



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ संख्या : भाविप्रा/ इंदौर/अभि.-वि/कार्य आदेश-18/2020-21
Ref. No.: AAI/ID/ENGG(E)/WO-18/2020-21

136-50
1195-1209 (अ)

दिनांक : 08/02/2021
Date: 08/02/2021

प्रति,

मेसर्स राजेश गावडे .
232 बजरंग नगर ,एम.आर.नाईन
रोड,इन्दौर-452011

M/s Rajesh Gawade,
232 Bajrang Nagar ,M.R.9
Road,Indore-452011

विषय:- डेवलपमेंट ऑफ 15 नंबर पार्किंग बे पेरलल टॅक्सी ट्रैक एण्ड ऑदर आसोसीएटेड वर्क एट डीएबीएच एयरपोर्ट इंदौर.

सबहेड:- एसआईटीसी ऑफ हाईमास्ट फ्लुड लाइट्स.

Subject: Development of 15 No's Parking Bays, Parallel Taxi Track and other associated works at DABH Airport, Indore.

SH II :- SITC of High Mast Flood Lights.

संदर्भ : आपकी ई-निविदा 2020_AAI_64329_1 दिनांक 12.01.2021 को खोली गई.

Your E-Tender No. 2020_AAI_64329_1 Opened on dated 12-01-2021

प्रिय महोदय/ Dear Sir,

- उपरोक्त कार्य हेतु आपका टेन्डर, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से, आपके द्वारा बताये गये मद मुल्यों पर आपकी टेन्डर राशि कुल लागत ₹ 48,49,697.00/- (रुपये अड़तालीस लाख उनपच्चास हजार छे सौ सत्तन्वे मात्र जी.एस.टी. रहित) है, जो कि टेन्डर की अनुमानित लागत राशि ₹ 74,26,137.00 /- जी.एस.टी. रहित से 34.69 % कम है, पर स्वीकृत किया जाता है।

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 ₹ 48,49,697.00/- (Rupees Fourty Eight lakh Fourty Nine Thousand Six Hundred Ninety Seven Only Exclu. GST) which is -34.69 % below the Estimated cost put to tender of ₹ 74,26,137.00 /- Exclu. GST.

- संयुक्त महाप्रबंधक (अभि.विद्युत), भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो कि करारनामों पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 23.02.2021 तक संयुक्त महाप्रबंधक (अभि. -विद्युत), भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर के कार्यालय में उपस्थित हो तथा करारनामों को पूरा करें। ठेके का करारनामा ₹ 100/- के नॉन ज्युडिशियल स्टेम्प पेपर पर निष्पादित किया जाएगा, तथा स्टेम्प पेपर का खर्च आपके द्वारा उठाया जाएगा।

The Jt. General Manager (Engg.-Elect-), AAI, DABH Airport, Indore 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 Jt. General Manager (Engg.-Elect-), AAI, DABH Airport, Indore by 23-02-2021 to sign and complete the agreement. The contract agreement shall be executed on a non judicial stamp paper of Rs. 100/- and the cost shall be born by you.

By hand
Received
10/02/2021
for

Continued on page No. ...02



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3. आपके टेण्डर के साथ प्राप्त धरोहर राशि रुपये 1,48,530.00/- क्लॉज 1 ए के अनुसार जमानत राशि में परिवर्तित की जाएगी। कृपया ₹ 3,36,440.00 (रुपये तीन लाख छेत्तीस हजार चारसो चाळीस मात्र) प्रतिभूति जमा के रूप में यह पत्र के जारी करने की तारीख से 10 दिन के अंदर जमा कीजिए। जमा करने की असफलता के फलस्वरूप यह राशि ठेका दस्तावेज के जीसीसी के पृष्ठ क्र.16 के Clause '1A' की शर्त के अनुसार काट दी जाएगी।

The earnest money amount of Rs. 1,48,530.00/- received along with your tender will be treated and converted as part of security deposit as per Clause 1A. Please deposit ₹ 3,36,440.00 (Rupees Three lakhs Thirty Six Thousand Four Hundred Forty 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 '1A' on page no. 16 of GCC of the contract document.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केन्द्रीय नियम अनुबंध श्रम नियम (नियमन तथा उन्मुलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों का अनुपालन करें।

You are requested to comply with the provisions of contract labour (Regulation & Abolition) Act of 1970 and contract labour (Regulation & Abolition) Central rules 1971 and Minimum Wages Act & Rules thereof Central and State Government.

5. QPBG के एवज में प्राप्त राशि रुपये 72,000/- कार्य के सफलता पूर्वक संपादन के पश्चात् भुगतान की जायेगी।

The amount of Rs 72,000/- received against QPBG shall be returned after successful completion of work.

6. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि.विद्युत)-I, भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर से मिलें वह आपको साईट सौपने की व्यवस्था करेंगे। कृपया नोट कर लें कि काम करने का अनुमानित समय 04 (चार) महीने है जो कि इस पत्र के जारी करने के 3 दिन बाद से गिना जाएगा।

You are also directed to contact AGM (Engg-E)- I, AAI, DABH Airport Indore immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is 04 (Four) months as entered in the tender and shall be reckoned from the 3rd day after issue of this letter.

7. इस ठेके के संबंध में आगे कोई भी पत्राचार संयुक्त महाप्रबंधक (अभि.विद्युत), भा.वि.प्रा., इन्दौर विमानतल, इन्दौर के पते पर किया जाएगा।

Any further correspondence in connection with this contract should normally be addressed to Jt. General Manager (E-E), AAI, DABH Airport Indore.

8. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।

All letters referred above shall form part of contract.

9. ठेके दस्तावेज की शर्त के अनुसार त्रुटि दायित्व अवधि (एलईडी फिक्चर के सिवाय) 12 (बारह) माह होगी। एलईडी फिक्चर की त्रुटि दायित्व अवधि ठेके दस्तावेज की शर्त के अनुसार 60 (साठ) माह होगी।

The defects Liability Period will be 12 (Twelve) Months as per terms of Contract except for LED fixtures. The defects Liability Period will be 60 (Sixty) Months for LED fixtures as per terms of Contract

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AIRPORTS AUTHORITY OF INDIA

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10. कृपया पावती भेजें एवं आपकी स्वीकृती के प्रतीक के रूप में इस कार्य आदेश की डुप्लीकेट प्रति पर हस्ताक्षर कर अघोहस्ताक्षरी को पुनः भेजने का कष्ट 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.
11. यदि अंग्रजी और हिंदी पाठ में कोई अंतर पाया जाता है तो अंग्रजी विवरण सही माना जायेगा ।
If there is any discrepancy between English and Hindi, then meaning derived in English will be given precedence.

धन्यवाद / Thanking You,

संलग्न / Enclosure : Schedule 'A' (Total 07 page)

भवदीय / Your's Faithfully,


संयुक्त महाप्रबंधक (अभि.विद्युत), 8/12/2021
Jt. General Manager (Engg-Elect)
भा.वि.प्रा. इन्दौर विमानतल, इन्दौर
AAI, DABH AIRPORT, INDORE
कृते तथा ओर से, अध्यक्ष
For and on behalf of Chairman
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India

NOO :

SCHEDULE OF QUANTITY

Name of work:- Extension of Apron and Construction of Parallel Taxi Track for Parking of Code "C" type of aircraft at Indore Airport. **SITC of High Mast Flood Lights.**

S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
1	Supply of following sizes of PVC/ XLPE insulated and PVC sheathed aluminium conductor armoured cable of 1.1 KV grade conforming to IS 7098 Part - I as per attached technical specifications. (Make - As per attached list of approved makes.)				
	a) 3 5 x 70 Sq mm	Meter	350.00	316.72	110852.00
	b) 4 x 50 Sq mm	Meter	1350.00	262.43	354280.50
	c) 4 X 25 Sqmm	Meter	800.00	159.00	127200.00
2	SITC of LT panel 415 V_a, 3 Phase, 50 Hz AC Supply, totally enclosed type weather proof, free standing, floor mounted, dust and vermin proof, Outdoor type feeder pillar(IP65) fabricated from 2mm thick CRCA sheet complete with bus bars, internal wiring with suitable size wire interconnection etc and having following electrical accessories complete with 125 Amp four pole Change Over Switch as required 01 Set of 150 amp TPN BusBar of high conductivity electrolytic type Aluminium Alloy (Incomer)-01 no 125 Amp four pole MCCB (Ics value 25KA) with built in thermal based release unit with adjustable setting. Outgoing - 04 Nos 40 Amp four pole MCB RYB Indicating lamp (LED Type) Voltmeter with selector switch -01 Set Ammeter with selector switch -01 Set Contactor (Type 3P 1NO+1NC) coil voltage 230v 40Amp -01 nos Earthing studs Note All MCB/MCCB should be of following makes:- Indoasian/sheineder/Havells All breaker breaking capacities of MCCB Shall be Icu=100% Ics.	Job	1.00	35704.80	35704.80

S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
3	SITC of LT panel 415 V , 3 Phase , 50 Hz AC Supply , totally enclosed type weather proof, free standing, floor mounted, dust and vermin proof, Outdoor type feeder pillar(IP65) fabricated from 2mm thick CRCA sheet complete with bus bars, internal wiring with suitable size wire interconnection etc and having following electrical accessories complete as required. 01 Set of 60 amp TPN BusBar of high conductivity electrolytic type Aluminium Alloy (Incomer)-01 no 50 Amp four pole MCCB Outgoing - 03 Nos 32 Amp four pole MCB RYB Indicating lamp (LED Type) Voltmeter with selector switch-01 set Ammeter with selector switch -01 Set Contactor (Type 3P 1NO+1NC) coil voltage 230v 40Amp-01 nos. Earthing studs	Job	1.00	20930.40	20930.40
4	Supply of following PVC sheathed, XLPE insulated, armoured, copper conductor control cable confirming to IS 7098 (part-1) with upto date amendments etc as required.				
	a) 6 core X 1.5 sqmm	Meter	1250.00	129.27	161587.50
	B) 16 core X 1.5 sqmm	Meter	950.00	270.18	256671.00
5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
	a) Upto 35 sq mm Meter	Meter	1100.00	246.00	270600.00
	b) Above 35 sq mm and upto 95 sq mm	Meter	210.00	226.00	47460.00
6	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.				
	a) Upto 35 sq mm Meter	Meter	1415.00	15.00	21225.00
	b) Above 35 sq mm and upto 95 sq mm	Meter	1310.00	19.00	24890.00
7	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 pipe as required.				
	a) Upto 35 sq mm Meter	Meter	110.00	18.00	1980.00
	b) Above 35 sq mm and upto 95 sq mm	Meter	40.00	28.00	1120.00
8	Supplying and making 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.				
	A) 3/2 X 70 sq mm (38mm)	Each	4.00	100.00	400.00
	B) 4 X 50 sq mm (35mm)	Each	10.00	90.00	900.00
	C) 4 X 25 sq mm (28mm)	Each	5.00	80.00	400.00
	D) 4 X 16 sq mm (28mm)	Each	4.00	50.00	200.00

S.No.	Description of Work/ Item(s)	Units	No. of Qty	Rate (Ex.GST)	Amount (Ex.GST)
9	Excavation of the cable trenches in hard rock not exceeding 1.5 meter in width, and lift upto 1.5 meter, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meter	Cum	25.00	172.36	4309.00
10	Earthing with GI 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. with charcoal/ coke and salt as required	Each	8.00	6156.00	49248.00
11	Supplying and laying 6 SWG GI wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required	Meter	3000.00	22.31	66930.00
	SUB HEAD:(I) SITC of High Mast Flood Lights				
12	Design, supply, erection and commissioning of flood lighting system of 28 m height suitable for wind velocity of 39 Mtrs/sec with hot dip galvanized multiple telescopic sections and material of construction of S 355 grade as per BS-EN10 025 (with base plate welded to the bottom sections), holdings and it shall also include head frame, steel wire rope, non corrosive pulley, complete with control gear boxes, electric driven integral power tool, power & control cables etc. as required along with the following etc. complete as required as per the specifications given. include making of necessary foundation as per site conditions a) Luminaires carriage to hold all required LED light fittings for 20 lux average in apron area plus two additional light fittings for redundancy including all accessories, counter weights and self balance etc. b) Raising and lowering mechanism consisting of suitable double drum winch assembly, head frame assembly on top with self fabricating bearing and stainless steel shaft non-corrosive, pulley, & stainless steel wire ropes of minimum 6mm dia 316 Grade SS hoisting (7/19 construction) etc. complete with internally mounted electric driven 3 phase, 415 volts, 50 Hz operated integral power tool installed inside the base compartment for its operation and also for manual operation c) Supply, Laying and fixing of 2 runs of flexible round sheath 5 core control cables of appropriate rating from junction box to lantern carriage including wiring with suitable size of copper cable for individual wiring of all fittings including 2 Nos Aviation obstruction lights d) Supply of foundation bolts manufactured from special steel along with nuts, washer, suitable size anchor plate and template e) Design, casting of open raft type RCC foundation suitable for soil bearing capacity at site. The minimum M20 grade concrete for the high mast considering the safe soil bearing capacity at site as 10 T/sq.mtr at 2 meter depth job including all materials and labour and as per site conditions. (The foundation design should be vetted from reputed IIT/ NIT/ any reputed Govt technical institution for withstanding the 140km/hr wind pressure along with desired fittings for 20 average lux level at apron) f) Heavy gauge hot dip galvanized lightning arrester and its necessary connections at the top g) Wiring of luminaires with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 1.5 sq. mm, lugs, MCB etc as required h) Supply & installation of outdoor stand mounted feeder pillar with 63A TPN MCB incomer, single dial time switch, 45A TP contactor for the automatic switching of luminaires, power tool control with 2 no 9A contactors and raise lower push button, Incoming 25/35 sq. mm and out going 16 & 2.5 sq. mm terminals i) Provision of 02 Nos GI pipe earthing for High mast with 2.5 M long 40 mm dia GI Pipe including connection to High mast earth terminal with 25 x 3 mm GI flats with all materials and labour j) SITC of 02 Nos LED Aviation obstruction lights.	Job	2	357050.00	714100.00

S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
13	Design, supply, erection and commissioning of flood lighting system of 18 m height suitable for wind velocity of 39 Mtrs/sec with hot dip galvanized multiple telescopic sections and material of construction of S 355 grade as per BS-EN10 025 (with base plate welded to the bottom sections), holdings and it shall also include head frame, steel wire rope, non corrosive pulley, complete with control gear boxes, electric driven integral power tool, power & control cables etc. as required along with the following etc complete as required as per the specifications given include making of necessary foundation as per site conditions a) Luminaires carriage to hold all required LED light fittings for 20 lux average in apron area plus two additional light fittings for redundancy including all accessories, counter weights and self balance etc b) Raising and lowering mechanism consisting of suitable double drum winch assembly, head frame assembly on top with self fabricating bearing and stainless steel shaft non-corrosive, pulley, & stainless steel wire ropes of minimum 6mm dia 316 Grade S S hoisting (7/19 construction) etc completes with internally mounted electric driven 3 phase, 415 volts, 50 Hz operated integral power tool installed inside the base compartment for its operation and also for manual operation c) Supply, Laying and fixing of 2 runs of flexible round sheath 5 core control cables of appropriate rating from junction box to lantern carriage including wiring with suitable size of copper cable for individual wiring of all fittings including 2 Nos Aviation obstruction lights d) Supply of foundation bolts manufactured from special steel along with nuts, washer, suitable size anchor plate and template e) Design, casting of open raft type RCC foundation suitable for soil bearing capacity at site The minimum M20 grade concrete for the high mast considering the safe soil bearing capacity at site as 10 T/sqmt at 2 meter depth job including all materials and labour and as per site conditions (The foundation design should be vetted form reputed IIT/ NIT/ any reputed Govt technical institution for withstanding the 140km/hr wind pressure along with desired fittings for 20 average lux level at apron) f) Heavy gauge hot dip galvanized lightening arrester and its necessary connections at the top g) Wiring of luminaires with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 1.5 sq. mm, lugs, MCB etc as required h) Supply & installation of outdoor stand mounted feeder pillar with 63A TPN MCB incomer, single dial time switch, 45A TP contactor for the automatic switching of luminaires, power tool control with 2 no 9A contactors and raise lower push button, Incoming 25/35 sq. mm and out going 16 & 2.5 sq. mm terminals i) Provision of 02 Nos GI pipe earthing for High mast with 2.5 M long 40 mm dia GI Pipe including connection to High mast earth terminal with 25 x 3 mm GI flats with all materials and labour j) SITC of 02 Nos LED Aviation obstruction lights	Job	3.00	212000.00	636000.00

S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
14	Design,Supply, Erection and Commissioning of 8 mtrs. high GI OCTAGONAL continuously tapered galvanised street light pole with Suitable Luminaire Carriage for installation of flood/Airfield light luminaire suitable for wind velocity as per IS 875 for Indore Airport (but not less than 39 m/sec), fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (250x250x16mm min) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with suitable heavy duty connector for loop in loop out cable terminations suitable for upto two numbers. 4 core 25 Sq mm cables & suitable amp rating DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required with 01 No wired LED obstruction light as per specifications NOTE: (The top & bottom dia (A/F) of the pole shall not be less than 70mm & 155mm respectively)	Job	4.00	20810.00	83240.00
15	Design,Supply, Erection and Commissioning of 9 mtrs. high GI OCTAGONAL continuously tapered galvanised street light pole with Suitable Luminaire Carriage for installation of flood/Airfield light luminaire suitable for wind velocity as per IS 875 for Indore Airport (but not less than 39 m/sec), fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (250x250x16mm min) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with suitable heavy duty connector for loop in loop out cable terminations suitable for upto two numbers. 4 core 25 Sq mm cables & suitable amp rating DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required with 01 No wired LED obstruction light as per specifications NOTE: (The top & bottom dia (A/F) of the pole shall not be less than 70mm & 155mm respectively)	Job	2.00	22050.00	44100.00
16	Design,Supply, Erection and Commissioning of 7 mtrs. high GI OCTAGONAL continuously tapered galvanised street light pole with Suitable Luminaire Carriage for installation of flood/Airfield light luminaire suitable for wind velocity as per IS 875 for Indore Airport (but not less than 39 m/sec), fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (200x200x12mm min) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with suitable heavy duty connector for loop in loop out cable terminations suitable for upto two numbers. 4 core 25 Sq mm cables & suitable amp rating DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required with 01 No wired LED obstruction light as per specifications NOTE: (The top & bottom dia (A/F) of the pole shall not be less than 70mm & 130mm respectively)	Job	2.00	18160.00	36320.00

S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
17	Design, Supply, Erection and Commissioning of 6 mtrs. high GI OCTAGONAL continuously tapered galvanised street light pole with Suitable Luminaire Carriage for installation of flood/Airfield light luminaire suitable for wind velocity as per IS 875 for Indore Airport (but not less than 39 m/sec.), fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with suitable heavy duty connector for loop in loop out cable terminations suitable for upto two numbers 4 core 25 Sq.mm cables & suitable amp rating DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required with 01 No wired LED obstruction light as per specifications. NOTE (The top & bottom dia (A/F) of the pole shall not be less than 70mm & 130mm respectively)	Job	3.00	17545.00	52635.00
18	Design, Supply, Erection and Commissioning of 5 mtrs. high GI OCTAGONAL continuously tapered galvanised street light pole with Suitable Luminaire Carriage for installation of flood/Airfield light luminaire suitable for wind velocity as per IS 875 for Indore Airport (but not less than 39 m/sec.), fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with suitable heavy duty connector for loop in loop out cable terminations suitable for upto two numbers 4 core 25 Sq.mm cables & suitable amp rating DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required with 01 No wired LED obstruction light as per specifications. NOTE (The top & bottom dia (A/F) of the pole shall not be less than 70mm & 130mm respectively)	Job	1.00	12750.00	12750.00
19	Supply of 200 W LED Flood light Luminaries of Epoxy powder coated pressure die-cast aluminium housing (ADC12/LM24) with elegantly designed heat sink for efficient thermal management, sturdiness & excellent corrosion resistant, suitable to operate on 230 V, 50 Hz AC power supply and as per Lighting Design at Apron (LED fittings should be efficacy ≥ 110 Lumen/w, IP66 rating & as per specifications and 5 year guarantee should be provided for complete fittings i/c controller by manufacturer in favour of AAI	Each	25.00	7572.00	189300.00
20	Supply of 350 W LED Flood light Luminaries of Epoxy powder coated pressure die-cast aluminium housing (ADC12/LM24) with elegantly designed heat sink for efficient thermal management, sturdiness & excellent corrosion resistant, suitable to operate on 230 V, 50 Hz AC power supply and as per Lighting Design at Apron. (LED fittings should be efficacy ≥ 110 Lumen/w, IP66 rating & as per specifications and 5 year guarantee should be provided for complete fittings i/c controller by manufacturer in favour of AAI	Each	40.00	14528.00	581120.00

90.1

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S.No.	Description of Work/ Item(s)	Units	No.of Qty	Rate (Ex.GST)	Amount (Ex.GST)
21	Supply of 500 W LED Flood light Luminaries of Epoxy powder coated pressure die-cast aluminium housing (ADC12/LM24) with elegantly designed heat sink for efficient thermal management, sturdiness & excellent corrosion resistant, suitable to operate on 230 V, 50 Hz AC power supply and as per Lighting Design at Apron. (LED fittings should be efficacy ≥ 110 Lumen/w, IP66 rating & as per specifications and 5 year guarantee should be provided for complete fittings i/c controller by manufacturer in favour of AAI)	Each	18.00	25485.00	458730.00
22	Installation, adjusting, testing and commissioning of 200/350/500 W LED Flood light Luminaries as per requirement on high mast carriage & poles in the new apron so as to achieve desired lux level (Average lux level of 20 Lux & not less than 10 lux at extremities) i/c connection, interconnection and allied accessories etc complete as required as per site condition requirement.	Job	80.00	887.50	71000.00
23	Design, supply, installation, Testing and Commissioning of 1X20 KVA Capacity, 3 phase in / 1 Phase out online UPS in Stand alone configuration with double conversion PWM IGBT technology to drive constant current regulators as per technical specifications/data sheet enclosed. The UPS shall have built in automatic static by pass, phase sequence protection, pure sine wave output, input-output isolation, built in isolation transformer compatibility with generator supply cold start capability, EMI/RFI noise filter advanced communication-RS232 or equivalent port and user friendly LCD display, suitable to operate at 415V, 50Hz, 3 Phase AC supply and delivering single phase loads with Single phase output and necessary safety protection. The job also includes SITC of 12V, VRLA SMF batteries to give a backup time of minimum 20 minutes along with MS battery rack, connectors, wiring between battery bank and UPS with insulated copper conductor of required size as per site requirement etc. as required. Input of UPS shall have 63 amp 4 pole MCB, The output of UPS shall have 01 No 100 Amp Manual change over switch. Job also includes Input and output copper flexible cable. UPS & Batteries should be As per AAI Approved makes and Warranty on UPS and Batteries should be for 02 Years.	Job	1.00	413513.60	413513.60
				Total Rs.	4849696.80
				Say	4849697.00

(Rupees Fourty Eight Lakh Fourty Nine Thousand Six Hundred Ninety Seven Only)


 Jt GM (E-E)
 AAI, Indore
 8/2/2021

Signature Not Verified

Digitally signed by Rishi Raj Bagre
 Date: 2022.06.23 19:25:59 IST
 Location: eProcurement System for Central PSUs