



संदर्भ सं.: भाविप्रा/सूरत/ स.म.प्र.(अभि.-सि)/रिकोन. टी. बी./2024-25/736-748
Ref. No: AAI/SRT/AGM (E-C)/Recon. T.B./2024-25/

दिनांक: 24/07/2024
Date: 24/07/2024

(कार्य आदेश / Work Order)

सेवा में,
मेसर्स, लैंडमार्क कॉर्पोरेशन प्राइवेट लिमिटेड,
215, गीतांजलि आर्केड,
नेहरू रोड, विले पार्ले ईस्ट,
मुंबई, महाराष्ट्र 400057
ईमेल: mailus@landmarkcorporation.co.in
टेली-फैक्स: 022-26127203/26127202

To,
M/s. LANDMARK CORPORATION PVT. LTD.,
403, Gitanjali Arcade,
Nehru Road, Vile Parle East,
Mumbai, Maharashtra 400057.
Email: mailus@landmarkcorporation.co.in
Tele-Fax: 022-26127203/26127202

Name of Work: - "Re-configuration of Existing Terminal Building at Surat Airport."

संदर्भ / Ref.: - आपकी दिनांक 06/05/2024 को खोली गई निविदा की वित्तीय बोली।
(निविदा आईडी सं.: 2024_AAI_188692_1)
Financial bid of your tender opened on 06/05/2024.
(Tender Id No: 2024_AAI_188692_1)

महोदय / Dear Sir,

- ऊपर उल्लेखित कार्य हेतु आपकी ई-निविदा, संलग्न अनुसूची के अनुसार, नियत मद दर पर उद्धृत कुल राशि रु. 13,01,67,054.00 (बिना GST) (रूपये तेरह करोड़ एक लाख सड़सठ हजार चौवन मात्र) जो निविदा की अनुमानित लागत राशि रु. 17,26,08,000.00 (रुपए सत्रह करोड़ छब्बीस लाख आठ हजार मात्र) से 24.58% से नीचे है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार की जाती है।

Your e-tender for the work mentioned above is hereby accepted as per attached schedule on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totalling to **Rs. 13,01,67,054.00 (Without GST) (Rupees Thirteen Crore One Lakh Sixty Seven Thousand Fifty Four Only)**, which is 24.58% below the estimated cost put to tender of **Rs. 17,26,08,000.00 (Rupees Seventeen Crore Twenty Six Lakh Eight Thousand Only)**.

- सहायक महाप्रबंधक (अभि-सिविल), भाविप्रा, सूरत अंतरराष्ट्रीय हवाई अड्डा, सूरत-394550 कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 19/08/2024 तक सहायक महाप्रबंधक (अभि.-सिविल), भाविप्रा सूरत अंतरराष्ट्रीय हवाई अड्डा, सूरत - 394 550 के कार्यालय में उपस्थित हों। संविदा करार रु. 300/- (रूपये तीन सौ मात्र) के गैर न्यायिक स्टांप पेपर पर निष्पादित किया जाएगा और स्टांप पेपर की लागत आपके द्वारा वहन की जायेगी।

Asst. Gen. Manager (Engg-Civil), AAI, Surat International Airport, Surat-394550 shall be Engineer-In-Charge of this work. You are requested to attend the office of Asst. Gen. Manager (Engg.-Civil), AAI, Surat International Airport, Surat-394550 by 19/08/2024 to sign and complete the Contract Agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 300/- (Rupees Three Hundred Only) and the cost of the stamp paper shall be borne by you.

Handwritten signature
24/07/24

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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सूरत अंतरराष्ट्रीय हवाई अड्डा, सूरत
SURAT INTERNATIONAL AIRPORT, SURAT

3. आपकी निविदा के साथ प्राप्त अग्रिम धरोहर राशि रु. 34,52,160.00 (रुपए चौतीस लाख बावन हजार एक सौ साठ मात्र) निविदा दस्तावेज के पृष्ठ GCC-4 पर दी गई अनुच्छेद 1 की शर्त के अनुसार प्राप्त हुआ है। सीपीपी पोर्टल पर AOC होने पर उक्त राशि आपको पुनः देय होगी। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर पूर्ण जमानत राशि रु. 65,08,353.00 (रुपए: पैंसठ लाख आठ हजार तीन सौ तिरपन मात्र) जमा करना है, असफल होने पर पृष्ठ संख्या GCC-16 पर दी गई शर्त 1 (A) के अनुसार चालू बिल से काट लिया जायेगा एवं AOC अग्रिम धरोहर राशि के मूल्य की जमानत राशि संग्रहीत होने पर ही किया जाएगा।

The earnest money amount of Rs. 34,52,160.00 (Rupees Thirty Four Lakhs Fifty Two Thousand One Hundred Sixty Only) received along with your tender as per para-1 on page GCC-04 of the contract document, same shall be returned to you after doing AOC on CPP Portal. Please deposit amount of Rs. 65,08,353.00 (Rupees Sixty Five Lakhs Eight Thousand Three Hundred Fifty Three Only) towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bills as per condition of clause no.1(A) on page GCC-16 of the contract document and AOC shall be done after accumulation of Security Deposit amount equal to EMD amount.

4. कार्य आदेश जारी होने के 30 दिनों के भीतर, आपको पृष्ठ संख्या जीसीसी-15 पर खंड संख्या 1 के अनुसार एक अपरिवर्तनीय निष्पादन गारंटी भा.वि.प्रा. को जमा करनी होगी। जो की राशि रु. 65,08,353 (रुपए पैंसठ लाख आठ हजार तीन सौ तिरपन मात्र) के बराबर एवं किसी राष्ट्रीयकृत/अनुसूचित भारतीय बैंक से बैंक गारंटी के रूप में जारी, परंतु किसी सहकारी या ग्रामीण बैंक से नहीं एवं निविदा दस्तावेज में संलग्न प्रोफार्मा में होगी।

Within in 30 days of issue of work order, you shall submit to AAI, an irrevocable Performance Guarantee as per Clause No.1 at page no. GCC-15 of tender document, of an amount of Rs. 65,08,353 (Rupees Sixty Five Lakhs Eight Thousand Three Hundred Fifty Three Only) in the form of Bank Guarantee from a Nationalized/Scheduled Indian bank but not from any Co-operative or Gramin Bank in the proforma appended in the tender document.

5. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 के प्रावधान का पालन करें और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार का विनियमन और सेवा की शर्त) अधिनियम 1996, भवन एवं अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 47 पर खंड 19 में और केंद्र और राज्य सरकार के नियम में निर्दिष्ट है।

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 Employment and Condition of Service) Act 1996, Building and other Construction Workers Welfare Cess Act 1996 as specified in Clause 19 at page no. 47 of GCC of tender and rules of Central and State Government.

6. आपको यह भी निर्देश दिया जाता है कि आप तुरंत सहायक प्रबंधक (अभि.-सिविल), सूरत हवाईअड्डे से संपर्क करें जो आपको साईट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Asstt. Manager (Engg.Civil), Surat Airport immediately, who will arrange to hand over the site to you.

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24/08/24

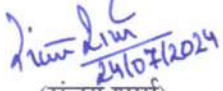
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7. ई-टेंडरिंग प्रक्रिया के दौरान उठाए गए सभी शुद्धिपत्र, प्रश्न, स्पष्टीकरण आदि और उनके उत्तर भी समझौते का हिस्सा होंगे।
All Corrigendum, queries, clarifications etc. raised during e-tendering process and replies thereof shall also form part of the agreement.
8. कृपया ध्यान दें कि कार्य पूरा करने के लिए आपको **06 (छः) माह** का समय प्रदान किया जाता है, जो इस कार्य आदेश जारी करने के दसवें दिन से या कार्य स्थल ग्रहण करने की तिथि, जो भी पहले हो गिना जायेगा।
Please note that the time allowed for carrying out the work shall be **06 (Six) Months** which shall be reckoned from the 10th day after the issue of this letter.
9. अनुबंध के संबंध में आगे कोई भी पत्राचार सामान्य रूप से प्रभारी अभियंता को संबोधित किया जाना चाहिए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
10. कृपया पत्र की पावती भेजे और इस पत्र की नकल पर स्वीकृति की निशानी के रूप में विधिवत हस्ताक्षर करने के बाद अधोहस्ताक्षरी को भेजें।
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. संदर्भ के तहत यह पत्र करारनामे का हिस्सा होगा।
This letter under reference shall form part of Agreement.
12. हिंदी और अंग्रेजी संस्करण के बीच किसी भी विसंगति के मामले में, अंग्रेजी संस्करण मान्य होगा।
In case of any discrepancies between Hindi and English version, English version will prevail.

धन्यवाद /Thanking You,

भवदीय / Yours faithfully,


(संजय शर्मा)

(Sanjay Sharma)

सहायक महाप्रबंधक (अभि.-सिविल)

Asst. Gen. Manager (Engg.-Civil)

सूरत अंतरराष्ट्रीय हवाई अड्डा, सूरत

Surat International Airport, Surat

कृते तथा ओर से अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण

For and on behalf of the Chairman, Airports Authority of India

संलग्न : मात्रा की सूची (पृष्ठ 1 से 22)

Encl.: Schedule of Quantity (Page 1 to 22)

Validate Print Help

Tender Inviting Authority: SM (Engg-Civil), AAI, Surat Airport, Surat

Name of Work: Reconfiguration of Existing Terminal Building at Surat Airport.

Contract No: 2024_AAI_188692_1

Item Rate BoQ

Name of the Bidder/ Bidding Firm / Company :		Landmark Corporation Pvt. Ltd.				
PRICE SCHEDULE						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	5.00	Cum	5500	27500.00	INR Twenty Seven Thousand Five Hundred Only
2	Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturer's specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm2	162.00	Sqm	790	127980.00	INR One Lakh Twenty Seven Thousand Nine Hundred & Eighty Only
3	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.Area of slab over 0.50 sqm	2100	Sqm	4100	8610000.00	INR Eighty Six Lakh Ten Thousand Only
4	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	193.47	Sqm	715	138331.05	INR One Lakh Thirty Eight Thousand Three Hundred & Thirty One and Paise Five Only
5	Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge	8000.00	Kg	125	1000000.00	INR Ten Lakh Only
6	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	2500.00	Kg	550	1375000.00	INR Thirteen Lakh Seventy Five Thousand Only
7	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm	1500.00	Sqm	650	975000.00	INR Nine Lakh Seventy Five Thousand Only

Handwritten signature and date:
24/07/24

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
8	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	1500.00	Sqm	580	870000.00	INR Eight Lakh Seventy Thousand Only
9	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	1500.00	Sqm	1500	2250000.00	INR Twenty Two Lakh Fifty Thousand Only
10	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. a) 110 mm diameter	270.00	Metre	270	72900.00	INR Seventy Two Thousand Nine Hundred Only
11	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	2048.00	Sqm	55	112640.00	INR One Lakh Twelve Thousand Six Hundred & Forty Only
12	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats	2048.00	Sqm	105	215040.00	INR Two Lakh Fifteen Thousand & Forty Only
13	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge a) Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	5.00	Cum	1500	7500.00	INR Seven Thousand Five Hundred Only
14	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	5.00	Cum	2200	11000.00	INR Eleven Thousand Only
15	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge In cement mortar	5.00	Cum	1600	8000.00	INR Eight Thousand Only
16	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	500.00	kg	2	1000.00	INR One Thousand Only
17	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	3600.00	Sqm	45	162000.00	INR One Lakh Sixty Two Thousand Only
18	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	3040.00	Sqm	30	91200.00	INR Ninety One Thousand Two Hundred Only
19	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge, (Glazing, paneling and dash fasteners to be paid for separately) :					
19.1	(a) For fixed portion .Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	750.00	kg	390	292500.00	INR Two Lakh Ninety Two Thousand Five Hundred Only
19.2	(b) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	250.00	kg	450	112500.00	INR One Lakh Twelve Thousand Five Hundred Only
20	Providing and fixing 12 mm thick prelaminate particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	150.00	Sqm	900	135000.00	INR One Lakh Thirty Five Thousand Only

21-11-24
24/07/24

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
21	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item); With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	150.00	Sqm	1200	180000.00	INR One Lakh Eighty Thousand Only
22	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item); With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	28.00	Sqm	1250	35000.00	INR Thirty Five Thousand Only
23	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns as per CPWD Specification 2019, to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33 mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with pre-cut hole on both 25 mm flange to pierce into 12x50 mm or even bigger size dash fastener if require, fixed with Galvanised iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. (a) With 15 mm thick tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles Confirming to JIS-Z2801 and ASTM G-21	1200.00	Sqm	2050	2460000.00	INR Twenty Four Lakh Sixty Thousand Only
24	Providing and fixing 12mm Thick Toughen Glass Partition with all screws, accessories as per direction of Engineer-in-charge. The cost of SS support members shall be paid separately.	103.00	Sqm	1900	195700.00	INR One Lakh Ninety Five Thousand Seven Hundred Only
25	Designing, Providing and fixing perforated Aluminium Panel ceiling manufactured of approved colour consisting of panels 30mm/80mm/130mm/180mm wide x 15mm deep x 0.5mm thick minimum with square edges, panel length up to 6 mtrs. Coil Coated on a Continuous Paint Line, Double baked and roll formed from enamelled corrosion resistance Aluminium Alloy AA 5050 (Al. Mg) for higher strength and good roll forming characteristics. Panel shall be clipped to baked enamelled Aluminium panel carrier of 62mm wide x 29mm deep made of 0.95mm thick in standard length of 5mtrs made of double baked enamelled Aluminium alloy AA 5050 (Al. Mg.) black with cut outs to hold the panels in a module of 50mm (width of gap 20mm open) and at a distance 1.85mtrs without insulation and 1.65mtrs with insulation. The Carrier shall be suspended by means of suspension system as per manufacturer specifications. Recess Join Profiles are made of enamelled aluminium and shall be inserted in between the panel on top of the panel flanges. Aluminium panels shall be chromatised for maximum bond between metal and paint enamelled twice under high temperature, one side with full primer and finish coat, the other side (inner side) with a primer coating and Skin Coat on a Continuous Paint Line.	5434.00	Sqm	5800	31517200.00	INR Three Crore Fifteen Lakh Seventeen Thousand Two Hundred Only
26	Supply and apply a carbon fiber wrapping work stitched one directional, high strength CFRP fabric as per specification product sikewrap-230c or equiv. along with solvent free, thixotropic epoxy based impregnating resin/adhesive for low density fabric for base and top coat. sikadur-330 including grinding & rounding of concrete surface including application of adhesive & fabric, labour, tools & tackles with material.	324.00	Sqm	3300	1069200.00	INR Ten Lakh Sixty Nine Thousand Two Hundred Only
27	Applying and Providing 50mm wide X 1.40mm Thick carbon fibre laminate system -sika carbodure S514 alongwith suitable adhesive like Sikadur 30LP including cost of grinding, levelling at required surfaces, material, labour, tools & tackles etc. including necessary dismantling works like masonry, plaster & wooden/ Aluminium partitions etc.	324.00	Sqm	7500	2430000.00	INR Twenty Four Lakh Thirty Thousand Only
28	Providing and fixing Pigeon/Bird net to prevent bird sitting on pipes, cable tray and where required i/c necessary scaffolding and arrangement of opening with zip for maintenance purpose of high etc complete as per the direction and satisfaction of the Engineer-in-Charge. etc complete.	1310.00	Sqm	85	111350.00	INR One Lakh Eleven Thousand Three Hundred & Fifty Only
29	Dismantling existing panels of aluminium composite panel cladding made out of 4mm thick aluminium composite panel material in all shape from main porch of the terminal building, bull nose in city side and air side of the terminal building including transportation and stacking up to 0.50 Km from site. The cost includes all kinds of manpower, tools and machines for removing of ACP panels up to all heights complete as per directions of the Engineer-in-charge.	1605.00	Sqm	25	40125.00	INR Forty Thousand One Hundred & Twenty Five Only
30	Providing and fixing solid acrylic polymer of approved make in orange colour with necessary adhesive, screws, nails and nuts etc. wherever necessary including bending in desired shape if required as per drawing complete as per direction of Engineer-in-charge.	139.00	Sqm	8350	1160650.00	INR Eleven Lakh Sixty Thousand Six Hundred & Fifty Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
31	Providing and fixing ISI Marked Commercial plywood of approved brand like kitply, greenply or equivalent with necessary screws, nails and nuts wherever necessary etc. complete as per direction of Engineer-in-charge.(c) 18 mm thick ISI Marked commercial plywood.	192.00	Sqm	1450	278400.00	INR Two Lakh Seventy Eight Thousand Four Hundred Only
32	Providing and fixing local art/mural etc. in terminal building all complete as per directions of Engineer-in-charge.NOTE: The type of art indicated in the sub items below may change as per the requirement of the Competent Authority / Engineer In Charge. Hence Bidders may quote rates accordingly.					
32.1	(a) Local art like Lipan art or silimar etc.	35.00	Sqm	25000	875000.00	INR Eight Lakh Seventy Five Thousand Only
32.2	(b) Local art like varli art etc	35.00	Sqm	24000	840000.00	INR Eight Lakh Forty Thousand Only
32.3	(c) Local art like pithora art etc	35.00	Sqm	27000	945000.00	INR Nine Lakh Forty Five Thousand Only
32.4	(d) Local Furniture (decorative chairs, table, teapoy etc) shankheda Furniture or equivalent. One set of Furniture includes 10 Two seater sofa, 30 One seater, 10 Center Tables	1.00	Set	410000	410000.00	INR Four Lakh Ten Thousand Only
32.5	(e) Provision on 3d murals defcating local art projection at different places inTerminal Building as per requirement and directions of Engineer In Charge.	20.00	Sqm	65694	1313880.00	INR Thirteen Lakh Thirteen Thousand Eight Hundred & Eighty Only
33	Providing and fixing aluminium work for ACP Caldding on Walls, Columns, Duct Covering etc. using Aluminium Tubular, L, T etc. sections as per the approved design and drawings at all heights and levels.	3163.00	Kg	380	1201940.00	INR Twelve Lakh One Thousand Nine Hundred & Forty Only
34	Providing and fixing 4mm thick Aluminium Composite Panels (ACP)/ Aluminium Composite Material (ACM) of grade 5005 alloy 8t fire retardant (FR) grade mineral filled inorganic core of compliance to A2-s1,d0 for cladding of columns, walls, jambs, sills, projected area/ fascia, ceiling, decorative cladding on any surface to any profile and shape (pan shape) using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. at horizontally/ vertically/ sloped/ curved/ circular etc. for all heights and levels as per drawings and specifications. Base frame work for ACP I ACM cladding is payable under the relevant aluminium items.	1938.00	Sqm	5700	11046600.00	INR One Crore Ten Lakh Forty Six Thousand Six Hundred Only
35	Providing & Applying PU coating of approved brand and manufacture of required colour to give an even shade primer and all complete as per direction of Engineer in charge. On steel work	200.00	Sqm	180	36000.00	INR Thirty Six Thousand Only
36	Repairing of water leakage from Sun-roof glass edges on existing roof of old Terminal Building by removing of existing flashing covering and supplying and fixing of 2mm thick aluminium grade 1100/1200 Hindalco / Jindal / Balco or equivalent flashing material (Girth up to 610mm) with Tungsten Inert Gas (TIG) welding , complete as per directions of Engineer-in-charge.	716.00	RMT	3800	2720800.00	INR Twenty Seven Lakh Twenty Thousand Eight Hundred Only
37	Removal of Top Glass glazing and Refixing the same after new flashing installation, Including necessary Sealants / Tapes, Cleaning etc. Qty for Opening Size 43.000 mtr X 1.750 mtr X 8 nos. Note: If Any Glass Broken during removal and refixing. New Glass material to be provided by AAI, Or will be procured by vendour on approval of additional cost for it's material only.As Directed By The Engineer-In-Charge	602.00	Sqm	2550	1535100.00	INR Fifteen Lakh Thirty Five Thousand One Hundred Only
38	Providing of detailed working drawings (up to three revisions) for old Terminal Building having area approximate 8500 sqm for fixing of false ceiling. Aluminium Composite Panel (ACP) cladding work on columns wall, lifts & facade etc. wherever applicable matching with the pattern of both sides extended portion of new Terminal Building. The successful contractor will also provide three sets of colour working drawing for electrical fittings & all wiring and conducting work to be carried out inside / outside of the ACP work and & false ceiling work, for approval by Engineer-in-charge before commencement of particular job of ACP Cladding, False ceiling, conducting, and wiring etc. complete as per the directions of the Engineer in Charge.	1.00	Job	14000	14000.00	INR Fourteen Thousand Only
39	Electrical Works: SH I:- Internal & External Electrical Work Supply of 3.5 X 25 sq. mm XLPE insulated, PVC innersheathed and armoured Copper conductor cable of 1.1KV grade confirming to IS:7098 with up to date amendments etc as required.	516.00	Meter	895	461820.00	INR Four Lakh Sixty One Thousand Eight Hundred & Twenty Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
40	Supply of 4 X 10 sq. mm XLPE insulated, PVC innersheathed and armoured Copper conductor cable of 1.1KV grade confirming to IS:7098 with up to date amendments etc as required.	1620.00	Meter	435	704700.00	INR Seven Lakh Four Thousand Seven Hundred Only
41	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.	2500.00	Meter	250	625000.00	INR Six Lakh Twenty Five Thousand Only
42	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.	2000.00	Meter	245	490000.00	INR Four Lakh Ninety Thousand Only
43	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 4 sq. mm + 1 X 4 sq. mm earth wire sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.	2000.00	Meter	280	560000.00	INR Five Lakh Sixty Thousand Only
44	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required					
44.1	Group C	140.00	Point	1250	175000.00	INR One Lakh Seventy Five Thousand Only
45	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	1303.00	Point	510	664530.00	INR Six Lakh Sixty Four Thousand Five Hundred & Thirty Only
46	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	100.00	Each	293	29300.00	INR Twenty Nine Thousand Three Hundred Only
47	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	200.00	Each	380	76000.00	INR Seventy Six Thousand Only
48	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB double door 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)					
48.1	4 way (4+12), Double door	8.00	Each	3250	26000.00	INR Twenty Six Thousand Only
48.2	8 way (4+24), Double door	24.00	Each	4630	111120.00	INR One Lakh Eleven Thousand One Hundred & Twenty Only
49	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)					
49.1	8 way (2+4), Double door	10.00	Each	1980	19800.00	INR Nineteen Thousand Eight Hundred Only
50	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Single pole in the existing MCB DB complete with connections, testing and commissioning etc. as required.	750.00	Each	250	187500.00	INR One Lakh Eighty Seven Thousand Five Hundred Only
51	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST In Rs. P	TOTAL AMOUNT In Words
51.1	40 A	8.00	Each	2950	23600.00	INR Twenty Three Thousand Six Hundred Only
51.2	63 A	20.00	Each	3200	64000.00	INR Sixty Four Thousand Only
52	Supplying and fixing Cable End Box (Loose wire box) (IP 43) suitable for For 8 way, Double door TPN MCBDB triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required.					
52.1	For 4 way, Double door TPN MCBDB	8.00	Each	1050	8400.00	INR Eight Thousand Four Hundred Only
52.2	For 8 way, Double door TPN MCBDB	20.00	Each	1650	33000.00	INR Thirty Three Thousand Only
53	Supplying and fixing Cable End Box (Loose Wire Box) (IP 43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with testing and commissioning etc. as required.					
53.1	For 8 way, Double door SPN MCBDB	8.00	Each	890	7120.00	INR Seven Thousand One Hundred & Twenty Only
54	Supplying and fixing 25 Amp rating, Double pole, 230 V, residual current circuit breaker (RCCB), having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	8.00	Each	2270	18160.00	INR Eighteen Thousand One Hundred & Sixty Only
55	Supplying and fixing of 25 mm sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.	500.00	Meter	140	70000.00	INR Seventy Thousand Only
56	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	20.00	Each	1890	37800.00	INR Thirty Seven Thousand Eight Hundred Only
57	Supplying and fixing 20 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 20 A, "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	10.00	Each	2862	28620.00	INR Twenty Eight Thousand Six Hundred & Twenty Only
58	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
58.1	5/6 amps switch	270.00	Each	55	14850.00	INR Fourteen Thousand Eight Hundred & Fifty Only
58.2	3 pin 5/6 amp socket outlet	270.00	Each	86	23220.00	INR Twenty Three Thousand Two Hundred & Twenty Only
58.3	15/16 amp switch	360.00	Each	95	34200.00	INR Thirty Four Thousand Two Hundred Only
58.4	6 pin 15/16 amp socket outlet	360.00	Each	140	50400.00	INR Fifty Thousand Four Hundred Only
59	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.					
59.1	Upto 35 sq. mm	1400.00	Meter	24	33600.00	INR Thirty Three Thousand Six Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
60	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.					
60.1	Upto 35 sq. mm	200.00	Meter	18	3600.00	INR Three Thousand Six Hundred Only
61	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on cable tray as required.					
61.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	400.00	Meter	28	11200.00	INR Eleven Thousand Two Hundred Only
62	Supply of 450 mm hi-speed Wall fan with other accessories, etc as required.	20.00	Each	2800	56000.00	INR Fifty Six Thousand Only
63	Supply of 1200mm sweep, white colour 5 star rating energy saving ceiling fans suitable for 230 volt, with 30 cm down rod and other accessories, canopies, with out regulator etc as required.	20.00	Each	1900	38000.00	INR Thirty Eight Thousand Only
64	Providing and fixing hexagonal recess type fan box 130 mm size between two opposite faces made of 16 SWG MS sheet with suitable size MS rod hook welded on both sides of box for hanging of ceiling fan and medium bay light fixtures with hylam sheet cover at bottom complete as required.	12.00	Each	260	3120.00	INR Three Thousand One Hundred & Twenty Only
65	Installation, testing and commissioning of ceiling fan, including supply of step type modular fan regulator (100W) and wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	12.00	Each	410	4920.00	INR Four Thousand Nine Hundred & Twenty Only
66	Supply & installation of 10 KVA Online UPS - 3 Phase Input & 3 Phase Output — Double Conversion with built-in Isolation Transformer, IGBT Based Technology Battery Back-up 30 minutes (approx.) of total 10000 VAH (12V x Battery Ah x No. of battery).	6.00	Each	215000	1290000.00	INR Twelve Lakh Ninety Thousand Only
67	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					
67.1	3.5 X 25 sq. mm (28 mm)	52.00	Each	240	12480.00	INR Twelve Thousand Four Hundred & Eighty Only
67.2	4x10 sq. mm (25 mm)	8.00	Each	240	1920.00	INR One Thousand Nine Hundred & Twenty Only
68	Supply & Fixing of stainless steel wall mounting fully automatic Hand Dryer having air speed of 95 M/s 25000 RPM, less then 20 sec. dry time, 550W suitable for 230V, 50Hz, less then 80DB noise level complete as required.	15.00	Each	15000	225000.00	INR Two Lakh Twenty Five Thousand Only
69	Supply of sizes 3 core 1.5 sqmm of PVC insulated and PVC Round Sheathed, Copper Conductor (flexible) industrial cable, 1100 Volts, conforming to IS: 694 etc complete as required.	1000.00	Meter	23	23000.00	INR Twenty Three Thousand Only
70	Laying of 3Cx 1.5 sqmm PVC insulated 1.1 KV Copper Conductor (flexible) industrial cable in existing conduit complete as required.	900.00	Meter	11	9900.00	INR Nine Thousand Nine Hundred Only
71	Supply of 34/36 watt LED recessed mounted type (2 x 2 feet) powder coated CRCA housing luminaire with heat sink installed back side, high quality diffuser fix in front frame total system wattage less than 36W with LED, complete with electronic driver, lockable holders and including connection etc. as required. Make & model equivalent to Philips RC380B LED36S-6500 G6 L60W60 PSU OD	330.00	Each	1300	429000.00	INR Four Lakh Twenty Nine Thousand Only
72	Supply of 15 watt LED downlighter fixture complete with electronic driver, lockable holders and including connection etc. as required. Make & model equivalent to Philips DN296B LED15S-6500 PSU WH.	200.00	Each	430	86000.00	INR Eighty Six Thousand Only
73	Supply of 42/44 watt LED Recess mounted type (Approx. 1130 x 50 x 75mm) powder coated CRCA housing luminaire with heat sink installed back side, high quality diffuser fix in front frame total system wattage less than 43W with LED, complete with electronic driver, lockable holders and including connection etc. as required. Make & model equivalent to Philips BN170C LED 40S-6500 PSU L 120	110.00	Each	465	51150.00	INR Fifty One Thousand One Hundred & Fifty Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
74	Supply of 20 W LED (4 ft.) Baton integrated light fitting complete as required. Make & model equivalent to Philips SP780 H LED25S-6500 PSD W5L112 OD WH	370.00	Each	3700	1369000.00	INR Thirteen Lakh Sixty Nine Thousand Only
75	Supply of 135 watt LED highbay luminaire powder coated high pressured diecast aluminium housing luminaire with extruded aluminium heat sink installed back side, secondary optics lens, high quality diffuser fix in front frame total system wattage less than 135 W with LED (Highbay luminaire), complete with electronic driver, provided eyebolt for suspension mounting including connection etc. as required. BY515P LED200S 5700 NB S1 PSU GR	40.00	Each	3800	152000.00	INR One Lakh Fifty Two Thousand Only
76	Installation, testing and commissioning of pre-wired, LED fitting (2 x 2 feet) of recessed / surface mounted complete with all accessories etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	550.00	Each	135	74250.00	INR Seventy Four Thousand Two Hundred & Fifty Only
77	Installation, testing and commissioning of 15 W LED fitting on recessed / surface mounted complete with all accessories etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	200.00	Each	125	25000.00	INR Twenty Five Thousand Only
78	Installation, testing and commissioning of pre-wired, 135 W LED highbay luminaire light fitting mounted complete with all accessories etc. directly on canopy of terminal building with suitable GI clamp, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	40.00	Each	125	5000.00	INR Five Thousand Only
79	Installation, testing and commissioning of 42/44 W LED fitting on recessed / surface mounted complete with all accessories etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	370.00	Each	225	83250.00	INR Eighty Three Thousand Two Hundred & Fifty Only
80	Installation, testing and commissioning of 20 W LED (4 ft.) Baton integrated light fitting complete with all accessories etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	370.00	Each	135	49950.00	INR Forty Nine Thousand Nine Hundred & Fifty Only
81	Supply, replacement/installation, testing & commissioning of 1200mm size(minimum) air curtain suitable to operate on single phase, 230V, 50Hz power supply and conforming to the tender specifications:- 1.Type:Horizontal 2. Body Material:GI /Aluminium 3.Body Coating:Powder coated with white colour. 4.Impeller:Aluminium 5.Average outlet velocity:-9-10m/s(minimum) 6.Air Discharge Angle:Vertical Down 7.Noise level:-Not more than 65DB	6.00	Each	1690	10140.00	INR Ten Thousand One Hundred & Forty Only
82	Supply, replacement/installation, testing & commissioning of automatic motorized double leaf sliding glass door opener suitable to operate on single ph, 230V, 50Hz power supply for following opening sizes consisting of all fitting accessories and automation system as per tender specifications comprising of double leaf sliding door actuator with photocells, a pair of microwave radar, microprocessor controller with adjustable parameters for opening, closing speed, hold open time, reversing when obstructed arrived and other accessories i.e. Electromechanical lock with manual/remote release device, Central rabbit seal etc for sliding glass panels complete in all respect. There shall be provision for auto operation of air curtain for automatic On / Off control i.e. Air curtain shall be activated when door is opened, turned off when door is closed. The sliding door opener shall be suitable for existing 12mm thick frame toughened glass.					
82.1	Width up to 2.00 mtrs x Height up to 3.00 mtrs.	6.00	Job	32000	192000.00	INR One Lakh Ninety Two Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
83	Supply, installation, testing and commissioning of wall mounted sensor based bi-level drinking water fountain with water bottle dispenser consisting of pressure boosting system (in built pressurised system for obtaining the operating pressure rang between 20 to 120 PSI), multistage RO system, cooling system suitable for operation at 230 V $\pm$ 10%, single phase, 50Hz, AC supply i/c all necessary integration, interconnections, fixing material with suitable sizes of accessories, SS foundation frame complete as required & as per site, Dimension (in Inches): HxWxD (39x57x20) Wall opening on 4 inches skirting from the floor with following:- 2 Nos contactless sensor based bubbler / spout with basin for each bubbler / spout, one at normal height and other at lower height as per relevant Standard i/c front top panel and perforated front bottom panel alongwith suitable fixing arrangement complete as per the specification. Note: Bubbler / Spout, Basin & Panels shall be made of Stainless steel. 1 No. water bottling dispensers with having capacity of 60 LPH 3 Nos pressure boosting system and each pressure boosting system shall have Hydronuematic tank, differential pressure switch of suitable capacity to meet the operating pressure range of 20 to 120PSI complete as per the specification. 4 nos. Multistage online RO system having discharge capacity of 50 LPH each and each RO should have the pressure pump, membrane, different types of filters such as pre-filters, Particulate Filter, Sediment Filter, Pre Carbon Filter, Post Carbon Filter, TDS controller, UV system etc. of suitable capacity with all other accessories such as, valves, control device, interconnecting pipes, fixing arrangement etc. and as per enclosed specifications complete as required 3 Nos. Online remote chiller unit and each online chiller shall have cooling capacity of 30 LPH each, with R-134a referigent, thermostat & its adjustable control system, suitable for operation on 230 V $\pm$ 10%, single phase, 50Hz, AC supply complete all as required and as per enclosed specifications Supply of RO consumables for 4 No. 50 LPH RO after completion of work till the completion of DLP of 1 year.	5.00	Job	39000	195000.00	INR One Lakh Ninety Five Thousand Only
84	SH-II: Signages: Ceiling Hung Directional Sign Refer design drawing 2.1aS, 2.1aG Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame : Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook & Loop tape from the other side so as the panel be easily openable for maintenance. Suspender : Providing and fixing Stainless steel 35 x 35mm Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls. Lighting : All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.					
84.1	Message 1	3.00	Job	3600	10800.00	INR Ten Thousand Eight Hundred Only
84.2	Message 2	3.00	Job	49000	147000.00	INR One Lakh Forty Seven Thousand Only
84.3	Message 3	3.00	Job	59000	177000.00	INR One Lakh Seventy Seven Thousand Only
84.4	Message 4	3.00	Job	65000	195000.00	INR One Lakh Ninety Five Thousand Only
84.5	Message 5	3.00	Job	74000	222000.00	INR Two Lakh Twenty Two Thousand Only
85	Wall Projected Directional Sign Refer design drawing 2.1c-S, 2.1c-G: Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook & Loop tape from the other side so as the panel be easily openable for maintenance. Tension Rod: Providing and fixing tension rod in brush finished S.S. with the turn buckle system. Tension rod shall be fixed to the sign structure and the sign frame with S.S. gusset plates. Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.					

Signature
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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
85.1	Message 1	4.00	Job	33000	132000.00	INR One Lakh Thirty Two Thousand Only
85.2	Message 2	2.00	Job	49000	98000.00	INR Ninety Eight Thousand Only
85.3	Message 3	2.00	Job	57000	114000.00	INR One Lakh Fourteen Thousand Only
85.4	Message 4	2.00	Job	63000	126000.00	INR One Lakh Twenty Six Thousand Only
85.5	Message 5	2.00	Job	71000	142000.00	INR One Lakh Forty Two Thousand Only
86	Wall Mounted Facility Announcer -2.2c-S, 2.2c-G: Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook & Loop tape from the other side so as the panel be easily openable for maintenance. Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	5.00	Job	17000	85000.00	INR Eighty Five Thousand Only
87	Wall Projected Facility Announcer 2.2b-S, 2.2b-G -: Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook & Loop tape from the other side so as the panel be easily openable for maintenance. Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	5.00	Job	27000	135000.00	INR One Lakh Thirty Five Thousand Only
88	Ceiling Hung Facility Announcer -2.1c-S, 2.1c-G, Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The back face shall be 3mm thick ACP fixed to sign frame with VHB tape in one side and signage sheet shall be fixed with Hook & Loop tape so as the panel be easily openable for maintenance. Suspender: Providing and fixing Stainless steel 35 x 35 x 2 mm Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls. Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	5.00	Job	31000	155000.00	INR One Lakh Fifty Five Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
89	Belt No. sign -2.2h-S, 2.2h-G: Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign Box: Providing and fixing sign box with laser cut Bent Fabrication in 5mm thick 040 acrylic with pantone yellow C Vinyl pasted over acrylic. Block out vinyl for text Pantone Black 6C. Complete box excluding bottom side is lighted with internal LED lighting. Acrylic fabrication shall have transparent structural supports for obstruction free lighting. Box to be directly mounted on the sign structure. Bottom panel: Bottom MS Panel powder coated in colour to match Vinyl Black of Pantone Black 6C. Sign Structure: Type 2 All structural members in SS square post 75 x 75 x 2.5 mm (assuming typical length of 2.7 meter), brush finished. base plate fixed to existing floor. All hardware used for fixing of sign shall be Stainless steel Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall have closed with a 3 mm thick SS plate as specified and approved by the Engineer-In- charge. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, etc required for fixing the sign in an internal location. Lighting: All internal illumination shall be using LED strip Lights from of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	2.00	Job	39000	78000.00	INR Seventy Eight Thousand Only
90	Utility Signs - Washroom / Drinking Water / Baby care -2.4a-S, 2.4a-G: Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook & Loop tape from the other side so as the panel be easily openable for maintenance. Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.					
90.1	Wall Projected (Double Side - Sign face in acrylic)	4.00	Job	18200	72800.00	INR Seventy Two Thousand Eight Hundred Only
90.2	Wall mounted (Single side content - Sign Face: acrylic, and Back: 3mm ACP)	4.00	Job	17500	70000.00	INR Seventy Thousand Only
90.3	Ceiling mount (Double Side - Sign face in acrylic)	4.00	Job	18900	75600.00	INR Seventy Five Thousand Six Hundred Only

J. A. C.
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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
91	SH-III : HVAC works SITC of Air Handling Units : Supply, Installation, Testing and commissioning of factory built (suitable for assembling at site in terminal Building AHU room) floor mounted chilled water double skin type horizontal air handling units made with Thermal Break Profile 46 -50 mm panel thickness consisting of pre plasticized G.I. casing of thickness 1 mm outside layer and 1 mm inside layer with CFC free polyurethane foam (PUF) insulation factory injected between them by injection moulding machine, complete with blower section with blower suitable for static pressure of 70 mm WC, minimum 2 bend GSS/PVC eliminators, cooling coil section with aluminium finned copper tubes (tubes thickness not less than 0.5 mm) cooling coil of 6 row deep, filter section with 50 mm thick washable synthetic type air prefilters, MERV-8 Pre-filter section (90% down to 10 microns), MERV 14, (MERV-15), UV-C Lamp system (UL Rated) for minimum 90% kill rate in single pass for corona virus, backward curve belt drive DIDW blower fan package with TEFC drive motor of efficiency class IE3 suitable for 415 ± 10% V, 50Hz, 3 Phase AC supply suitably designed for variable frequency drive applications, drain connections, stainless steel (1.25mm thick) drain pan with PUF insulation, 3mm thick galvanised steel base channel frame, 150 mm dia. dial type pressure gauges (2 Nos.) and industrial type thermometers (2 Nos.) at the inlet and outlet of AHU and necessary vibration isolation arrangement, Duct flexible connector (fire proof) shall be provided at outlets and return connection of AHU etc. with SITC of starter panel with VFD (fabricated out of powder coated 16 gauge CRCA sheet) and control accessories i/c LED indicating lamp, Sensor for operation of fire damper, inter connection and other accessories as per specification for following capacities. VFD should have suitable communication port to work with BMS system, starter panel should have minimum 04 potential free contacts. The EC motor shall have the following protective features integrated in the controller: 1) Overvoltage protection 2) Short Circuit protection 3) Under voltage/ Over voltage detection 4) Locked rotor protection 5) Line fault detection 6) Active Temperature Management for thermal protection of motor and electronics 7) Alarm relay 250V/2A 8) Over temperature protection of electronic and motor 9) External LED display shall be provided for indication of the status of the fan Safety Features : 1) The Fan Access Door shall be equipped with micro-switch inter locked with fan motor to enable switching off the fan motor automatically in the event of door opening. 2) The Access Door shall further have wire mesh screen as an added safety feature bolted on to the unit frame.					
91.01	AHU-01 (17500 CFM)	2.00	Nos	1400000	2800000.00	INR Twenty Eight Lakh Only
91.02	AHU-02 (23500 CFM)	2.00	Nos	880000	1760000.00	INR Seventeen Lakh Sixty Thousand Only
91.03	AHU-04 (10000 CFM)	1.00	Nos	550000	550000.00	INR Five Lakh Fifty Thousand Only
91.04	AHU-05 (18000 CFM)	2.00	Nos	730000	1460000.00	INR Fourteen Lakh Sixty Thousand Only
91.05	AHU-06 (22500 CFM)	1.00	Nos	830000	830000.00	INR Eight Lakh Thirty Thousand Only
91.06	AHU-08 (13700 CFM)	2.00	Nos	615000	1230000.00	INR Twelve Lakh Thirty Thousand Only
91.07	Treated Fresh Units	1.00	Set	123000	246000.00	INR Two Lakh Forty Six Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
92	B.) VENTILATION SYSTEM PROPELLER FAN Supply, installation, testing and commissioning of Insulated Cabinet Inline Fan shall be of high efficiency forward curved DIDW type. The cabinet of the fan shall be of double skin construction with 20 gauge GI outer skin with 25 mm glass wool wrapped tissue paper and covered with 20 gauge perforated GI sheet from inside and complete with inlet and outlet spigots. The scroll of the fans should be fabricated with galvanized sheet steel. The motor of the fans shall be Squirrel cage induction type with bearings sweated for life. The motor shall be energy efficient suitable for single phase electrical supply. The Mounting brackets and access panel should be fitted. All fans shall be selected for the lowest operating noise level. Unit shall be complete and comply as per AAI technical specifications.					
92.1	EXHAUST FAN - 1000 CFM	2.00	Nos	47000	94000.00	INR Ninety Four Thousand Only
92.2	EXHAUST FAN - 1500 CFM	3.00	Nos	51000	153000.00	INR One Lakh Fifty Three Thousand Only
93	C.) AIR DISTRIBUTION SYSTEM SITC of Factory fabricated 120 gsm G.I Sheet Metal Ducting (26 G, 24 G 22 G, 20 G, 18 G, 16 G) Supply, installation and testing of FACTORY FABRICATED class-VIII, 120 GSM GI sheet metal ducts in accordance with the approved shop drawings and as required by the specifications. GI sheet will be as per IS-277 and factory fabrication duct shall be as per SMACNA. All necessary GI supports using thread rods (as directed) and anchor bolts, Self adhesive Neoprene rubber / UV resistant PVC foam turning vanes, splitters shall be included in the scope. No slip joint is allowed in any type of ducting. Only flanged joint with rubber gasket/PVC foam is allowed. Duct Pressure testing of all main duct and main branches as per latest SMACNA standard for permissible air leakage shall be inclusive. Distance of reinforcement/bracing from each joint. Bracing material to be same as of material used for joining of duct sections. All duct joint, corners, flanges joints etc. shall be properly covered with food grade silicon sealant for leak proof application inspite of leak proof duct joints and shall be complete in accordance with AAI technical specification. FOR DUCTS WITH EXTERNAL SP UPTO 500 Pa RECTANGULAR DUCT GS DUCT SECTION LENGTH 1.2m (4ft) Maximum Duct Size					
93.1	1- 400 mm (24G)	1500.00	Sqm	1015	1522500.00	INR Fifteen Lakh Twenty Two Thousand Five Hundred Only
93.2	401-900 mm (22G)	1000.00	Sqm	1175	1175000.00	INR Eleven Lakh Seventy Five Thousand Only
93.3	901-1200 mm (20G)	600.00	Sqm	1750	1050000.00	INR Ten Lakh Fifty Thousand Only
93.4	1201-2100 mm (18 G)	200.00	Sqm	1325	265000.00	INR Two Lakh Sixty Five Thousand Only
94	CANVASS CONNECTION Supply, fabrication, installation and testing of fire retarding flexible heavy canvas sleeve at least 10cm long securely bonded and bolted on both sides for AHUs, CAHUs, Fans etc. Quoted rates shall include the necessary mounting arrangement, flanges, nuts and bolts and treated-for-fire requisite length of canvass cloth. System shall be complete in	50.00	Sqm	2300	115000.00	INR One Lakh Fifteen Thousand Only
95	SITC of Supply and Exhaust Air grilles Supply, installation, testing and balancing of powder coated Extruded Aluminium construction Supply Air Grilles with removable key operated volume control dampers shall be of double deflection type. The outer frame shall be made of aluminium. All grilles shall have a soft, continuous rubber gasket between the periphery of the grille and the surface on which it has to be mounted. Grille shall be given a rust inhibiting prime coat and factory applied powder coated finish of approved colour. System shall be in compliance with AAI technical specifications.					
95.1	Supply Air Grilles	60.00	Sqm	7900	474000.00	INR Four Lakh Seventy Four Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
95.2	Exhaust Air Grilles	80.00	Sqm	5500	440000.00	INR Four Lakh Forty Thousand Only
96	SiTC of Jet Nozzle of different CFM	60.00	Each	4100	246000.00	INR Two Lakh Forty Six Thousand Only
97	MOTORIZED FIRE & SMOKE DAMPER (ON /OFF TYPE) Supply, installation, testing and commissioning of Motorized fire & Smoke Damper shall have fire rating of 1.5 Hrs in accordance with latest edition of UL555 and shall be classified as Leakage Class 1 smoke damper in accordance with latest edition of UL555S. Each fire/smoke damper shall be AMCA licensed and bear the AMCA seal for air Performance. Actuators used shall be UL listed. Damper shall be of multi-leaf type and provided with Spring Return electrical actuator having its own thermal trip for ambient air temperature outside the duct and air temperature inside the duct. Actuator shall have Form fit type of mounting, metal enclosure and guaranteed long life span. The dampers shall meet the requirements of NFPA90A, 92A and 92B. Bigger size Dampers shall be supplied in Multiple modules of sizes not exceeding in dimensions of certified module, jack shafted together. Multiple actuators shall be provided for large dampers with higher torque requirements as prescribed in UL. Electric Actuator of suitable Torque and as approved by UL shall be factory mounted and tested. The actuator shall be suitable for 230V AC supply. In addition actuator shall have elevated temperature rating of 350 deg.F. Fire retardant cables wherever required for satisfactory operation and control of the Damper. Fire/smoke damper shall be provided with factory fitted sleeves; however, access doors shall be provided in the ducts within AHU room. The necessary additional spare actuators and temperature sensor (a minimum of 5% of the total number installed) at the time of commissioning of the installation. Dampers shall be spring return, motorized & failsafe type with indication for open/ close position. Damper operation shall be interlocked with the signal from fire alarm panel. Fire dampers shall be compatible with the fire detection system of building & shall be capable of operating automatically through an electric motor on receiving signal from fire alarm panel. (v) Access door will be provided in the duct before each set of fire dampers. (vi) Potential free contact shall be provided by the vendor for closing of fire & smoke damper. On expiry of fire signal, fire & smoke dampers shall be opened manually through reset button. System shall be complete in accordance with AAI technical specifications.	25.00	Sqm	11500	287500.00	INR Two Lakh Eighty Seven Thousand Five Hundred Only
98	Supply, installation, testing and commissioning of Actuators 15Nm Torque with control wiring.	20.00	Nos	1040	20800.00	INR Twenty Thousand Eight Hundred Only
99	VOLUME CONTROL DAMPERS Supply, installation, testing and balancing of opposed blade volume control dampers shall be of Galvanised iron construction with louver dampers of robust construction and tightly fitted. The sheet thickness of blade shall be 0.8 mm and of the frame shall be 1.0 mm. Dampers shall be provided with suitable links, levers and quadrants as required for their proper operation; control or setting devices shall be made robust, easily operable and accessible through suitable access doors in the ducts. Volume control Damper (opposed bladed type with min. 18 gauge blades and 18 gauge casing of GSS) in the main branches. System shall be complete in accordance with AAI technical specifications.	40.00	Sqm	6450	258000.00	INR Two Lakh Fifty Eight Thousand Only
100	Duct Thermal Insulation as per specification Supply and installation of Closed Cell Nitrile rubber for duct thermal insulation of Supply & Return air duct. Nitrile rubber shall be Factory laminated black fiberglass cloth closed cell Elastomeric UV resistant. Thermal conductivity for the insulation material shall not exceed 0.034 W/mK at an average temperature of 25-30 Deg. C. Nitrile rubber shall be 40-60 Kg/m ³ . The material should comply to Class'O' fire rating. The insulation material shall be non-combustible as per National Building Code 2016, Clause: 3.4.8.3.5 Part 4 Fire and Life Safety and should comply latest ECBC norms, fire rated for BS 476 Part 4 (Non -Combustible), BS 476 Part 5 (Ignitibility Test), Class 0 as per BS 476 Part 6: 1989 for fire propagation test and for Class 1 as per BS476 Part 7, 1987 for surface spread of flame test. The Material shall comply to BS 6853 / ISO 5659 / BS 6853 / ABD 0031 for smoke density and toxicity values. The thermal conductivity of foam insulation material shall not be affected by aging as per DIN 52616 standard. Line item shall be in compliance with AAI technical specifications.					
100.1	Nitrile Rubber - 19 mm thick for Supply air duct (Conditioned area)	250.00	Sqm	395	98750.00	INR Ninety Eight Thousand Seven Hundred & Fifty Only
100.2	Nitrile Rubber - 25 mm thick for Supply air duct - Non conditioned area	200.00	Sqm	327	65400.00	INR Sixty Five Thousand Four Hundred Only
101	Duct Accoustic Insulation as per specification Supply and installation of 15mm thick Open cell Nitrile rubber foam insulation duct acoustic lining of supply/ventilation air duct up to a distance of 5 m from AHU and Ventilation fan outlet with density 140-180 kg/m ³ and material thermal conductivity not exceeding 0.047 W/mK. The material should confirm to class 1 rating for surface spread of flame. Insulation should have antimicrobial product protection, and should pass Fungi Resistance and Bacterial Resistance. The insulation should pass Air Erosion Resistance Test in accordance to ASTM Standard as specified and compliance to AAI technical specification.	200.00	Sqm	690	138000.00	INR One Lakh Thirty Eight Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
102	Room Acoustic Insulation as per specification : Supply and Installation of AHU room acoustic lining of walls and ceiling with 15mm thick open cell nitrile rubber foam insulation with density of 140-180 kg/m3 and material thermal conductivity not exceeding 0.05 W/mK. The material should confirm to class 1 rating for surface spread of flame. Insulating material have anti microbial and anti fungal properties as specified in technical specifications.	300.00	Sqm	690	207000.00	INR Two Lakh Seven Thousand Only
103	FIRE SEALANT AND FIRE BARRIER Supply & Providing minimum 2 hours fire rating FIRE BARRIER wherever services like piping, ducting and cabling are passing through slabs, shafts or fire zone wall, opening around services shall be closed with fire retardent material Fire compound shall be in form of powder and shall be mixed with water in proportion suggested by OEM. Mixed compound shall be poured in shuttering and grid of 30 x 30 x 1.2mm angles placed as 150mm center to center. Minimum thickness of pour shall be 100mm and shall be for fire integrity of 120minutes. Angles shall be securely welded to building re-bars (if left during construction) or fastened to concrete floor. Fire barrier shall be in form of high density rock wool slabs with surface treated for fire retardation. System shall be compliance in accordance with AAI technical specifications.	175.00	Liters	1500	262500.00	INR Two Lakh Sixty Two Thousand Five Hundred Only
104	PIPING & ACCESSORIES CHILLED WATER PIPING WITH INSULATION & AL CLADDING IN PLANT ROOM PIPING Supply ,Installation ,Testing and commissioning of heavy duty C Class MS tube pipes as per IS-1239 upto 6" dia cut to required size in accordance with relevant BIS Codes and installed with screwed/welded/unions/slip-on flanges joints, complete with necessary pipe hot dip galvanized MS supports, GI hangers with rubber lined universal clamps and hangers, fittings like bends, elbows, tees, reducers, matching flanges, neoprene 6 mm thick gaskets, hot dipped galvanized nut & bolts & washers ,PUF gutti with U clamp, & sockets for BMS, socket and fittings for instruments and sensors connections etc. MS tubes pipes shall be with one primer coat of red-oxide paint and one coat of Zinc Chromate paint for anti-rust and then shall be finally painted with 3 mils approved colour including all fittings like valves, flanges and unions, etc. Quoted rates shall be inclusive of the cost of piping with fire rated closed cell nitrile rubber thermal insulation. Mechanical Protection shall be applied on insulation surface and exposed piping shall have provision of UV protection also. Insulation shall be CFC free and insulation R value (m2. K/W) shall be 0.5 for pipe < 40 mm dia & 0.9 for >=40 mm dia. Green building compliance adhesive shall be used. System shall be complete in accordance with AAI technical specifications.					
104.1	100 MM DIA. (32 mm Nitrile Rubber GC insulation)	600.00	Rmt	3200	1920000.00	INR Nineteen Lakh Twenty Thousand Only
104.2	80 MM DIA. (25 mm Nitrile Rubber GS insulation)	600.00	Rmt	2600	1560000.00	INR Fifteen Lakh Sixty Thousand Only
105	Providing & fixing of Carbon steel body with Manual Butterfly Valve of pressure rating of PN16 conforming to BS:5155, MSS SP 67 & API 609. Handle operated BFV shall be applicable upto 150mm dia. and Gear Operated valve shall be applicable to 200mm and above sizes. Valve shall be with one coats of Zinc Chromate paint for anti-rust and then shall be finally painted 3 mils of approved colour including all fittings like valves, flanges and unions, etc. in position conforming to technical specifications necessary ancillaries like hot dipped galvanized nut & bolts & washers, rubber gaskets, washers, matching flanges, sockets, coupling etc. shall be inclusive in cost and shall be complete in accordance with AAI technical specifications. Quoted rates shall be inclusive of the cost of thermal insulations (as mentioned for chilled water piping).					
105.1	100 MM DIA.	20.00	Nos	6100	122000.00	INR One Lakh Twenty Two Thousand Only
105.2	80 MM DIA.	16.00	Nos	45500	728000.00	INR Seven Lakh Twenty Eight Thousand Only
106	Providing & Fixing in position Strainers shall be "Y" type suitable for PN16 rating. "Y" Strainer shall be fabricated out of MS 'C' class pipe two sizes higher than that of Strainer pipe size. Flanges as per ANSI B16.5 shall be provided at inlet and outlet connectors. The body shall be hot dip galvanized. Permanent magnet shall be provided in the body of the Strainer to arrest MS particles. Filter element shall be of non-magnetic 20 gage SS sheet with 3 mm perforation. Cartridge having five different type of filters made out of SS 304 with different mesh sizes shall be provided. necessary ancillaries like hot dipped galvanized nut & bolts & washers, rubber gaskets, washers, matching flanges, sockets, coupling etc. shall be inclusive in cost and shall be complete in accordance with AAI technical specifications. Quoted rates shall be inclusive of the cost of thermal insulations (as mentioned for chilled water piping).					
106.1	100 MM DIA.	5.00	Nos.	8500	42500.00	INR Forty Two Thousand Five Hundred Only
106.2	80 MM DIA.	4.00	Nos.	5500	22000.00	INR Twenty Two Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
107	Providing & Fixing in position of Globe type 2 Way Pressure Independent Dynamic Balancing Valves, self balancing, pressure independent, 2-way control valve with 100% authority on the control valve. For 15 to 32 mm Brass body Diff Pressure (P1-P3) -16 To 400 kPa, For 40 to 150 mm Grey iron body Diff Pressure (P1-P3)- 30 To 400 kPa .The valve should be equipped with an electronic modulating actuator which can accept either 4(0)-20 mA / 2(0)-10 V DC signals. Operating voltage for actuator shall be 24V AC/ 50Hz. The actuator shall be able to close against maximum differential pressure of 6 Bar. Actuator body shall be of non-corrosive and shall be rated with IP42 or Higher. System shall be complete in accordance with AAI technical specifications.					
107.1	100 MM DIA.	5.00	Nos.	75000	375000.00	INR Three Lakh Seventy Five Thousand Only
107.2	80 MM DIA.	4.00	Nos.	59000	236000.00	INR Two Lakh Thirty Six Thousand Only
108	Supplying, fixing, testing and commissioning of following sizes of GI 'B' Class drain piping duly insulated with 25 mm Expanded Polystyrene covered with polythene and aluminium sheet as per specifications. 40 mm dia	60.00	Rmt	385	23100.00	INR Twenty Three Thousand One Hundred Only
109	BALL VALVES FOR DRAIN Providing & fixing Forged brass body Ball valves (PN-16) complete with threaded connections and handle of stainless steel constructions with chrome plated brass ball shall be as per AAI technical specifications.					
109.1	40 mm Dia.	12.00	Nos	1400	16800.00	INR Sixteen Thousand Eight Hundred Only
109.2	25mm Dia.	4.00	Nos	1100	4400.00	INR Four Thousand Four Hundred Only
110	Providing and fixing in position Test Points to facilitate on-line pressure & temperature measurement on pipes for chilled water line as per AAI technical specifications.	9.00	Nos	770	6930.00	INR Six Thousand Nine Hundred & Thirty Only
111	Dismantling of Existing AHU of different CFM capacities from Existing terminal Building and shifting of dismantled material to the AAI specified location/ store at airport (upto 500 mtrs) AHU having CFM 35000 CFM-01 no, 23500 CFM- 02 nos. , 22500 CFM-01 nos, 18000 CFM-02 Nos, 13500 CFM-02 nos, 10000 CFM-01 no .	9.00	Nos	17500	157500.00	INR One Lakh Fifty Seven Thousand Five Hundred Only
112	Dismantling of Round AC Ducting from existing terminal Building and shifting of dismantled material to the AAI specified location/ store at airport (upto 500 mtrs)	2500.00	Sqm	250	625000.00	INR Six Lakh Twenty Five Thousand Only
113	SH-IV Fire Fighting Providing, laying, testing & Commissioning of "C" class heavy duty MS pipe conforming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :					
113.01	25 mm dia	150.00	Meter	550	82500.00	INR Eighty Two Thousand Five Hundred Only
113.02	32 mm dia	200.00	Meter	670	134000.00	INR One Lakh Thirty Four Thousand Only
113.03	40 mm dia	200.00	Meter	795	159000.00	INR One Lakh Fifty Nine Thousand Only
113.04	50 mm dia	100.00	Meter	865	86500.00	INR Eighty Six Thousand Five Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
113.05	65 mm dia	200.00	Meter	1025	205000.00	INR Two Lakh Five Thousand Only
113.06	80 mm dia	200.00	Meter	1225	245000.00	INR Two Lakh Forty Five Thousand Only
113.07	100 mm dia	100.00	Meter	1680	168000.00	INR One Lakh Sixty Eight Thousand Only
113.08	150 mm dia	80.00	Meter	2350	188000.00	INR One Lakh Eighty Eight Thousand Only
113.09	200 mm dia (Wall thickness 6.3 mm)	20.00	Meter	3350	67000.00	INR Sixty Seven Thousand Only
113.10	250 mm dia (Wall thickness 6.3 mm)	20.00	Meter	4100	82000.00	INR Eighty Two Thousand Only
113.11	300 mm dia (Wall thickness 7.1 mm)	20.00	Meter	5400	108000.00	INR One Lakh Eight Thousand Only
114	Supplying and fixing single headed Gunmetal internal hydrant valve with instantaneous Gunmetal/Stainless steel coupling of 63 mm dia with cast iron wheel ISI maked conforming to IS 5290 (type A) with blank Gunmetal / stainless steel cap and chain as required :	50.00	Each	6800	340000.00	INR Three Lakh Forty Thousand Only
115	Providing & fixing 63 mm dia SS short Branch pipe with 20mm (nominal internal diameter) stainless steel nozzle conforming to IS:903 suitable for instantaneous connection complete to inter-connect hose pipe, coupling etc. as required and as per enclosed specifications.	33.00	Each	2100	69300.00	INR Sixty Nine Thousand Three Hundred Only
116	Providing & fixing of MS Hose cabinet outdoor type of size 0.90 M x 0.60 M x 0.50 M made of 2mm thick MS sheet with 6mm thick glazed glass doors i/c necessary locking arrangement suitable to accomodate 2nos 15m long hose pipes, one no branch pipe, etc. and mounted on wall or with raised brick platform. The cabinet shall be painted with post office red colour shade No. 536 of IS: 5 externally & white internally with synthetic enamel paint complete in all respects for external hydrant as required and as per enclosed specifications.	33.00	Each	4700	155100.00	INR One Lakh Fifty Five Thousand One Hundred Only
117	Providing & fixing 63mm dia., 15mtr. long RRL hose pipe (ISI Marked) with 63mm dia. male and female gun metal couplings duly binded with GI wire, rivets etc. conforming to IS- 636 (Type-A) complete as required & as per enclosed specifications.	66.00	Each	6600	435600.00	INR Four Lakh Thirty Five Thousand Six Hundred Only
118	Providing and fixing First-Aid Hose Reel 20mm (Nominal Internal) dia. x 30m long (minimum length) (Thermoplastic Type-2 as per I.S. 12585) complete with drum, bracket, 25mm dia. shut-off valve and 5mm Gun-Metal nozzle conforming to IS:-884, connection with riser with MS C- class pipe, painting the MS works complete as required & as per enclosed specifications.	34.00	Each	9550	324700.00	INR Three Lakh Twenty Four Thousand Seven Hundred Only
119	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze / gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required :					
119.1	100 mm dia	4.00	Set	5200	20800.00	INR Twenty Thousand Eight Hundred Only
119.2	150 mm dia	4.00	Set	7853	31412.00	INR Thirty One Thousand Four Hundred & Twelve Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
119.3	200 mm dia	4.00	Set	980	3920.00	INR Three Thousand Nine Hundred & Twenty Only
119.4	250 mm dia	4.00	Set	13000	52000.00	INR Fifty Two Thousand Only
119.5	300 mm dia	4.00	Set	1960	7840.00	INR Seven Thousand Eight Hundred & Forty Only
120	Supplying, fixing, testing and commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze / gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 780 of following sizes as required : 150 mm dia	2.00	Set	32700	65400.00	INR Sixty Five Thousand Four Hundred Only
121	Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange & landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 305 kg/cm2 complete as required.	2.00	Each	200	400.00	INR Four Hundred Only
122	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS:5312 complete with rubber gasket, GI bolts, nuts, washers etc as required :					
122.1	100 mm dia	2.00	Set	7650	15300.00	INR Fifteen Thousand Three Hundred Only
122.2	150 mm dia	2.00	Set	15300	30600.00	INR Thirty Thousand Six Hundred Only
122.3	200 mm dia	2.00	Set	28000	56000.00	INR Fifty Six Thousand Only
123	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.					
123.1	80 mm dia	2.00	Set	6100	12200.00	INR Twelve Thousand Two Hundred Only
123.2	100 mm dia	2.00	Set	9163	18326.00	INR Eighteen Thousand Three Hundred & Twenty Six Only
123.3	150 mm dia	2.00	Set	18500	37000.00	INR Thirty Seven Thousand Only
123.4	200 mm dia	2.00	Set	34600	69200.00	INR Sixty Nine Thousand Two Hundred Only
123.5	250 mm dia	2.00	Set	49000	98000.00	INR Ninety Eight Thousand Only
123.6	300 mm dia	2.00	Set	75000	150000.00	INR One Lakh Fifty Thousand Only
124	Supplying and fixing first-aid Hose Reel with MS Construction; spray painted in post office red, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type- 2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for Fixing the equipments on wall. Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.(30 Mtr)	10.00	Set	9560	95600.00	INR Ninety Five Thousand Six Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
125	Supplying and Fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as required. For suitable dia MS Pipe connection conforming to IS 904 as required. II. 4 way- 150 mm dia M.S. Pipe	2.00	Set	20000	40000.00	INR Forty Thousand Only
126	Providing, fixing, testing & commissioning of 15 mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories:					
126.1	Pendent Sprinkler	600.00	Each	390	234000.00	INR Two Lakh Thirty Four Thousand Only
126.2	Upright Sprinkler	600.00	Each	390	234000.00	INR Two Lakh Thirty Four Thousand Only
126.3	Horizontal side wall sprinkler	50.00	Each	390	19500.00	INR Nineteen Thousand Five Hundred Only
127	Providing and fixing of pressure switch in M.S. pipe line including connection etc. as required.	4.00	Each	3300	13200.00	INR Thirteen Thousand Two Hundred Only
128	Providing and fixing flow switch in following sizes M.S. pipe including connection etc. as required.					
128.1	100 mm dia	4.00	Each	6500	26000.00	INR Twenty Six Thousand Only
128.2	150 mm dia	4.00	Each	7500	30000.00	INR Thirty Thousand Only
129	Providing, fixing, testing & commissioning of installation control valve of cast iron body, brass/bronze working parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gong bell to sound continuous alarm when the wet riser/sprinkler system activates, pressure gauges, emergency release, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box, ball valves, MS pipe of required size, flanges, orifice plate, gasket etc of following sizes as required.					
129.1	80 mm dia	1.00	Set	63600	63600.00	INR Sixty Three Thousand Six Hundred Only
129.2	100 mm dia	1.00	Set	75000	75000.00	INR Seventy Five Thousand Only
129.3	150 mm dia	1.00	Set	88000	88000.00	INR Eighty Eight Thousand Only
130	Supplying, Installation, testing & commissioning of sprinkler flexible pipe (UL Listed) of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25 mm NPT male thread to sprinkler head (Outlet) 15 mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of following sizes complete as required.					
130.1	700 mm	100.00	Set	1350	135000.00	INR One Lakh Thirty Five Thousand Only
130.2	1000 mm	300.00	Set	1800	540000.00	INR Five Lakh Forty Thousand Only
130.3	1200 mm	50.00	Set	2100	105000.00	INR One Lakh Five Thousand Only
130.4	1500 mm	50.00	Set	2350	117500.00	INR One Lakh Seventeen Thousand Five Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
131	Providing, Installation, testing & commissioning of adjustable rosette plate for 15mm dia in white finish UL Listed or FM approved complete as required.	600.00	Each	125	75000.00	INR Seventy Five Thousand Only
132	Supply, installation, testing and commissioning of 6kg ABC (Powder Type) Fire Extinguisher. Mild Steel Cylinders ISI marked fitted with pressure indicating gauge, internal tube, squeeze lever type valve fully charged with ABC 90 powder (Mono Ammonium Phosphate) pressured by Nitrogen complete in all respects including wall suspension bracket complete and conforming to IS:15683 as required and as per specifications.	4.00	Each	2860	11440.00	INR Eleven Thousand Four Hundred & Forty Only
133	SH-V-Fire Alarm System & Public Addressing System Supplying, Installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devises (including detectors) and minimum 120 detectors per loop and loop length up to 2 km network communication card, minimum 320 character graphics / LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 + 5 % V, 50hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog / digital voice evacuation system (Which is part of the schedule of work under SH:PA system) and shall be complete with all axcessories. The panel shall be compatible foe IBMS system with open protocol BACnet / Modbus over IP complete as per specifications. Ten Loop Panel	1.00	Each	1250000	1250000.00	INR Twelve Lakh Fifty Thousand Only
134	Supplying, installation, testing & commissioning of central graphical fire alarm management system to centrally monitor and operate the fire alarm system complete as required.	1.00	Each	58000	58000.00	INR Fifty Eight Thousand Only
135	Supplying, installation, testing & commissioning of repeater panel with 320 character / touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.	2.00	Each	12000	24000.00	INR Twenty Four Thousand Only
136	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	30.00	Each	4400	132000.00	INR One Lakh Thirty Two Thousand Only
137	Supplying, installation, testing & commissioning of Smoke Detector with Build-in LED and mounting base complete with all connections etc as required.	400.00	Each	4040	1616000.00	INR Sixteen Lakh Sixteen Thousand Only
138	Supplying, installation, testing & commissioning of response indicator on surface / recessed MS Box having two LED, metallic cover complete with all connections etc as required.	200.00	Each	350	70000.00	INR Seventy Thousand Only
139	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	2.00	Each	4590	9180.00	INR Nine Thousand One Hundred & Eighty Only
140	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	10.00	Each	3180	31800.00	INR Thirty One Thousand Eight Hundred Only
141	Supplying, installation, testing & commissioning of intelligent aspiration detector for area coverage of minimum 5000 sq.ft. complete as required.	2.00	Each	470000	940000.00	INR Nine Lakh Forty Thousand Only
142	Supplying, installation, testing & commissioning of addressable fire control module complete as required.	10.00	Each	3700	37000.00	INR Thirty Seven Thousand Only
143	Supplying, installation, testing & commissioning of addressable beam detector with short circuit isolator (inbuilt or separate) complete with emitter and receiver including connections with remote test features etc complete as required.	10.00	Each	31000	310000.00	INR Three Lakh Ten Thousand Only
144	Supplying, installation, testing & commissioning of intelligent addressable duct detector including suitable Photo detector complete with base as required.	12.00	Each	19300	231600.00	INR Two Lakh Thirty One Thousand Six Hundred Only
145	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	20.00	Each	3700	74000.00	INR Seventy Four Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
146	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	2.00	Each	4800	9600.00	INR Nine Thousand Six Hundred Only
147	Supplying, installation, testing & commissioning of fire fighter telephone handset complete as required.	1.00	Each	38800	38800.00	INR Thirty Eight Thousand Eight Hundred Only
148	Supplying, installation, testing & commissioning of intelligent interface unit BACnet / modbus protocol i.e. supplying communication links between building management system and fire alarm control panel complete as required.	1.00	Each	148000	148000.00	INR One Lakh Forty Eight Thousand Only
149	Supplying, installation, testing & commissioning of fire fighter phone jack complete as required.	1.00	Each	7200	7200.00	INR Seven Thousand Two Hundred Only
150	ASPIRATION DETECTOR ACCESSORIES Supplying, installation, testing & commissioning 25 mm Outer dia CPVC PIPE with end caps including making air sampling opening of appropriate dia on appropriate interval and all accessories as required. (rate for area protected in sqm).	2.00	Each	200	400.00	INR Four Hundred Only
151	PUBLIC ADDRESS SYSTEM Supplying, installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (Including 6 Zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required.	2.00	Each	240000	480000.00	INR Four Lakh Eighty Thousand Only
152	Supplying, installation, testing & commissioning of 1.5/3/6W ceiling speaker complete as required.	50.00	Each	3400	170000.00	INR One Lakh Seventy Thousand Only
153	Supplying, installation, testing & commissioning of 1.5/3/6W metal box ceiling / wall speakers complete as required.	30.00	Each	5500	165000.00	INR One Lakh Sixty Five Thousand Only
154	Supplying, installation, testing & commissioning of ceiling / wall mounted loud speaker, 3/1.5 watt in ABS enclosure complete as required.	30.00	Each	3800	114000.00	INR One Lakh Fourteen Thousand Only
155	Supplying, installation, testing & commissioning of 6 inches dia, 2 watts, 70/100 volts ceiling speaker complete as required.	20.00	Each	2300	46000.00	INR Forty Six Thousand Only
156	Supplying, installation, testing & commissioning of digital audio amplifier 50 watt, 25V rms operating at 240 volt AC supply complete as required.	4.00	Each	110000	440000.00	INR Four Lakh Forty Thousand Only
157	Supplying, installation, testing & commissioning of digital audio amplifier 75 watt, 25V rms operating at 240 volt AC supply complete as required.	2.00	Each	155000	310000.00	INR Three Lakh Ten Thousand Only
158	Supplying, installation, testing & commissioning of exit point directional sound speaker with voice and integral audio amplifier with selectable sound pulse patterns complete as required.	2.00	Each	11500	23000.00	INR Twenty Three Thousand Only
159	Supplying, installation, testing & commissioning of voice command keypad 6 zone, with microphone assembly complete as required.	6.00	Each	47500	285000.00	INR Two Lakh Eighty Five Thousand Only
160	CABLING & WIRING Supplying & laying of 2x1.5 sqmm fire survival armoured cable, 600/1000V rated with annealed copper conductor having glass mica fire barrier tape covered by an extruded layer of cross linkable ethylene propylene rubber (EPR) insulation and LSZH inner bedding, steel wire armouring & LSZH outer sheath complete as required.	2000.00	Meter	250	500000.00	INR Five Lakh Only
161	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	6000.00	Meter	110	660000.00	INR Six Lakh Sixty Thousand Only
162	Supplying and drawing of cable fire retardant PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.					

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without GST in Rs. P	TOTAL AMOUNT In Words
162.1	Speaker cable single pair, 2-core, 1.5 sqmm	500.00	Meter	66	33000.00	INR Thirty Three Thousand Only
162.2	Speaker cable Two pair, 2-core, 1.5 sqmm	1000.00	Meter	105	105000.00	INR One Lakh Five Thousand Only
162.3	Speaker cable Three pair, 2-core, 1.5 sqmm	1000.00	Meter	140	140000.00	INR One Lakh Forty Thousand Only
162.4	Speaker cable Four pair, 2-core, 1.5 sqmm	1000.00	Meter	175	175000.00	INR One Lakh Seventy Five Thousand Only
163	Supplying & laying of 25mm dia MS flexible pipe with PVC coating along with all accessories like coupler etc. as required.	3000.00	Meter	35	105000.00	INR One Lakh Five Thousand Only
164	CNS Works : Providing and Laying of 25 mm dia, 16 SWG MS Conduit (on wall/ surface/ tray/raceway/by opening wall panels) as per technical specifications of the tender document. At locations to be decided by Engineer In-charge (Payment will be done on actual laying)	3000.00	Sqm	24	72000.00	INR Seventy Two Thousand Only
165	Providing and Laying of width 500 mm Steel Perforated Cable Tray , 7mm thickness complete as per Direction of Engineer In-charge	1800.00	Sqm	105	189000.00	INR One Lakh Eighty Nine Thousand Only
166	Providing and Laying of width 300 mm Steel Perforated Cable Tray , 7mm thickness complete as per Direction of Engineer In-charge	1800.00	Sqm	80	144000.00	INR One Lakh Forty Four Thousand Only
167	Providing and installation of Junction box (400*400mm) complete as per Direction of Engineer In-charge	100.00	Nos	380	38000.00	INR Thirty Eight Thousand Only
168	Providing and laying of PVC pipe in cable tray(2.5 inch) Complete as per Direction of Engineer In-charge	14400.00	Sqm	80	1152000.00	INR Eleven Lakh Fifty Two Thousand Only
169	Removing of existing flooring and Refixing of Granite by new granite stone with cement mortar complete as per Direction of Engineer In-charge	1500.00	Sqm	3200	4800000.00	INR Forty Eight Lakh Only
Total in Figures					130167054.05	INR Thirteen Crore One Lakh Sixty Seven
Quoted Rate in Words					INR Thirteen Crore One Lakh Sixty Seven Thousand & Fifty Four and Paise Five Only	

J. K.
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