2021

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
14	Supplying of 63 mm nominal dia (OD) HDPE pipe (PE- 63, PN-6) as per IS - 4984 and IS marked with upto date ammendment along with accessories like socket, bend, couplers etc. complete with fitting, cuttings, jointing and laying the same by horizontal directional drilling (micro tunnelling) method that is without cutting open trench etc. complete as required. (Only required quantities are to be supplied and installed. Contractor shall take detailed measurements at site before Supply of HDPE pipe, If any balance of pipe is available after laying and same shall be taken back by agency, Nothing will be paid extra).	800	Mtrs	₹ 197.00	₹ 1,57,600.00
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required	2	Set	₹ 3,850.00	₹ 7,700.00
16	Supplying of earth enhancing compound (UL Listed) and CPRI tested etc. complete as required.	80	Kgs	₹ 20.00	₹ 1,600.00
17	Providing and fixing of 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/HDPE Pipe/ cable as required	30	Mtrs	₹ 28.00	₹ 840.00
18	Cutting bitumenous/cement concrete road etc. to a depth upto 1.0 m. and width upto 75 mm. and refilling the same and making good the same to the original finish along with mobile DG for power supply and water bowser etc. complete as required	20	Cum	₹ 780.00	₹ 15,600.00
19	Excavation of the trench in hard rock not exceeding 1.5 mtr in width, and lift upto 1.5mtr, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50mtrs.	15	Cum	₹ 450.00	₹ 6,750.00
20	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres	45	cum	₹ 320.00	₹ 14,400.00
21	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation for LT panel /road crossing/foundation for cable chamber etc as required.	17	Cum	₹ 3,800.00	₹ 64,600.00
22	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.	600	Kgs	₹ 110.00	₹ 66,000.00

Handwritten signature and date: 18/05/2021

ITEM NO.	Description of Items	Qty	Unit	RATE (Rs.) excluding GST	AMOUNT (Rs.) excluding GST
23	Brick work with bricks of class designation 60 in foundation and plinth in 1:6 (1 cement: 6 coarse sand)	35	Cum	₹ 480.00	₹ 16,800.00
24	Cement plaster 12mm thick of mixture 1:6	116	Sq mtr	₹ 230.00	₹ 26,680.00

Grand Total Excluding GST

₹ 64,96,500.00

(Rupees Sixty-Four Lakhs Ninety-Six Thousand Five Hundred only)

17/05/2021
AWME/E

सहा. महाप्रबंधक (अभ-वि) / AGM (Engg-E)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
वीर सुरेन्द्र साई हवाई अड्डा
Veer Surendra Sai Airport, Tharsuguda