



भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
जबलपुर विमानतल, जबलपुर
Jabalpur Airport, Jabalpur

सं.सं-भाविप्रा/स.म.प्र/अभि-वि/जबलपुर/प्रोजेक्ट/काआ.-01/05.3/2020-21/59
Ref. No.- AAI/JGM/Engg-E/JBP/PROJECT/WO-01/05.3/2020-21/59

दिनांक : 18.11.2020
Date : 18.11.2020

Work Award letter/कार्यादेशपत्र

सेवा में	To
मेसर्स म.र. इलेक्ट्रिकल	M/s M.R. ELECTRICALS
दागा हॉस्पिटल के पीछे	Opp. Daga Hospital
गौधीबाग नागपुर - 440002	Gandhibagh, Nagpur-440002
फोन नंबर :- 0712-2766215	Ph.No. :- 0712-2766215
फैक्स नंबर :- 0712-2766215	Fax No. :- 0712-2766215
ईमेल:- m.r.electricals1980@gmail.com	Email :- m.r.electricals1980@gmail.com

कार्य का नाम :- अप-ग्रेडेशन ऑफ जबलपुर एयरपोर्ट टू मेक इट सूटेबल फॉर ऑपरेशन ऑफ ए बी 320 टाइप एयरक्राफ्ट-
अप्रोन & आइसोलेशन बे फ्लड लाइटिंग, परिमीटर लाइटिंग, रिंग मैन सिस्टम फॉर पॉवर सप्लाई एंड एसोसिएटेड वर्क्स.

Name of work : "Up gradation of Jabalpur Airport to make it Suitable for Operation of AB- 320 Type Aircraft -
Apron & Isolation Bay Flood Lighting, Perimeter Lighting, Ring Main System for Power Supply and Associated
works."

संदर्भ:-आपका दिनांक 23.10.2020 को खोली गया ई-टेंडर आईडीक्र 2020_AAI_57833_1

Ref No:- Your e-tender ID No. 2020_AAI_57833_1 opened on 23.10.2020.

महोदय / Sir,

- उपर उल्लेखित कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार की जाती है। आपके द्वारा उद्धृत आइटम रेटों पर आपकी निविदाराशि कुल रुपये 2,17,19,440/- (रुपये दो करोड़ सत्रह लाख उनीस हजार चार सौ चालीश मात्र) जी.एस.टी. रहित है, जो कि निविदा की औचित्य लागत रुपये 3,95,55,180/- (रुपये तीन करोड़ पंचानवे लाख पचपन हजार एक सौ असी मात्र) जी.एस.टी. रहित से 45.09% कम है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rate quoted by you totalling to **Rs. 2,17,19,440.00** (Rs. Two Crore Seventeen Lacs Nineteen Thousand Four Hundred & Fourty Only) Excluding GST, which is **45.09%** Below the justified cost of **Rs. 3,95,55,180/-** (Rupees Three Crore Nineteen Five Lacs Fifty Five Thousand One Hundred & Eighty Only) Excluding GST put to tender.

- सा.सं. महाप्रबंधक (अभि.-वि)-परियोजना भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है, कि आप संबिदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 02.12.2020 तक सा.सं. महाप्रबंधक (अभि.-वि)-परियोजना. भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर - 482005 के कार्यालय में अपना मान्यता प्राप्त प्रतिनिधि मुख्तारी अधिकार के साथ उपस्थित करें। ठेके का करारनामा 100/- रु के नोनज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जायेगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

कार्यालय विमानपत्तन निदेशक, भा.वि.प्रा. जबलपुर विमानतल, जबलपुर-482005, दूरभाष: 0761-2603457, फैक्स: 2603451
O/o. The Airport Director, A.A.I. Jabalpur Airport, Jabalpur-482005, Phone: 0761-2603457, Fax: 2603451



भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
जबलपुर विमानतल, जबलपुर
Jabalpur Airport, Jabalpur

Jt.G.M. (E-E)-Project, Airports Authority of India, Jabalpur Airport, Jabalpur shall be Engineer-in-Charge of the work. You are requested to depute the your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of Jt. Gen. Manager (Engg.-E), Jabalpur Airport, Jabalpur by 02.12.2020 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 100/- (Rupees one Hundred Only) and the cost of the stamp paper shall be borne by you.

3. आपकी निविदा के साथ प्राप्त रुपये 7,92,000.00/- (रुपये सात लाख बानवे हजार मात्र) की अग्रिम धन राशि को निविदा दस्तावेज के अनुबंध की शर्त संख्या 1-ए पृष्ठ संख्या 16 के अनुसार प्रतिभूती जमा के रूप में प्रयुक्त तथा संपर्कित किया जायेगा। कृपया इस पत्र के जारी होने के 10 दिनों के भीतर सिम्योरिटी डिपोजिट के लिए रु 13,79,944.00/- (रुपये तेरह लाख उन्नासी हजार नौ सौ चावालिश मात्र) जमा कर दें, अन्यथा ठेके के करारनामे के पृष्ठ जी सी सी की शर्त खण्ड 1ए पृष्ठ संख्या 16 के अनुसार, इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।

The earnest money amount of Rs. 7,92,000.00/- (Rs Seven Lakhs Ninty Two Thousand Only) received along with your tender has been converted as part of security deposit as per GCC Clause 1A Page No. 16 of tender document. Please deposit Rs. 13,79,944.00/- (Rs. Thirteen Lacs seventy Nine Thousand Nine Hundred Fourty Four Only) toward security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per clause 1A of Page No. 16 of tender document.

4. आपसे नियेदन हैं, कि आप केंद्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केन्द्रीय नियम तथा उन्मुलन न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Center rules 1971 and minimum wages act & rules thereof Central and State Government.

5. आपका निर्देश दिया जाता है, कि आप तुरंत सहा.महाप्रबंधक(अभि.-वि)-प्रोजेक्ट को भाविप्रा जबलपुर, से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।

Your are also Directed to contact AGM (Engg-E) - Project, AAI, Jabalpur Airport, immediately who will arrange to hand over the site to you.

6. कृपया नोट कर ले कि कार्य करने का अनुमति समय 12(बारह)माह की है, जो कि इस पत्र के जारी होने के 10 वे दिन से माना जायेगा।

Please note that the time allowed for carrying out the work shall be 12 (Twelve) Months, which Shall be reckoned from the 10th day of issuing of this letter.

7. यह पत्र इस समझौते का हिस्सा होगा।

This letter under reference shall form part of agreement.

8. इस ठेके के संबंध में आगे का कोई भी पत्राचार सयुं.महाप्रबंधक(अभि.वि)-परियोजना, भाविप्रा, जबलपुर विमानतल, जबलपुर के पते पर किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Jt. General Manager (Engg.-E)- Project, AAI, Jabalpur Airport, Jabalpur (M.P.).

9. उपरोक्त कार्य के लिए ब्रुटि दायित्व की अवधि निविदा दस्तावेज के विशेष अनुबंध की शर्तों के पृष्ठ संख्या 11 के अनुसार 24 माह की होगी, जो कार्य की प्रमाणित समाप्ति तिथि के दिन से गिनी जाएगी।

The Defect Liability Period for the above mentioned work shall be 24 Months from certified date of completion for work as per special Condition of contract P.No.11 of tender document.



भारतीय विमानपत्तनप्राधिकरण
Airports Authority of India
जबलपुरविमानतल, जबलपुर
Jabalpur Airport, Jabalpur

10. यदि कोई विसंगति पायी जाती है तो अंग्रेजी संस्करण को सही माना जायेगा।
In case any discrepancy is found then English version will be taken as correct. .

11. कृपया इस पत्र की पावती भेजे।
Please acknowledge the receipt of this letter.

Encl:- Schedule of Work (7 Pages)

भवदीय/Yours faithfully

(के.बीनू जेकब)

(K.Binu Jacob)

संयु.महाप्रबंधक (अभि.वि)-प्रोजेक्ट- जबलपुर एयरपोर्ट
Jt. General Manager (E.-E)-Project ,Jabalpur Airport
अध्यक्ष के लिए एवं तरफ से

For and Behalf of the Chairman
भारतीयविमानपत्तनप्राधिकरण,
Airports Authority of India
जबलपुरविमानतल, जबलपुर
Jabalpur Airport, Jabalpur



भारतीय विमानपत्तनप्राधिकरण
Airports Authority of India
जबलपुरविमानतल, जबलपुर
Jabalpur Airport, Jabalpur

प्रतिलिपि:-मूल प्रतिपरनहीं/Copy to :- N.O.O.

आंतरिक वितरण / Internal Distribution

1. कार्यपालक निदेशक (अभि.) प. क्षेत्र, भारतीय विमानपत्तन प्राधिकरण, राजीव गांधी भवन, नई दिल्ली-110003
2. क्षेत्रीय कार्यपालक निदेशक, भारतीय विमानपत्तन प्राधिकरण, एकीकृत प्रचालन कार्यालय भवन, विलेपार्ले (पूर्व) मुंबई -400099
3. महाप्रबंधक(अभि.)-परियोजना, भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
4. संयु. महाप्रबंधक(सतर्कता)-प.क्षे., भारतीय विमानपत्तन प्राधिकरण, पोर्टा केबिन, न्यू एयरपोर्ट कालोनी, मुम्बई-40099
5. महाप्रबंधक (अभि.-वि), प.क्षे., भारतीय विमान पत्तनप्राधिकरण, राजीव गांधी भवन, नई दिल्ली-110003
6. विमानपत्तन निदेशक, भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
7. संयु. महाप्रबंधक(अभि.-सि.), भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
8. प्रबंधक (वित्त), भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
9. सहा-महाप्रबंधक (अभि.-वि)- प्रोजेक्ट, भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
10. संबंधित फाईल।

बाह्य वितरण / External Distribution

1. क्षेत्रीय श्रमायुक्त (केन्द), ब्लाकनं. 10सिविक सेंटर मढाताल, जबलपुर (म.प्र.)।
2. क्षेत्रीय प्रोविडेंट फंड आयुक्त इपीएफ सब रीजनल ऑफिस, कृषि उपज मंडी एरिया, विजय नगर जबलपुर (म.प्र.)।
3. शाखा प्रबंधक, ईएसआईसी कार्यालय, जबलपुर रोड, कांच घर कॉलोनी, जबलपुर (म.प्र.) - 482002।

भवदीय/Yours faithfully

(K. Binu Jacob)

संयु. महाप्रबंधक (अभि.वि)-प्रोजेक्ट- जबलपुर एयरपोर्ट
Jt. General Manager (E.-E)-Project, Jabalpur Airport
अध्यक्ष के लिए एवं तरफ से

For and Behalf of the Chairman
भारतीय विमानपत्तन प्राधिकरण,
Airports Authority of India
जबलपुर विमानतल, जबलपुर
Jabalpur Airport, Jabalpur



Airports Authority of India
Electrical Engineering Wing
Jabalpur Airport, Jabalpur

Name of Work:- Development of Jabalpur airport to make it suitable for AB-320 type Aircraft. SH -Apron & Isolation bay flood lighting, Perimeter Lighting, Ring main system for power supply and associated works.

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Items	Qty	Units	Rate	Amount
1.00	Supply, installation, testing, & commissioning of 20 M high mast in two sections suitable for wind speed as per IS: 875 part-III, with head frame, winch mounting bracket, luminaries carriage suitable to install minimum 11 nos luminaries in symmetrical arrangement, top pulley arrangement complete with dip galvanised finished, civil RCC foundation with excavation in soil, foundation bolts, anchor plates nuts, washers, anchor plate complete in all respects I/C electrically operated raising lowering system double drum winch, 6mm diameter SS wire rope, multi core copper conductor cable (Trailing cable(EPR)) of suitable current carrying capacity between top carriage and the base terminal (inside mast), including provision of outdoor type double doors feeder pillar made out of 14 SWG, CRCA sheet with powder coated paint comprising of rating one number incomer 63 A TP MCCB of 25KA and two numbers out going circuits with Suitable TP MCBs of 10KA interconnecting copper wiring, Auto/manual Switch, 0-24 hr. timer & suitable contactor including suitable PCC foundation etc. as required suitable for operation on 415 V, 3 phase, 50HZ, AC power supply, connector, integral power tool motor, manual handle, junction box, lightening finial, including Two number LED Aviation Obstruction Lights shall be on the existing lantern carriage including wiring of all luminaires with all wiring material like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 1.5 sqmm junction box of lantern carriage to individual light fitting, lugs, mounting accessories and all labour etc. including 1.1 KV power cables from feeder pillars to individual mast distribution box all complete as required as per technical specification attached.	6.00	Each	276000.00	1656000.00
2.00	Supply, assembly and erection of 2.6 Mtr height (height above ground is 2.75 mtr. as per the drawing attached), G.I Octagonal pole suitable to withstand wind speed as per IS -875 made out of HT steel conforming to grade S355J0 or equivalent with single arm bracket made out of suitable dia GI pipe EN 8 grade foundation bolt, base plate with Fe 410 conforming to IS 226 / IS 2062 etc. with complete accessories. The poles shall be hot dip galvanised as per IS 2629 / IS 2633 / IS 4753 standards with average coating thickness of 70 micron. The poles shall be provided with a vandal resistant and weather proof/water proof flush door of 500 mm length(Approx.) at a height of 500 mm from base plate with proper strengthening to cut out of the door opening. An outdoor IP66 rated junction box/ looping box with heavy duty single phase and neutral connector with 6 amp. DP MCB shall be provided inside the cutout. Poles shall be provided with two earth studs at the bottom Poles shall be fixed to foundation with a set of four foundation bolts etc as required as per technical specification attached.	950.00	No	5000.00	5700000.00
3.00	Erection of Octagonal pole provided in item no. 2 (SH-II Sr. no 1) above in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation refilling providing 2 no X 50 mm dia DWC Pipes for cable entry etc. as required				
3.01	Above 1 metre and upto 6.5 metre	950.00	Jobs	4200.00	3990000.00
4.00	Supply, installation, testing commissioning of high pressure die cast aluminium LED Flood light luminaire with toughened glass/Borosilicate glass lens with minimum system lumen output of 38500 lumens & minimum system efficiency of 110lm/w and as per technical specification attached etc. complete as required..	25.00	No	12360.00	309000.00

5.00	Supply installation,testing commissioning of high pressure die cast aluminium LED Flood light luminaire with toughened/Borosilicate glass lense with minimum system lumen output of 33000 lumens & minimum system efficacy of 110lm/w and as per technical specification attached etc. complete as required.	6.00	No	11400.00	68400.00
5.00	Supply,installation,testing commissioning of high pressure die cast aluminium LED street light luminaire with toughened glass with minimum system lumen output of 1500 lumens & minimum system efficacy of 110lm/w and as per technical specification attached etc. as complete required.	350.00	No	1320.00	1254000.00
7.00	Supply of following size of 1.1 kv grade FR aluminium conductor XLPE insulated and PVC sheathed armoured cable as per IS: 7098:1986 (Part-I) with upto date amendments.				
7.01	3 1/2 core X 400 Sq.mm. A2XFY	5500.00	Meter	1031.00	7010800.00
7.02	3 1/2 core X 120 Sq.mm. A2XFY	3664.00	Meter	366.00	1300720.00
7.03	3 1/2 core X 25 Sq.mm. A2XFY	9480.00	Meter	112.00	1061760.00
8.00	Supply of following size of 1.1 kv COPPER grade Armoured PVC Control Cable IS:1554(PT-I)-1988				
8.01	6 CX2 5 Sqmm	7700.00	Meter	145.00	1116500.00
9.00	supply, erection , testing and commissioning of cubicle type compartmentalised , rearfront access free standing, dust and vermin proof (Minimum IP 54 ingress protection) double door main switchboards conforming to IEC-60439(PTTA) upto 250 A MCCB and As per IEC-61439 (TTA) above 250 A MCCB suitable for use at 433 volts, 3 phase 4 wire 50 Hertz system suitable for a symmetrical fault level of 50 kA (as specified with the respective panel item) at 433 volts, fabricated from 2 mm outer thick CRCA sheets with hinged, gasketted (metal based neoprene) and lockable doors having structural reinforcement with suitable angle/channel/T/flat sections including 3 mm thick gland plates on: top and bottom including lifting hooks and earth bus of required size with 2 nos. earthing terminals, coating, paint finish of approved shade over metal surface cleaned and treated with nine tank process complete with interconnections etc. as per specifications, as required and as below. The incoming and outgoing feeders shall be accommodated in a modular arrangement, detachable gland plates, adequate size cable alley, Sign writing, Painting, Earthing,Numbering, Danger plate, including PVC insulated copper FRLSH wires of minimum 1.5sq.mm(for metering)& 2.5sq.mm (protection)for CT's etc. complete with metering & protection as required & civil foundation as per specifications. The Surge Protection Device (SPD) manufacturer shall offer a complete line of Surge Protection Devices to support the requirements for Main LT Panel Incoming feeders & automatic fire suppression system etc. as requires as per attached specification. (Note: The contractor may select the next higher fault rating of ACB/MCCB if it is not readily available, without any extra cost.)				
10.00	Main distribution Panel(F/P-1)(For Panel Detail Ref Item NO 9) Consisting of following	1.00	Set	201600.00	201600.00
10.01	Incomers:				
10.02	i) 2 No. 600 Amps. 4P MCCB 50KA, Icu=Ics with Microprocessor based release having O/L ,S/C earth fault protection & necessary equipped with the following:				
10.03	a) 3 Nos. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB				
10.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs. with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class1.0 metering. ,protection MCBs as required accessories to complete the system.				
10.05	Bus couplers:				
10.06	i) 1 No. 600 Amps. 4P MCCB 50 KA, Icu=Ics with Microprocessor based release having O/L ,S/C protection.				

10.07	Bus Bar								
10.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 600 amps & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc.								
10.09	Outgoings:								
10.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.								
10.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating, 50 KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 5 VA Class 1.0 metering. , Spreader links and phase barrier, solid neutral link complete with wiring connections etc.								
10.12	i) 2 Nos. - Thermal Magnetic 250 Amp. 4P MCCB (LLZ) F/P-5								
10.13	ii) 2 Nos. - Thermal Magnetic 250 Amp. 4P MCCB (DVOR & GP) F/P-3								
10.14	(iii) 2no.- Thermal magnetuc 125 Amp. 4P MCCB (Perimeter Light F/P-4)								
10.15	(iv) 2no.- Thermal magnetuc 125 Amp. 4P MCCB (Apron high mast F/P-2)								
10.16	(v) 4no.- Thermal magnetuc 100 Amp. 4P MCCB (Spare)								
10.17	Necessary interlocking shall be successfully operational in all possible combinations.								
11.00	High mast feedar pillar panel -2 (For Panel Detail Ref item NO 9) Consisting of following	1.00	set	88800.00				88800.00	
11.01	Incomers:								
11.02	i) 2 No. 125 Amps. 4P MCCB 50KA, Icu=Ics with thermo magnetic based release having O/L, S/C earth fault protection & necessary equipped with the following:								
11.03	a) 3 Nos Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB								
11.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs, with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 metering. ,protection MCBs as required accessories to complete the system.								
11.05	Bus couplers:								
11.06	i) 1 No. 125 Amps. 4P MCCB 50 KA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection.								
11.07	Bus Bar :								
11.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 200 amps, & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc.								
11.09	Outgoings:								
11.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.								
11.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating, 50 KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 5 VA Class 1.0 metering. , Spreader links and phase barrier, solid neutral link complete with wiring connections etc.								

11.12	i) 4 Nos. - Thermal Magnetic 63 Amp. 4P MCCB, (High mast feeder pillar)					
11.13	iii) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCB, (Spares)					
11.14	Necessary interlocking shall be successfully operational in all possible combinations.					
12.03	DVOR & GP feeder Panel-3(For Panel Detail Ref Item NO 9) Consisting of following	1.00	Set	148800.00		148800.00
12.01	Incomers:					
12.02	i) 2 No. 250 Amps. 4P MCCB 50 KA, Icu=Ics with thermo magnetic based release having O/L, S/C earth fault protection & necessary equipped with the following:					
12.03	a) 3 Nos. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB					
12.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs. with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 metering, protection MCBs as required accessories to complete the system					
12.05	Bus couplers:					
12.06	i) 1 No. 250 Amps. 4P MCCB 35 KA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection.					
12.07	Bus Bar :					
12.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 300 amps, & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc.					
12.09	Outgoings:					
12.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.					
12.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating, 50 KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 5 VA Class 1.0 metering, , Spreader links and phase barrier, solid neutral link complete with wiring, connections etc.					
12.12	i) 2 Nos. - Thermal Magnetic 125 Amp. 4P MCCB, (GP)					
12.13	ii) 2 Nos. - Thermal Magnetic 125 Amp. 4P MCCB, (DVOR)					
12.14	ii) 4 Nos. - Thermal Magnetic 63 Amp. 4P MCCB, (Spares)					
12.15	iii) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCCB with 20 Amp. 4P contactor (perimeter Light)					
12.16	2 no. 0-24 hour timer auto/manual by pass selector switches along with photo cell sensor to switch on the lights during the day off period.					
12.17	Necessary interlocking shall be successfully operational in all possible combinations.					
13.00	perimeter light feeder pillar panel -4 (For Panel Detail Ref Item NO 9) Consisting of following	1.00	Set	85200.00		85200.00
13.01	Incomers:					
13.02	i) 2 No. 125 Amps. 4P MCCB 50KA, Icu=Ics with thermo magnetic based release having O/L, S/C earth fault protection & necessary equipped with the following:					
13.03	a) 3 Nos. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB					

13.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs, with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 metering, protection MCBs as required accessories to complete the system				
13.05	Bus couplers:				
13.06	i) 1 No. 125 Amps. 4P MCCB 50 KA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection.				
13.07	Bus Bar :				
13.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 200 amps, & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc.				
13.09	Outgoings:				
13.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.				
13.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating, 50KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp ratio, 5 VA Class 1.0 metering, Spreaders links and phase barrier, solid neutral link complete with wiring, connections etc.				
13.12	i) 2 Nos. - Thermal Magnetic 63 Amp 4P MCCB with 20 Amp. 4P contactor (perimeter Light)				
13.13	2 no. 0-24 hour timer auto/manual by pass selector switches along with photo cell sensor to switch on the lights during the day off period.				
13.14	ii) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCB, (Spares)				
13.15	Necessary interlocking shall be successfully operational in all possible combinations.				
14.00	LLZ Panel: 5 feeder Panel(For Panel Detail Ref Item NO 9) Consisting of following	1.00	Set	136800.00	136800.00
14.01	Incomers:				
14.02	i) 2 No. 250 Amps. 4P MCCB 50KA, Icu=Ics with thermo magnetic based release having O/L, S/C earth fault protection & necessary equipped with the following:				
14.03	a) 3 Nos. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB				
14.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs, with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 metering, protection MCBs as required accessories to complete the system.				
14.05	Bus couplers:				
14.06	i) 1 No. 250 Amps. 4P MCCB 50 KA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection.				
14.07	Bus Bar :				
14.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 300 amps, & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc				
14.09	Outgoings:				
14.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.				

14.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating. 50 KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 5 VA Class 1.0 metering. , Spreader links and phase barrier, solid neutral link complete with wiring, connections etc.				
14.12	i) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCB with 20 Amp. 4P contactor (perimeter Light)				
14.13	2 no. 0-24 hour timer auto/manual by pass selector switches along with photo cell sensor to switch on the lights during the day off period.				
14.14	ii) 2 Nos. - Thermal Magnetic 125 Amp. 4P MCCB (isolation)				
14.15	iii) 2 Nos. - Thermal Magnetic 125 Amp. 4P MCCB, (ATS of LLZ)				
14.16	iv) 4 Nos. - Thermal Magnetic 63 Amp. 4P MCCB, (Spares)				
14.17	Necessary interlocking shall be successfully operational in all possible combinations.				
15.00	isolation bay feeder pillar panel -6 (For Panel Detail Ref Item NO 9) Consisting of following	1.00	Set	98400.00	98400.00
15.01	Incomers:				
15.02	i) 2 No. 125 Amps. 4P MCCB 50KA, Icu=Ics with thermo magnetic based release having O/L, S/C earth fault protection & necessary equipped with the following:				
15.03	a) 3 Nos. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB				
15.04	Digital Multifunction Meter, accuracy class 0.5s, with LED screen as per specs. with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 metering. , protection MCBs as required accessories to complete the system.				
15.05	Bus couplers:				
15.06	i) 1 No. 125 Amps. 4P MCCB 35 KA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection.				
15.07	Bus Bar :				
15.08	2 Sections of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 300 amps, & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 50 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc.				
15.09	Outgoings:				
15.10	All MCCB (Ics=Icu) with O/L, S/C, E/F followings shall be applicable to each.				
15.11	All outgoing with MCCB for O/C, S/C, E/F protection with On, off trip indications of following capacity and rating. 50 KA (Ics=Icu=100%) with Set of Digital flush type calibrated Intelligent multifunction meters (with communication port) suitable rating class - 1.0 accuracy, showing V, A, KW with 3 Nos. cast resin current transformers of dual core CT's of suitable Amp. ratio, 5 VA Class 1.0 metering. , Spreader links and phase barrier, solid neutral link complete with wiring, connections etc.				
15.12	2 Nos. - Thermal Magnetic 63 Amp. 4P MCB, (Hm-1 & Hm-2)				
15.13	ii) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCCB with 20 Amp. 4P contactor (perimeter Light)				
15.14	2 no. 0-24 hour timer auto/manual by pass selector switches along with photo cell sensor to switch on the lights during the day off period.				
15.15	iii) 2 Nos. - Thermal Magnetic 63 Amp. 4P MCB, (Spares)				
15.16	Necessary interlocking shall be successfully operational in all possible combinations.				

16.00	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 pipe as required.	6800.00	Meter	40.00	272000.00
16.01	Above 185 sq. mm and upto 400 sq. mm	3684.00	Meter	28.00	102692.00
16.02	Above 95 sq. mm and upto 185 sq. mm	17180.00	Meter	15.00	257700.00
16.03	Upto 35 Sqmm				
17.00	Supplying and laying of following size DWG HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II 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.				
17.01	200 mm dia (OD-200 mm & ID-175 mm nominal)	6800.00	Meter	333.00	2264400.00
17.02	120 mm dia (OD-120 mm & ID-103 mm nominal)	3684.00	Meter	197.00	721808.00
17.03	63 mm dia (OD-63 mm & ID-51 mm nominal)	17180.00	Meter	138.00	2370840.00
18.00	Supplying and making indoor end termination with brass double 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.				
18.01	3 1/2 core X 400 Sq.mm (82mm)	12.00	set	990.00	11520.00
18.02	3 1/2 X 120 sq. mm (45mm)	12.00	set	480.00	5760.00
18.03	6C X 2.5 sqmm(19mm)	12.00	set	240.00	2880.00
19.00	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 80 cm long and fixing the same in ground as required	100.00	Each	360.00	36000.00
20.00	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 with charcoal/ coke and salt) as required	12.00	set	5400.00	64800.00
21.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	9480.00	Meter	10.80	102384.00
22.00	Constructing brick masonry road gully chamber 75x75x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast cement mortar 1:4 (1 cement : 4 coarse sand) pre-cast R.C.C horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	210.00	Each	5400.00	1134000.00
Total =					31573464.00

Discount offered after reverse Auction - Rs= 9854024.00

Total amount after reverse auction Discount - Rs.= 21719440.00

(Rs.Two Crore Seventeen Lacs Nineteen Thousand Four Hundred & Forty Only


J.M.M (E-E)-Project

Airports Authority of India
Jabalpur Airport, Jabalpur

Signature Not Verified

Digitally signed by SAVIO ROBERT NORONHA

Date: 2020.12.30 13:45:20 IST

Location: eProcurement System for Central PSUs