



भारतीय विमानपत्तन प्राधिकरण
पश्चिमी क्षेत्र मुख्यालय
AIRPORTS AUTHORITY OF INDIA
WESTERN REGION, HQRS.

सं.संख्या: भाविप्रा/पक्षे/मुंबई/उमप्र(अभि.वि.)-एटीएस/सीडब्ल्यू/काआ-03/2023-24
Ref.No.: AAI/WR/MUM/DGM(E-E)-ATS/CW/WO-03/2023-24

दिनांक : 05.01.2024
DATE : 05.01.2024

BY SPEED POST / E-mail

प्रति, / To,
मेसर्स. सारस्वत इंजीनियरिंग सर्विसेस, / M/s. Saraswat Engineering Services,
6, वनराई कॉम्प्लेक्स, / 6, Vanrai Complex,
प.दु.महामार्ग, / W.E.Highway,
गोरेगांव (पूर्व), / Goregaon (East),
मुंबई - 400 065 / Mumbai - 400 065

विषय/Sub : "मुंबई में नए पैन इंडिया एचएमएस सर्वर के लिए 2 X 60 केवीए मॉड्यूलर यूपीएस सिस्टम के लिए विद्युत कार्य (निविदा आय.डी.: 2023_भाविप्रा_174069_1)" / "Electrical Works for 2 x 60 KVA Modular UPS System to New PAN India AHMS Servers at Mumbai (Tender ID : 2023_AAI_174069_1)"

संदर्भ / Ref. : आपकी वित्तीय बोली दिनांक 05.12.2023 को खुला। / Your Financial Bid is opened on 05.12.2023.

महोदय / Sir,

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत मद दरों पर स्वीकार की जाती है जो कुल **रु. 56,15,726.00 (रुपये छप्पन लाख पंद्रह हजार सात सौ छब्बीस मात्र)** (जीएसटी रहित), जो निविदा में रखी गई अनुमानित/उचित लागत **रु. 91,36,881.00 (जीएसटी रहित)** से **38.54%** नीचे है। वैध टैक्स चालान के खिलाफ जीएसटी का भुगतान किया जाएगा। कृपया कर चालान में महाराष्ट्र राज्य के लिए **AAI GST no. 27AAACA6412D1Z8** उद्धृत करें।
- Your 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. 56,15,726.00 (Rupees Fifty Six Lakhs Fifteen Thousand Seven Hundred Twenty Six only) (excluding GST)** which is **38.54% below** the estimated/justified cost put to tender of **Rs. 91,36,881.00 (excluding GST)**. GST will be paid against Valid Tax invoice. Please quote **AAI GST no.27AAACA6412D1Z8** for Maharashtra State in Tax Invoice.
- वरिष्ठ प्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप वरिष्ठ प्रबंधक (अभि.विद्युत), भाविप्रा, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई के कार्यालय में दिनांक **15.01.2024** तक उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। ठेका करार का निष्पादन 100/- रुपये (केवल एक सौ रुपये) के गैर-न्यायिक स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।
- Senior Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Senior Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai by **15.01.2024** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One hundred only) and the cost of the stamp paper shall be borne by you.
- आपसे अनुरोध है कि इस पत्र के जारी होने की तिथी से 10 दिनों के भीतर सुरक्षा राशि जो टेंडर राशि के 10 % है को प्रस्तुत करें, अन्यथा अनुबंध के पृष्ठ 56 पर शर्त के अनुसार आपके बिल से काटा जाएगा।
- You are requested to furnish security deposit @ 10 % of tendered amount within 10 days from the date of issue of this letter, failing which the same will be deducted from your bill as per condition on page 56 of the contract document.

... 2 /-

Handwritten signature and date: 05/01/24
SM(E-E)
वरिष्ठ प्रबंधक (अभि.विद्युत)
Sr. Manager (Engg.-Elect.)
भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
Airports Authority of India, Engg. Elect. Wing,
प.दु.महामार्ग, अंधेरी (पूर्व), मुंबई - 400 099.
Airports Authority of India, Engg. Elect. Wing,
P.D. Mahamarg, Andheri (East), Mumbai - 400 099.

क्षेत्रीय कार्यपालक निदेशक का कार्यालय, पारशीवाडा के सामने, सहार रोड, विलेपार्ले (पूर्व), मुंबई - 400 099.
Office of the Regional Executive Director, Opp. Parshiwada, Sahar Road, Vile Parle (E), Mumbai - 400 099.

☎ 91-22-29217400

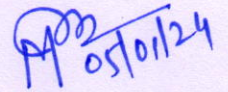
ए.टी.एस. कॉम्प्लेक्स, सहार कार्गो के पास, सुतार पखाडी रोड, सहार, मुंबई - 400 099.
ATS Complex, Near Sahar Cargo, Sutar Pakadi Road, Sahar, Mumbai - 400 099.

☎ 91-22-26819300

4. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियमावली 1971 और केंद्रीय एवम राज्य सरकारों के न्यूनतम वेतन तथा उससे संबंधित अन्य नियमों के प्रावधानों का पालन करें।
4. You are requested to comply with the provisions of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation & abolition) Central rules 1971 and minimum wages Act & rules of central and state Governments with its upto date amendments thereof.
5. आपको यह भी निर्देश दिया जाता है कि आप तुरंत सहायक प्रबंधक (अभि.वि.), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई से संपर्क करें जो आपको साइट सौंपने की व्यवस्था करेंगे।
5. You are also directed to contact Asstt.Manager (Engg.-E.), AAI, ATS Complex, Mumbai immediately who will arrange to hand over the site to you.
6. कृपया यह भी नोट कर ले कि निविदा के अनुसार कार्य निष्पादन हेतु अनुमत समय **03 (तीन) माह** है, जिसकी गणना **15.01.2024** से **14.04.2024** तक की जाएगी।
6. Please note that the time allowed for carrying out the work is **03 (Three) months**, which shall be reckoned from from **15.01.2024** to **14.04.2024**.
7. इस ठेके के संबंध में कोई और पत्राचार सामान्य रूप से वरिष्ठ प्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, क्षेत्रीय मुख्यालय, पश्चिम क्षेत्र, मुंबई को संबोधित किया जाना चाहिए।
7. Any further correspondence in connection with the contract should normally be addressed to the Senior Manager (Engg.-E.), AAI, ATS Complex, Regional Head Quarter, Western Region, Mumbai.
8. ऊपर उल्लिखित सभी पत्र अनुबंध का हिस्सा होंगे।
8. All the letters referred above shall form part of contract.
9. कृपया इस पत्र कि प्राप्ति सूचना दें तथा इसके साथ संलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेजे।
9. 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..
10. कार्य आदेश के संबंध में किसी प्रकार की टंकनीय त्रुटी/विसंगति होने पर अंग्रेजी संस्करण मान्य होगा।
10. With reference to this work order, if in case of any typographical mistake / discrepancy arise, the English version shall prevail.

धन्यवाद, / Thanking You,

भवदीय / Yours faithfully,

 05/01/24

वरिष्ठ प्रबंधक (अभि.-विद्युत),
Senior Manager (Engg.-E.),

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण
For and on behalf of Chairman, Airports Authority of India

संलग्न / Encl. : मात्रा का बिल / Bill of quantities.

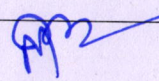
वरिष्ठ प्रबंधक (अभि.-विद्युत)
Sr. Manager (Engg.-Elect.)
भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
Airports Authority of India, Engg. Elect. Wing,
एटीएस कॉम्प्लेक्स, अंधेरी (पूर्व), मुंबई - 400 099.
ATS Complex, Andheri (East), Mumbai - 400 099.

भारतीय विमानपत्तन प्राधिकरण / AIRPORTS AUTHORITY OF INDIA
अभियांत्रिकी विद्युत विभाग, एटीएस कॉम्प्लेक्स, मुंबई - 400 099 / ENGINEERING ELECTRICAL WING, ATS COMPLEX, MUMBAI - 400 099.

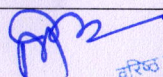
Bill of Quantities (B.O.Q.)

Name of Work: "Electrical Works for 2 x 60 KVA Modular UPS System to New PAN India AHMS Servers at Mumbai."

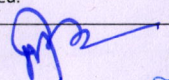
Sr. No.	Description of Items	Item No.	Quantity	Units	RATE (Excluding GST)		AMOUNT (Excluding GST)	
					Rs.	P.	Rs.	P.
1	2	3	4	5	6		7	
1.00	SH-A : Supply and Laying of Cable							
2.00	Supply of following sizes of 1.1 KV grade multicore copper conductor XLPE insulated and PVC sheathed armoured cable as per IS-7098 (Part-I) 1988 respectively with upto date ammendments.	Item No.1						
3.00	i) 4C X 70 Sq mm	Item No.1 i)	400	Meter	2727.00		1090800.00	
4.00	ii) 4C X 25 Sq mm	Item No.1 ii)	900	Meter	961.00		864900.00	
5.00	iii) 4C X 10 Sq mm	Item No.1 iii)	1600	Meter	421.00		673600.00	
6.00	Supply of following size 1.1 KV grade multicore flexible copper conductor PVC insulated / XLPE insulated and PVC sheathed cable as per IS-7098 (Part-I) 1988 respectively with upto date ammendments.	Item No.2						
7.00	i) 3C X 4 Sq mm	Item No.2 i)	3500	Meter	124.00		434000.00	
8.00	Laying of one number PVC/XLPE insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in existing RCC/HUME/METAL/PVC pipe etc as required.	Item No.3						
9.00	i) Upto 35 Sq.mm	Item No.3 i)	1500	Meter	52.00		78000.00	
10.00	Laying of one number PVC/XLPE insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in masonnary open duct etc as required.	Item No.4						
11.00	i) Upto 35 Sq.mm	Item No.4 i)	1000	Meter	52.00		52000.00	
12.00	ii) Above 35 Sq.mm and up to 95 Sq mm	Item No.4 ii)	100	Meter	63.00		6300.00	
13.00	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.	Item No.5						
14.00	i) Upto 35 Sq.mm	Item No.5 i)	2000	Meter	54.00		108000.00	
15.00	ii) Above 35 Sq.mm and up to 95 Sq mm	Item No.5 ii)	80	Meter	69.00		5520.00	
16.00	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on Cable tray as required.	Item No.6						
17.00	i) Upto 35 Sq.mm	Item No.6 i)	1500	Meter	52.00		78000.00	


 वरिष्ठ प्रबंधक (अभि. विद्युत)
 Sr. Manager (Engg.-Elect.)
 भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
 Airports Authority of India, Engg. Elect. Wing,
 एटीएस कॉम्प्लेक्स, अंधेरी (पूर्व), मुंबई - 400 099.
 ATS Complex, Andheri (East), Mumbai - 400 099.

Sr. No.	Description of Items	Item No.	Quantity	Units	RATE (Excluding GST)		AMOUNT (Excluding GST)	
					Rs.	P.	Rs.	P.
1	2	3	4	5	6		7	
18.00	ii) Above 35 Sq.mm and up to 95 Sq mm	Item No.6 ii)	220	Meter	63.00		13860.00	
19.00	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing as required.	Item No.7	600	Meter	25.00		15000.00	
20.00	Supply and making end termination with brass compression gland and copper lugs i/c proper socketing etc. as reqd for 1.1 KV grade XLPE Copper cond.cable of following sizes.	Item No.8						
21.00	i) 4C X 10 Sq mm	Item No.8 i)	76	Set	673.00		51148.00	
22.00	ii) 4C X 25 Sq mm	Item No.8 ii)	20	Set	774.00		15480.00	
23.00	iii) 4C X 70 Sq mm	Item No.8 iii)	16	Set	1392.00		22272.00	
24.00	SH-B : Internal Electrification Work							
25.00	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required .	Item No. 9						
26.00	i) 4 way (4 + 12), Double door	Item No. 9 i)	10	Each	15659.00		156590.00	
27.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Item No. 10						
28.00	i) 6 way , Double door	Item No. 10 i)	10	Each	4714.00		47140.00	
29.00	ii) 8 way , Double door	Item No. 10 ii)	20	Each	5188.00		103760.00	
30.00	iii) 16 way , Double door	Item No. 10 iii)	4	Each	7651.00		30604.00	
31.00	Supplying and fixing of following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Item No. 11						
32.00	i) 40A TPN MCB	Item No. 11 i)	10	Each	2220.00		22200.00	
33.00	ii) 32A TP MCB	Item No. 11 ii)	34	Each	1170.00		39780.00	
34.00	iii) 32A DP MCB	Item No. 11 iii)	34	Each	749.00		25466.00	
35.00	iv) 6 to 32A SP MCB	Item No. 11 iv)	176	Each	258.00		45408.00	
36.00	Supplying and fixing suitable size PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Item No. 12	176	Each	1406.00		247456.00	


 वरिष्ठ प्रबंधक (अभि.-विद्युत)
 Sr. Manager (Engg.-Elect.)
 भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
 Airports Authority of India, Engg. Elect. Wing,
 एटिएस कॉम्प्लेक्स, अंधेरी (पूर्व), मुंबई - 400 099.
 ATCS Complex, Andheri (East), Mumbai - 400 099.

Sr. No.	Description of Items	Item No.	Quantity	Units	RATE (Excluding GST)		AMOUNT (Excluding GST)	
					Rs.	P.	Rs.	P.
1	2	3	4	5	6		7	
37.00	Supply and fixing modular blanking plate on the existing modular plate and switch box excluding modular plate as required.	Item No. 13	15	Each	36.00		540.00	
38.00	Supply and fixing following size of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	Item No. 14						
39.00	i) 20 mm	Item No. 14 i)	1800	Meter	64.00		115200.00	
40.00	ii) 25 mm	Item No. 14 ii)	200	Meter	79.00		15800.00	
41.00	iii) 32 mm	Item No. 14 iii)	100	Meter	106.00		10600.00	
42.00	Drawing of of 3c x 4 sq.mm. FRLS PVC insulated copper conductor , in the existing surface /recessed steel/PVC conduit as required.	Item No. 15	2500	Meter	36.00		90000.00	
43.00	Supplying and installation of perforated Hot dipped Galvanised Iron cable tray (Galvanistaion thickness not less than 50 microns) with perforation not more than 17.5% on convinient sections, joined with connectors , suspended from the ceiling with G.I., bolts & nuts, etc. as required. (a)150 mm Width x 50mm depth x 1.6 mm thickness	Item No. 16	35	Meter	840.00		29400.00	
44.00	SH-C : Airconditioning & associated works							
45.00	Supply of 2.0 TR High wall Split type Airconditioners not less than 5 star rating copper coil, inverter type fitted with extra powerful rotory / Reciprocating compressors, including remote, regfrigerant R-32/R-22/ non CFC suitable for wall mounting confirming to IS: 1391 / Part – 21/92 Amdt. No. 1 (except power consumption norms) with 10 feet copper refrigeration pipes and suitable copper cable and having features like auto air swing(2 way swing), speed setting(3/3), operation control(electronic), auto restart, on timer, evaporator type(2 bend eva) suitable for operation on 230V, 50 Hz, single phase AC supply capable of performiong:-(a)Cooling (b)Dehumidifying. (c) Air-circulating (d) Filtering (anti-bacteria).	Item No. 17	8	Nos	53275.00		426200.00	
46.00	Installation, Testing & Commissioning of 2.0 TR Eco-friendly refrigerant Split Inverter type Air Conditioner etc. complete as required.	Item No. 18	8	Job	2961.00		23688.00	
47.00	Providing & fixing extra suitable size refrigeration copper pipes beyond Ten feet for 2.0 Tr split AC unit as required.	Item No. 19	50	Meter	1697.00		84850.00	
48.00	Supplying and fixing of floor mounted MS angle Stand (1.5 feet height) suitable for mounting 2.0 Tr split AC's outdoor unit including painting etc. complete as required.	Item No. 20	8	Job	2750.00		22000.00	
49.00	Providing and fixing of 20 mm. dia. PVC Plumbing/drain Pipes for 2.0 TR on surface including all accessories like bends, sockets and water seal joints, etc. complete as required.	Item No. 21	50	Meter	444.00		22200.00	


 बरिष्ठ प्रबंधक (अभि.-विद्युत)
 Sr. Manager (Engg.-Elect.)
 भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
 Airports Authority of India, Engg. Elect. Wing,
 एटिएस कॉम्प्लेक्स, अंधेरी (पूर्व), मुंबई - 400 099.
 ATS Complex, Andheri (East), Mumbai - 400 099.

Sr. No.	Description of Items	Item No.	Quantity	Units	RATE (Excluding GST)		AMOUNT (Excluding GST)	
					Rs.	P.	Rs.	P.
1	2	3	4	5	6		7	
50.00	Supply and fixing of Single Phase, 240 V smart controller / Timer with 4 hr / 8 hr duration, 25A capacity, having OV & UV indication / protection suitable for AC power supply 240 V, 50 Hz. etc. complete as required.	Item No. 22	4	Job	8825.00		35300.00	
51.00	SH-D : MCCB & ATS							
52.00	SITC of 250 Amp,4 pole, 35kA rating, adjustable thermal fixed magnetic release , lcs=lcu=100% ,415V AC, MCCB in suitable MS enclosure i/c R,Y,B indication lamps in comer side, cables/wires connection complete etc. as required.	Item No. 23	4	Set	41320.00		165280.00	
53.00	SITC of 4 Pole automatic transfer switch with Enclosure and complete protection, 250A , 415V,50Hz, 4 Pole etc as per site requirement.	Item No. 24	2	Set	98906.00		197812.00	
54.00	SITC of 250 Amp,4 pole, 35kA rating ,adjustable thermal fixed magnetic release , lcs=lcu=100% ,415V AC, MCCB in existing panel by necessary modification in panel i/c R,Y,B indication lamps, cables/wires connection complete etc. as required.	Item No. 25	4	Set	37393.00		149572.00	
					Total Rs.		5615726.00	
					(Excluding GST)			
(Total Rupees Fifty Six Lakhs Fifteen Thousand Seven Hundred Twenty Six only) (Excluding GST)								

वरिष्ठ प्रबंधक (अभि.-विद्युत)

Senior Manager (Engg.-E.)

भा.वि.प्रा., एटीएस कॉम्प्लेक्स, मुंबई - 400 099

A.A.I., ATS Complex, Mumbai - 400 099.

वरिष्ठ प्रबंधक (अभि.-विद्युत)

Sr. Manager (Engg.-Elect.)

भारतीय विमानपत्तन प्राधिकरण, अभि. विद्युत विभाग,
Airports Authority of India, Engg. Elect. Wing,

एटीएस कॉम्प्लेक्स, अंधेरी (पूर्व), मुंबई - 400 099.

ATS Complex, Andheri (East), Mumbai - 400 099.