



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ सं: भाविप्र/ बी.जी/(इंजि-वि)/ सी. डब्ल्यू -03/2023-24
Ref. No.: AAI/BG/(ENGG-E)/CW-03/2023-24/

तारीख: १७.०२.२०२४
Date: 17.02.2024

सेवा में/To,
मैसर्स रमेश इलेक्ट्रिकल्स
M/s Ramesh Electricals,
पहली मंजिल, 4ए, श्री बालाजी निलय, दूसरा क्रॉस,
Sri Balaji Nilaya, 1st Floor, 2nd Cross,
नागशेट्टीहल्ली, बैंगलोर /Nagashettihalli, Bangalore,
बैंगलोर-560094/ Bangalore-560094

कार्य का नाम/ Name of Work:- एएआई, बैंगलोर के विभिन्न स्थानों पर विविध इलेक्ट्रिकल और मैकेनिकल कार्य।/ Miscellaneous Electrical & Mechanical Works at various locations of AAI, Bangalore.

संदर्भ/ Ref:- 1) बोली संख्या /Bid no:- 2023_AAI_179170_1

2) 01.02.2024 को खोला गया ई-निविदा /Your E-Tender opened on: 01.02.2024

महोदय/Dear Sir (s),

- ऊपर उल्लिखित कार्य के लिए आपकी ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत मद दरों पर कुल **रु. 45,07,476/-** (रुपये पैंतालीस लाख सात हजार चार सौ छिहत्तर केवल) **रु. 56,44,420** रुपये की अनुमानित लागत से 20.14% के कम है।
Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totalling to **Rs. 45,07,476/-** (Rupees Forty Five Lakhs Seven Thousand Four Hundred and Seventy Six Only) excluding GST which is 20.14 % Below the estimated cost put to tender of **Rs. 56,44,420 /-**
- सहायक महाप्रबंधक (अभियांत्रिकी-ई), भाविप्रा, बंगलौर हवाई अड्डा कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि अनुबंध समझौते पर हस्ताक्षर करने और उसे पूरा करने के लिए 05.03.2023 तक सहायक महाप्रबंधक (इंजीनियरिंग-ई), एएआई, बैंगलोर एयरपोर्ट के कार्यालय में उपस्थित हों। अनुबंध १००.०० रुपये (एक सौ रुपये मात्र) के गैर-न्यायिक स्टॉप पेपर पर निष्पादित किया जाएगा और स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।
The Asst. General Manager (Engg-E), AAI, Bangalore Airport shall be the Engineer-in-Charge of the work. You are requested to attend the O/o The Asst. General Manager (Engg-E), AAI, Bangalore Airport, latest by **05.03.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100.00 (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
- कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के रूप में रु. 4,50,748/- (केवल चार लाख पचास हजार सात सौ अड़तालीस रुपये) जमा करें, अन्यथा शर्त के अनुसार कटौती कर ली जाएगी। अनुबंध दस्तावेजों के पृष्ठ संख्या 17 पर जीसीसी खंड संख्या 1 (ए) में।
Please deposit Rs.4,50,748/- (Rupees Four Lakhs Fifty Thousand Seven Hundred and Forty Eight 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 in GCC clause no 1 (a) at page No.17 of contract documents.

सहायक महाप्रबंधक (अभियांत्रिकी-ई)
Asst. General Manager (Engg-Elect.)

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
म प्र (सीएनएस) : 2201 990 फेक्स : 27688000
बैंगलूर अंतराष्ट्रीय हवाई अड्डा
GM (CNS) : 2201 990 Fax : 27688000

अल्फा-क्रेम वि.या.से. परीसर, केंपेगौडा अंतराष्ट्रीय हवाई अड्डा, बेंगलूरु - ५६० ३००
Alpha-I, ATS Complex, Kempegowda International Airport, Bengaluru - 560 300

4. आपसे अनुरोध है कि १९७० के अनुबंध श्रम (विनियम और उन्मूलन) अधिनियम और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम १९७१ चिली श्रम (निषेध और विनियमन) अधिनियम १९८६, निर्माण श्रमिक (रोजगार का विनियमन और सेवा की शर्त) के प्रावधानों का पालन करें। अधिनियम १९९६, भवन एवं अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम १९९६ जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 51 पर खंड संख्या १९ में निर्दिष्ट है और केंद्र और राज्य सरकार न्यूनतम मजदूरी अधिनियम और उसके नियम केंद्र और राज्य सरकार के नियम हैं।
You are requested to comply with the provision of Contract labour (Regulation and Abolition) Act 1970 and contract labour (Regulation and Abolition) Central rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of A-147 Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 19 B on page no. 51 of GCC of tender and rules of Central and State Government
5. आपको प्रबंधक (इंजीनियरिंग-ई), भारतीय विमानपत्तन प्राधिकरण, केआईए/एचएएल/गगन कॉम्प्लेक्स, बेंगलूर से संपर्क करने का निर्देश दिया जाता है जो आपको साइट सौंपने की व्यवस्था करेगा।
You are directed to contact Manager (Engg-E), Airports Authority of India, KIA/HAL/GAGAN Complex, Bangalore who will arrange to hand over the site to you.
6. कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 04 (चार) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10 वें दिन से की जाएगी।
Please note that the time allowed for carrying out the work shall be 04(Four) Months and same shall be reckoned from the 10th day of issue of this letter.
7. इस ठेके के संबंध में आगे का कोई भी पत्राचार प्रभारी अभियंता, भा.वि.प्रा., केम्पेगौड़ा अंतरराष्ट्रीय हवाई अड्डा, बेंगलूर के पते पर किया जाए।
Any further correspondence in connection with the contract should normally be addressed to Engineer-In-Charge, Airports Authority of India, Kempegowda Intl. Airport, Bengaluru.
8. कृपया इस पत्र के पोचपावती को हस्ताक्षर करने के पश्चात स्विकृती के रूप निम्नहस्तोक्षरीत को भेजा जाए।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as token of acceptance.

धन्यवाद/Thanking You,

अनुलग्नक: मात्रा की अनुसूची

Encl: Schedule of Quantities

भवदीय/Your faithfully,



सहायक महाप्रबंधक (इंजि-वि)/

Asst. General Manager (Engg-E)

भा.वि.प्रा., केम्पेगौड़ा अंतरराष्ट्रीय हवाई अड्डा, बेंगलूर /

AAI, Kempegowda Intl. Airport, Bengaluru.

कृते तथा ओर से, अध्यक्ष, भा.वि.प्रा./

for and on behalf of Chairman, AAI

सहायक महाप्रबंधक (इंजि-विद्युत)
Asst. General Manager (Engg-Elect.)

भारतीय हवाई अड्डा प्राधिकरण / Airports Authority of India

बेंगलूर अंतरराष्ट्रीय हवाई अड्डा

Bangalore International Airport

प्रतिलिपि/Copy To : आंतरिक/ Internal

1. महाप्रबंधक (समन्वय -प्रभारी), सीएनएस, भाविप्रा, बेंगलूर/ General Manager (CIC/CNS), AAI, Bangalore.
2. संयुक्त. महाप्रबंधक (इंजीनियरिंग-ई), बेंगलूर/ Jt. General Manager (Engg-E), Bangalore.
3. उप महाप्रबंधक, (वित्त)भाविप्रा,बेंगलूर, Dy. General Manager (Fin.), AAI, Bangalore.
4. प्रबंधक (इंजीनियरिंग- विद्युत),भाविप्रा, एचएएल /Manager (Engg-E), AAI, GAGAN, Bangalore.
5. मैंगर (इंग्लैंड-ए), आई, हाल, बेंगलूर,/ Manager (Engg-E), AAI, HAL, Bangalore.
6. प्रबंधक (इंजीनियरिंग-ई), एएआई, किआ, बेंगलूर,/ Manager (Engg-E), AAI, KIA, Bangalore.
7. कार्य ओदश फाइल/Work Order File.
8. करार फाइल/Agreement file


17/01/2024

सहायक महाप्रबंधक (इंजी-विद्युत)
Asst. General Manager (Engg-Elect)
भारतीय हवाई अड्डा प्राधिकरण / Airports Authority of India
बेंगलूर अंतराष्ट्रीय हवाई अड्डा
Bangalore International Airport

17-12

Government eProcurement System Created By: ARUN KUMAR K Created Date/Time: 01-Feb-2024 04:04 PM Tender Title: Miscellaneous Electrical and Mechanical Works at various locations of AAI, Bangalore Tender ID: 2023_AAI_179170_1					
Tender Inviting Authority: Asst.General Manager (Engg. – Elect.), AAI, Bangalore					
Name of Work: : Miscellaneous Electrical & Mechanical Works at various locations of AAI, Bangalore.					
Contract No: -2023_AAI_179170_1					
SCHEDULE OF WORK / ITEM(S)					
Sl.No	Description of Work / Item(s)	No.of Qty	Units	RAMESH ELECTRICALS (GSTN-NA)	
				Rate	Amount
1.00	SH I : Internal /External Electrification Works				
1.01	Supply of 2'X2' recess mounting, Remote operated LED Panel Light made out of CRCA/Aluminium housing with Opal/PMMA/Acrylic diffuser having minimum 3600 lumens output with colour tuning (CCT of 6500K, 4000K & 3000K) and RF based dimmable driver for intensity control from 0 - 100% in 4 or more steps along with suitable programmable remote control etc suitable for operation on 230V, 50Hz AC supply complete as per technical specifications (MAKE: ARRAYSTORM, Model : Metal Genysis / Make : HALONIX Cat no: HLFPR22-27-36-3CCT-RFD-DIMM or equivalent from the list of preferred makes)	60.00	Each	7000.00	420000.00
1.02	Supplying of 2'X2' recess mounting LED type luminaire having minimum 3600 lumens output complete with electronic driver, made out of powder coated CRCA/Aluminium housing suitable for operation on 230 Volt, 50 HZ AC complete as per technical specifications.	60.00	Each	3100.00	186000.00
1.03	Supplying of 1'X1' recess mounting LED type luminaire having minimum 1800 lumens output complete with electronic driver, made out of powder coated CRCA/Aluminum housing suitable for operation on 230 Volt, 50 HZ AC supply complete as per technical specifications	15.00	Each	2000.00	30000.00
1.04	Installation, testing and commissioning of surface/ recess mounted indoor type LED fixtures of all types including all accessories, connection with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable, suitable supporting arrangement etc. complete as required.	135.00	Each	400.00	54000.00
1.05	Supply, Installation, Testing and Commissioning of 40kA, Class B+C surge protection device suitable for single phase with neutral (230V, 50 Hz) AC system in suitable sheet steel enclosure and for mounting on wall/above LT Panel as per site requirements.	1.00	Each	1824.00	1824.00
1.06	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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) - 6 way (4 + 18), Double door	5.00	Each	6099.00	30495.00
1.07	Dismantling of existing Distribution Boards (of various sizes) by cutting the side of the walls and removing from the installed locations and filling the gaps with cement, finishing etc. complete as required.	5.00	Job	255.00	1275.00
1.08	Supply of following size XLPE insulated, PVC sheathed, Copper conductor Armoured cable of 1.1 KV grade conforming to IS 7098 (Part 1) : 1988 with upto date amendments etc. as required.				
1.08	4C X 10 sqmm	100.00	Meter	968.00	96800.00
1.08	4C X 16 sqmm	100.00	Meter	1419.00	141900.00
1.09	Supply of following size XLPE insulated, PVC sheathed, Aluminium conductor Armoured cable of 1.1 KV grade conforming to IS 7098 (Part 1) : 1988 with upto date amendments etc. as required.				
1.09	4C X 10 Sq.mm	500.00	Meter	105.00	52500.00
1.09	4C X 16 Sq.mm	200.00	Meter	140.00	28000.00
1.09	3.5C X 35 Sq.mm	250.00	Meter	145.00	36250.00

SCHEDULE OF WORK / ITEM(S)					
Sl.No	Description of Work / Item(s)	No. of Qty	Units	RAMESH ELECTRICALS (GSTN-NA)	
1.09	3.5C X 70 Sq.mm	450.00	Meter	250.00	112500.00
1.10	Supply of 63mm dia (OD) HDPE pipe of PN 6, PE 80 grade conforming to IS: 4984 complete as per specifications and as required.	450.00	Meter	74.00	33300.00
1.11	Laying of DWC/HDPE pipe upto 90mm OD along with all accessories like socket, bend, couplers etc. 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, protective covering etc. complete as required.	50.00	Meter	37.00	1850.00
1.12	Laying of DWC/HDPE pipe upto 90mm OD along with all accessories like socket, bend, couplers etc. complete with fitting, cutting, jointing etc. under bitumenous/concrete surface (75 cm below ground level) including dismantling/cutting the concrete surface/bitumen surface, excavation and refilling the trench, finishing the top surface with cement concrete 1:3:6 but excluding sand cushioning, protective covering etc. complete as required.	400.00	Meter	255.00	102000.00
1.13	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.				
1.13	Above 35 sq. mm and upto 95 sq. mm	50.00	Meter	46.00	2300.00
1.13	Up to 35 Sq.mm	420.00	Meter	30.00	12600.00
1.14	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 by removing the concrete slabs and refixing after laying etc. complete as required.				
1.14	Above 35 sq. mm and upto 95 sq. mm	250.00	Meter	35.00	8750.00
1.14	Up to 35 Sq.mm	110.00	Meter	20.00	2200.00
1.15	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
1.15	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	50.00	Meter	88.00	4400.00
1.15	Up to 35 Sq.mm (clamped with 1 mm thick MS flat clamp)	20.00	Meter	61.00	1220.00
1.16	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.				
1.16	4CX10 Sq.mm	28.00	Set	235.00	6580.00
1.16	3.5C X 35 Sq.mm	2.00	Set	360.00	720.00
1.16	3.5C X 70 Sq.mm	2.00	Set	431.00	862.00
1.17	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4.00	Each	8000.00	32000.00
1.18	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm).	20.00	Meter	175.00	3500.00
1.19	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	40.00	Meter	662.00	26480.00
1.20	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	50.00	Meter	240.00	12000.00
1.21	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.	700.00	Meter	32.00	22400.00

सहायक महाप्रबंधक (इंजी-विद्युत)
Asst. General Manager (Engg-Elect)
 भारतीय हवाई अड्डा प्राधिकरण / Airports Authority of India
 बेंगलूर अंतराष्ट्रीय हवाई अड्डा
 Bangalore International Airport

SCHEDULE OF WORK / ITEM(S)					
Sl.No	Description of Work / Item(s)	No. of Qty	Units	RAMESH ELECTRICALS (GSTN-NA)	
1.22	Supply and fixing of high voltage synthetic insulating mat made of synthetic Elastomer suitable for following ratings confirming to IS 15652:2006 with minimum width of 1 metre. Insulating mat should be flexible, anti skid, fire retardant, water and moisture proof with no adverse effect of acids, alkalies and transformer oil. Insulating mat should be fixed with suitable adhesive/chemibond, resin, water proofing compound and other sealing materials as per specifications. Insulating mats should be ISI marked alongwith CM/L nos at every meter. Insulating mats should be ERDA and CPRI tested.				
1.22	2.0mm thick with working voltage upto 3.3 KV, Class A	100.00	Sqm	608.00	60800.00
1.22	2.5mm thick with working voltage upto 11 KV, Class B	100.00	Sqm	760.00	76000.00
1.23	Supply and installation of Conventional Lightning Arrestor consisting of 1.20 meter long solid copper pipe/rod, globe having multiple spikes at the top and base plate at bottom suitable for installation on Frangible support mast etc complete as required.	4.00	Each	3704.00	14816.00
1.24	Supply and laying of 1X70 Sqmm size, XLPE/PVC insulated and PVC sheathed, multi stranded copper conductor unarmoured power cable of 1.1KV grade conforming to relevant IS with upto date amendments along the metal structure including clamping at required intervals and connections with copper lugs etc complete as required.	120.00	Meter	1050.00	126000.00
1.25	Supply and installation of 4 meter height Fiber glass/Composite fiber support mast with suitable clamps for mounting lightning arrestor and with GI/Cast Aluminium base plate for mounting on existing metal structure including providing and fixing suitable mounting channel, SS nuts, bolts etc. complete as required. The support mast must meet Frangibility criteria as per ICAO Aerodrome design Manual Part 6 (frangibility) and shall be painted red and white.	4.00	Each	33000.00	132000.00
1.26	Supply of High performance LED street light luminaire having minimum output of 9000 lumen with electronic driver, pressure die cast Aluminum housing, secondary optics, toughened glass with IP-65 or higher protection etc. and suitable to operate on 230V, 50Hz single phase AC supply etc complete as per specifications.	27.00	Each	6000.00	162000.00
1.27	Supply of LED Decorative post top light fitting for indirect light with IP 65 protection, resistant to impact and corrosion, glare free and better uniformity having minimum output of 3000 lumen with electronic driver, etc. and suitable to operate on 230V, 50Hz single phase AC supply etc complete as per specifications. (Halonix HLPT-03-30 CW or its equivalent from list of preferred makes)	10.00	Each	7250.00	72500.00
1.28	Installation, Testing and Commissioning of LED street light fittings on existing bracket of street light pole of 6 mtr height including providing required length 3CX1.5 Sq.mm copper wire from SMC Junction box upto LED fitting, connections, fixing with suitable clamp, nut/ bolts etc. complete as required.	24.00	Each	200.00	4800.00
1.29	Supply and fixing of SMC Junction box of inner dimensions not less than 240 x 130 x 95mm with hinged door fitted with 6A SP MCB, 16A, 8 way Connector etc to be mounted on pole/wall with necessary clamps etc. complete as required (Sintex Cat.No.GSJB 2817 or Equivalent)	14.00	Each	2384.00	33376.00
1.30	Supply, Installation, Testing & Commissioning of 2 X 3KVA capacity, single phase input and single phase output IGBT based true online UPS (In parallel redundancy configuration) with required no's of 12V, VRLA SMF maintenance free batteries arranged in MS stand with suitable size/capacity of interconnecting DC copper cables from UPS to Battery bank, connectors, terminal lugs etc and with all accessories for giving back up time of minimum 30 minutes (under full load conditions) with all controls and protective circuits complete as per technical specifications etc.	1.00	Set	45000.00	45000.00
1.31	Supply & fixing of AUTO GLOW Way Finding self pasting tape (retro-reflective type) of minimum 40 mm width suitable for displaying fire exit on wall/surface etc. complete as required.	350.00	Meter	120.00	42000.00
1.32	Supply, Installation, Testing & Commissioning of 125A Four Pole Manual Changeover switch in suitable sheet steel enclosure including rotary handle, spreader terminals, provision for cable entry etc. complete as required.	1.00	Each	7500.00	7500.00

SCHEDULE OF WORK / ITEM(S)				
Sl.No	Description of Work / Item(s)	No. of Qty	Units	RAMESH ELECTRICALS (GSTN-NA)
2.00	SH II: Mechanical Works & Air Conditioning Works			
2.01	Design, Supply, Installation, Testing & Commissioning of Automatic bi-parting (2 Leafs) sliding doors in modular design with 10-12 mm thick clear toughened glass shutters, beeding shall be provided on all the vertical edges of the toughened glass, suitable for clear opening of 2.35mtr X 1.60mtr (±10%). The frame profile should be separated from the main profile for enabling reduction in vibration and better sound insulation. The door frame shall be with suitable powdered coated aluminium profile. Microprocessor control unit should be self learning with the adjustable parameters for opening and closing speed, hold-open time, opening and closing force, required electro-mechanical / electro magnetic locking system with manual lock provision etc. The Automatic sliding door shall be suitable for operating on 230V + 5%, 50 Hz AC supply, complete as required including motion & safety sensors for entry & exit as per technical specifications.	2.00	Set	273679.00 547358.00
2.02	Dismantling and removal of existing Automatic sliding door panels including operating mechanism and accessories, frames & glass portion etc. and shifting the same to desired location as per the directions of EIC.	1.00	Job	11151.00 11151.00
2.03	Supply, Installation, Testing and Commissioning of Floor mounted type Hot, Cold & Normal Water Dispenser with inbuilt RO+UV purifier of fully Stainless Steel Body and Stainless Steel storage tanks (for cold, normal and hot water) complete with energy efficient compressor, heater, thermostat, 3 no of faucets etc and minimum 5 stages of purification with RO Purification rate ≥ 50 liter/hour, Dynamic Monitor with LCD display showing TDS levels, Water Temperature, Catridge Life, Pump Status, Power ON etc complete suitable for operation on single phase, 230V, 50 Hz, AC power supply complete as required as per technical specifications. (Zero B lcy Hot Jumbo – RO - Hot Cold Normal or its equivalent from list of preferred makes)	3.00	Each	160055.00 480165.00
2.04	Supply, Installation, testing and Commissioning of Horizontal open well Submersible pumpset of 3600 lpm at 25 Mtr Head suitable for installation on existing sump and inlet piping i/c NRV of suitable diameter, GI bend, Foot valve and all accessories etc. as required.	3.00	Job	28500.00 85500.00
2.05	Supply of 3 phase, 13 stage Borewell submersible pump having a head range upto 350 mtr and flow rate upto 1200 Lpm suitable for bore size of 150 mm etc complete as required as per specifications.	1.00	Each	35652.00 35652.00
2.06	Supplying, fixing, testing and commissioning of condenser water pipes of following sizes of MS C Class along with necessary clamps, vibration isolators and fittings such as bends, tees etc. but excluding valves, strainers, gauges etc. (above ground) adequately supported on rigid supports duly painted including making one coat of primer and two coats of sythetic enamel paint over the pipe etc. complete in all respect.			
2.06	250 mm dia			
2.06	150 mm dia	70.00	Meter	5400.00 378000.00
2.07	Supplying, fixing, testing and commissioning of following butterfly valves (Manual) with CI body, SS disc, nitrile sheet & O-ring & PN 16 pressure rating in the existing pipe line including necessary cutting / welding works and minor components such as reducer etc acomplete as required as per specifications.	30.00	Meter	3200.00 96000.00
2.07	80 mm dia			
2.07	100 mm dia	35.00	Each	4460.00 156100.00
2.07	125 mm dia	8.00	Each	5575.00 44600.00
2.07	150 mm dia	12.00	Each	6513.00 78156.00
2.08	Supply and fixing of PVC fills for cooling tower of suitable dimensions having minimum sheet thickness of 0.25 mm etc. complete as required suitable for Cooling Tower of Advance Cooling Towers Pvt Ltd make and Model No: TM 108.	24.00	Each	7409.00 177816.00
		450.00	Each	176.00 79200.00
2.09	Supplying and fixing of 25mm thickness closed cell elastometric nitrile rubber insulation (Class 'O') on the existing surface using suitable adhesive complete in all respect for providing insulation over Chiller, pumps, pipe lines, valves etc including removing of existing old insulation and cleaning the surface etc complete as per specifications.	100.00	Sqm	808.00 80800.00

सहायक महाप्रबंधक (इंजी-विद्युत)
 Asst. General Manager (Engg-Elect.)
 भारतीय वायुसेना / Airports Authority of India
 बंगलूरु अंतर्राष्ट्रीय हवाई अड्डा
 Bangalore International Airport

SCHEDULE OF WORK / ITEM(S)				
Sl.No	Description of Work / Item(s)	No.of Qty	Units	RAMESH ELECTRICALS (GSTN-NA)
2.10	Dismantling of existing MS pipe lines and valves of Condensor water piping of 250/150mm size including cutting, dismantling of Butterfly Valves etc. including stacking and storage upto a lead of 250 Meters complete as required. (Approx pipe length = 60 Meters)	1.00	Job	6192.00
2.11	Dismantling and removing of old PVC fills of existing Cooling tower including dismantling, stacking and storage upto a lead of 250 Meters complete as required. (Cost of one job is considered as total PVC fill quantity for one cooling tower)	3.00	Job	9288.00
Total in Figures (Rs.) excluding GST				4507476.00

Lowest Amount Quoted BY: RAMESH ELECTRICALS(4507476.00)


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