

सं: एएआई/सिल/अभि.- वि./फायर फाइटिंग/व.ओ - 10/2024-25/977-987

दिनांक: 22.11.2024

Ref: AAI/SIL/ENGG-E/FIRE FIGHTING/W.O-10/2024-25/

Date: 22.11.2024

सेवा,
एम/एस. बा-पन इंजीनियरिंग कंपनी,
80 एफएफ ब्लॉक-III, एरोस गार्डन,
चार्मवुड विलेज सूरजकुंड,
फरीदाबाद - 121009, हरयाणा
Email ID: ajit@ba-pan.com

To,
M/s BA-PAN Engineering Co.,
80 FF Block-III, Eros Garden,
Charmwood Village Surajkund
Faridabad - 121009, Haryana
Email ID: ajit@ba-pan.com

कार्य का नाम :- रेनोवेशन ऑफ़ फायर फाइटिंग सिस्टम इन एक्सिस्टिंग टर्मिनल बिल्डिंग एट सिलचर एयरपोर्ट।

Name of Work: - Renovation of Fire Fighting System in Existing Terminal Building at Silchar Airport.

(Tender ID: 2024_AAI_204904_2)

प्रिय महोदय / Dear Sir (s),

- उपरोक्त कार्य के लिए आपका ई-टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 90,57,540/- जीएसटी के बिना (नब्बे लाख सत्तावन हजार पाँच सौ चालीस केवल) लागत रु 93,43,809/- से 3.06 % कम है, स्वीकृत किया जाता है।

Your E-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 90,57,540/- excluding GST (Rupees: Ninety Lakh Fifty Seven Thousand Five Hundred and Forty Only) which is 3.06% Below the Justified cost of Rs. 93,43,809/-.

- वरिष्ठ प्रबंधक (अभि.-वि.) कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि आप अपना प्रत्यायित प्रतिनिधि जिसे कि आप की ओर से संविदा करार पर हस्ताक्षर करने की शक्ति दी गई है। हवाई अड्डा निदेशक, भा.वि.प्रा., सिलचर हवाई अड्डा के कार्यालय में करार पर हस्ताक्षर करने के लिए दिनांक 10.12.2024 को तैनात करें। (संविदा करार रु.100/- के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपको ही वहन करनी होगी।)

Senior Manager (Engg.-Elect.), AAI, Silchar Airport, Silchar shall be the Engineer-in-Charge for the work. You are requested to attend the O/o Senior Manager (Engg.-Elect.), AAI, Silchar Airport by 10.12.2024 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

- कृपया इस कार्य - आदेश के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु. 9,05,754/- (जीएसटी के बिना) जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज की शर्त के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 9,05,754/- (excluding GST) towards security deposit within 10 (Ten) days from the date of issue of this work order, failing which, the same will be deducted as per condition of the Contract document.

- आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार का विनियमन और सेवा की स्थिति) के प्रावधानों का अनुपालन करें। अधिनियम 1996, भवन एवं अन्य सन्निर्माण कर्मकार कल्याण उपकर अधिनियम 1996 केन्द्र एवं राज्य सरकार के नियमानुसार।

You are requested to comply with provision of Contract Labour (Regulation and Abolition) Act of 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 per rules of Central and State Government.

- आपको निर्देश दिए जाते हैं कि आप प्रबंधक (अभि.-वि.) से सम्पर्क करें जो कि आपको कार्यस्थल सुपुर्दकरने कि व्यवस्था करेंगे। You are directed to contact Manager (Engg-E), AAI, Silchar Airport immediately who will arrange to hand over the site to you.

6. आपको एसओक्यू में उल्लिखित सिविल कार्य के लिए **वरिष्ठ प्रबंधक (इंजीनियरिंग-सी)**, एएआई, सिलचर हवाई अड्डे से संपर्क करने का भी निर्देश दिया गया है।

You are also directed to contact **Sr. Manager (Engg-C)**, AAI, Silchar Airport for Civil work as mentioned in SOQ.

7. कृपया यह नोट कर लें कि काम करने का समय **06 (छह) महीने** होगा और इसकी गणना **02nd दिसंबर 2024** से की जाएगी।

Please note that the time allowed for carrying out the work shall be **06 (Six) months** and same shall be reckoned from **2nd December 2024**.

8. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः वरिष्ठ प्रबंधक (अभि.-वि.) भा.वि.प्रा., सिलचर हवाई अड्डा से किया जाए।
Any further correspondence in connection with the contract should normally be addressed to the Senior Manager (Engg.- Elect.), AAI, Silchar Airport, Silchar.

9. कार्य की दोष दायित्व अवधि कार्य पूरा होने की वास्तविक तिथि से 12 महीने होगी।

The defects liability period of the work shall be **12 Month** from the actual date of completion of the work.

10. कृपया इस पत्र प्राप्ति की सूचना दे तथा इसके साथ अनुलगन अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

11. यदि हिंदी और अंग्रेजी संस्करण के बीच कोई विसंगति पाई जाती है, तो अंग्रेजी संस्करण को सही माना जाएगा।

In case any discrepancy is found between Hindi and English version, then English version will be taken as correct.

धन्यवाद/ Thanking you.

भवदीय / Yours faithfully

Encl: 1. Schedule of Quantities

अनुलग्नक : 1. अनुसूची की मात्रा

एस. के. मजूमदार (S. K. Mazumder)

वरिष्ठ प्रबंधक (अभि.-वि.)

Senior Manager (Engg.-Elect.)

भा.वि.प्रा., सिलचर हवाई अड्डा

AAI, Silchar Airport

एस. के. मजूमदार

S K MAZUMDER

वरिष्ठ प्रबंधक (अभि.-विद्युत)

Sr. Manager (Engg.-Elect.)

भारतीय विमानपत्तन प्राधिकरण, सिलचर

AIRPORTS AUTHORITY OF INDIA, SILCHAR

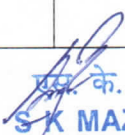
SCHEDULE OF QUANTITIES

Name of Work: Renovation of Fire Fighting System in Existing Terminal Building at Silchar Airport.

Tender ID: 2024_AAI_204904_2

Name of Agency: M/s BA-PAN Engineering Co., 80 FF Block-III, Eros Garden, Charmwood Village Surajkund, Faridabad - 121009, Haryana

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
	SH: I - ELECTRICAL WORK				
1	MAIN HYDRANT PUMP SET Supplying, installing, testing and commissioning of electric driven Fire Pump suitable for automatic operation consisting of the following (as per latest CPWD specification and its amendments up to date.) 1) Fire Pump with bronze impeller horizontal split casing centrifugal suction type multi stage having a capacity of 2850 Ltrs/minute against a total head of 70 meters so as to ensure a minimum pressure of 3.5 kg per square cm. at the highest and farthest outlet at the specified flow complete with necessary Pressure Gauge on the delivery side including by pass arrangement for periodical testing of the working of the pumping set with 50mm dia G.I. pipe upto 5 Mtr. length & control valve. The Pump shall be provided with mechanical seals. 2) Squirrel cage type TEFC motor suitable for operation on 415V, 3 phases 50 Hz. system of 50 HP for the above pump with synchronous speed of 1500 RPM and flexible coupling with the Pump Motor should confirm to latest IS standards and ECBC norms. 3) Common bed plate fabricated from mild steel channel or Cast Iron type. 4) Construction of cement concrete foundation as required. 5) All coupling of pump and motor should be covered with Safety Guard. 6) PRV, fittings and associated spares shall be provided to mount with the existing piping systems etc. as required. 7) Provision of vibration damping arrangement by cushy foot mounting, as required complete in all respects.	2	Job	500000.00	1000000.00
2	DIESEL PUMP SET Supply, Installation, Testing and Commissioning of Diesel Engine driven Fire Pump suitable for automatic operation consisting of the following (as per specifications.) 1) Horizontal centrifugal type, Fire Pump with bronze impeller complete for delivery of 2850 Ltrs/minute at a total head of 70 meters so as to ensure a minimum pressure of 3.5 kg per sq.cm. at the highest & farthest outlet at the specified flow, complete with necessary pressure gauge on the delivery side including by pass arrangement for periodical testing of the working of the pump set as required. The pump shall be provided with mechanical seals. 2) Water cooled cold starting type multi cylinder 4 stroke diesel engine, developing suitable minimum BHP at 1500 RPM for the above pump set with automatic starting mechanism, cooling system with radial cool engine, maintenance free batteries, battery charge unit, flexible coupling with the pump. Provision of additional 200 ltr capacity diesel tank and connecting fuel piping from the diesel tank. Provision of vibration damping arrangement by cushy foot mounting, as required complete in all respects. 3) Common bed plate fabricated from mild steel channel or Cast Iron type. 4) Construction of cement concrete pump foundation as required. 5) Exhaust pipe with thermal insulation with 50mm thick Glass wool insulation and aluminium cladding 24 SWG sheet around upto external wall outside the pump room as directed by Engineer-In-Charge complete in all respects. 6) All coupling of Pump and Motor should be covered with Safety Guard.	1	Job	770000.00	770000.00
3	JOCKEY PUMP SET Supplying, installation, testing and commissioning of Electric Motor driven automatic pressurization Pump Set consisting of the following (As per specification). 1) Centrifugal Pump of 180 LPM capacity capable of building up pressure lost in any leakage in the system against a total head of 70 m approx. complete with necessary Pressure Gauge on the delivery side including by-pass arrangement for testing of the working of the pumping set and with mechanical seals as required. 2) Squirrel cage A.C. induction motor suitable for operation on 415 V, 3 phase 50 Hz. A.C. supply and of minimum 10 HP for the above Pump with flexible coupling as per specification and conforming to IS: 325. 3) Common bed plate fabricated of mild Steel Channel or Cast Iron type. 4) Provision of vibration damping arrangement by cushy foot mounting, as required complete in all respects. 5) All couplings of Pump & Motors should be covered with Safety Guard. 6) PRV, fittings and associated spares shall be provided to mount with the existing piping systems etc. as required	1	Job	130000.00	130000.00
4	FIRE CONTROL PANEL: Fabrication, supplying, erection testing and commissioning of fully automatic motor control panel, totally enclosed cubical type free standing, floor mounting compartmentalized, sectionalized, dust, damp and vermin proof with suitable natural ventilation arrangement, front accessible with lockable hinged doors, fabricated from 2mm thick CRCA sheet (to give IP 54 protection) powder coated of spray painted with approve colour shade, heavy four strip sleeved aluminium bus bar, bus bar supports interconnecting from bus bars to outgoing switches / MCCB's including earthing the board suitable for operation on 415V, 3 phase, 50 Hz AC supply to accommodate the following including numbering etc. as required Common cubical panel in fire pump House as described above the following: INCOMMER: 2 Nos 250 A TPN MCCB (36 KA) with mechanical/ electrical interlocking 1 Sets of 250 Amps. TPN Al. Bus bars with color coded heat shrinkable PVC sleeves. INSTRUMENTS: 1 sets digital voltmeter for 3 phase, 4 wire operation with inbuilt selector switches alongwith 3 No. control MCB's, 1 sets digital ammeter of suitable range (measure 0 to 250 Amp) for 3 phase, 4 wire operation with inbuilt selector switches and 3 No. suitable range CT's, 1 Sets of phase indicating lamps, LED type, RYB. OUTGOING: FEEDER FOR MAIN PUMPS - 02 Nos	1	No.	230000.00	230000.00


S.K. MAZUMDER

वरिष्ठ प्रबंधक (अभि.-विद्युत)

Sr. Manager (Engg.-Elect.)

भारतीय विमानपत्तन प्राधिकरण, सिलचर

AIRPORTS AUTHORITY OF INDIA, SILCHAR

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
	02 Nos 160 A 25 kA TP MCCB, 50 HP 3 phase 415V fully automatic start delta starters with 02 Nos 0-100 Amps. Ammeter with selector switch and suitable rated current transformers. Starter with over load relay, single phase preventer and indicating lamps with ON / OFF push buttons. 02 Nos Auto manual selector switch. FEEDER FOR JOCKEY PUMPS - 01 No 01 No 63A 25 kA TP MCCB, 10 HP 3 phase 415V DOL starter with 1 No 0-25 Amps. Ammeter with selector switch and suitable rated current transformers. Starter with over load relay, single phase preventer and indicating lamps with ON / OFF push buttons. 01 No Auto manual selector switch. DIESEL ENGINE PUMP - 01 No a) 20Amps DPMCB - 01 No. b) Battery charger with transformer with rectifier resistance DC ammeter, DC voltmeter, Trickle / booster / off selector switch - 1 No. c) 1 set of indicating lamps for the following : 1. phase indication 2. battery charger on 3. over load relay 4. DC supply on 5. control switch on				
	6. Engine fails to start 7. Pump on 8. Low oil pressure 9. High water temperature 10. Auto manual selector switch d) 1 sets of push button stations for the following : 1. Engine Start 2. Engine Stop 3. Engine - hooter ACK 4. Engine - fault reset e) Selector switches (Engine control, mode selector) - 1 No f) Auxiliary relays / contactors / timer for sequence operating for starting and stopping of the engine - 1 set. g) Hooter for audio alarm (Industrial type) - 1 No All the components shall be housed in a common cubical made of 16 swg. M.S. sheet with required stiffeners (if required). The panel shall be powder coated of approved color both inside & outside. The panel shall have both bottom & top cable entry provisions and panel shall be mounted on Pedestal of 300 mm height. Also panel shall have sufficient (min. 50 Nos) NO/NC contacts for extending the status(annunciation) of fire pumps to the Fire alarm panel.				
5	Supplying, installation, testing & commissioning of pressure switches for Pumps including necessary wiring up to the control panel.	3	Job	3200.00	9600.00
6	Supply of 2.5 Sq.mm X 12C FRLSHS PVC insulated flexible cable (control cable) having copper conductor including making end termination etc. complete as required.	25	Mtr	500.00	12500.00
7	GI earth plate electrode: Earthing with G.I. Earth Plate 600mm x 60mm x 6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	2	Set	13000.00	26000.00
8	Providing and fixing 25 mm x 5 mm G.I. strip in 40 mm dia. G.I. pipe from earth electrode etc. Complete as required.	25	Mtr	500.00	12500.00
9	Supplying and laying 25mm x 5mm G.I. Strip at 0.50 m below ground level as strip earth electrode, including soldering etc. as required.	20	Mtr	220.00	4400.00
10	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. complete as required.	20	Mtr	121.00	2420.00
11	Supplying and laying 6SWG G.I. wire at 0.50 m below ground level for conductor earth electrode, including soldering etc. (but without charcoal or coke and salt) complete as required.	60	Mtr	40.00	2400.00
12	Supplying and installation of Fire Pressure vessel of 450mm dia and 1m high fabricated from 10mm thick M.S. Plate suitable for 10kg/sq.cm. working pressure with accessories, painted with two coats of- Postal Red Enamel outside over a coat of primer and Epoxy Paint inside for automatic operation of Pump.	1	Nos	31000.00	31000.00
13	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. 50 Sq.mm x 3.0 Core	4	Set	500.00	2000.00
14	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. 16 Sq.mm x 3.0 Core	2	Set	400.00	800.00
15	Laying of one number PVC insulated and PVC sheathed / XLPE power cable / control cable of 1.1 KV grade of following size in the existing HDPE/ METAL pipe as required. Upto 35 sq. mm	6	Mtr	220.00	1320.00
16	Supplying and making end termination with copper lugs for 2.5 Sq.mm x 12.0 Core size of PVC insulated control cable of 1.1 KV grade as required. 2.5 Sq.mm x 12.0 Core	2	Set	500.00	1000.00
17	Providing, laying, testing and commissioning of 150mm dia 'C' class heavy duty MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows, tees, flanges, dummy, bend, 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.	160	Mtr	2002.00	320320.00
18	Providing, laying, testing and commissioning of 100mm dia 'C' class heavy duty MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows, tees, flanges, dummy, bend, 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.	100	Mtr	1400.00	140000.00

S K MAZUMDER
 वरिष्ठ प्रबंधक (अभि.-विद्युत)
Sr. Manager (Engg.-Elect.)

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
19	Providing, laying, testing and commissioning of 80mm dia 'C' class heavy duty MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows, tees, flanges, dummy, bend, 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.	18	Mtr	1120.00	20160.00
20	Providing, laying, testing and commissioning of 150mm dia 'C' class heavy duty MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows and fixing the pipe below the ground shall be treated with anti-corrosive wrapping & coating of "Pypkote" make as per detailed specification complete as required.	20	Mtr	2200.00	44000.00
21	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze / gunmetal seat duly ISI marked complete with flanges, nuts, bolts, washers, gaskets conforming to IS 13095 of 150mm dia sizes as required.	2	Nos	8000.00	16000.00
22	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze / gunmetal seat duly ISI marked complete with flanges, nuts, bolts, washers, gaskets conforming to IS 13095 of 80mm dia sizes as required.	18	Nos	5000.00	90000.00
23	Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with flanges, nuts, bolts, washers, gaskets and conforming to IS 780 of 150mm dia sizes as required	4	Nos	22000.00	88000.00
24	Supply, installation, testing and commissioning of non-return valve of 150mm dia sizes confirming to IS: 5312 complete with flanges, rubber gasket, GI bolts, nuts, washers etc.as required	2	Nos	13000.00	26000.00
25	Supply, installation, testing and commissioning of non-return valve of 100mm dia sizes confirming to IS: 5312 complete with flanges, rubber gasket, GI bolts, nuts, washers etc.as required	4	Nos	13000.00	52000.00
26	Supply, installation, testing and commissioning of foot valve of 150mm dia sizes confirming to IS: 5312 complete with flanges, rubber gasket, GI bolts, nuts, washers etc.as required	1	Nos	22000.00	22000.00
27	Supply,Installation,Testing & Commissioning of Forged brass Ball Valve cast iron body with ISI mark of 25 mm size complete as required and as specified.	3	Nos	2200.00	6600.00
28	Supply,Installation,Testing & Commissioning of pressure switch having 1/4" BSP (F) connection IP:32 enclosure protection, pressure range 0 to 200 psi with necessary contact complete as required and as specified.	3	Nos	2200.00	6600.00
29	Supply,Installation,Testing & Commissioning of pressure gauge 4 " dial , 0 - 225 psi range Bottom SS Case SS Internal with Gly fill complete as required and as specified.	3	Nos	1300.00	3900.00
30	Supply,Installation,Testing & Commissioning of 4 way Pumping in Breech (Fire Brigade Inlet / Siamese Connection) 4 way having 4 nos. 63mm Male Inst. Inlet with built in NRV & 150 mm NB flanged outlet with 1" drain valve & Rubber Dust Caps complete as required.	4	Nos	13000.00	52000.00
31	Supply,Installation,Testing & Commissioning of Air release valve SS body 25 mm dia. complete as required.	1	Nos	4000.00	4000.00
32	Supply,Installation,Testing & Commissioning of cylindrical Air Vessel tank of 2000 mm x 600 mm size, of thickness 8 mm M.S. sheet, 10 mm thick dish ends complete with air release valve, safety valve, pressure gauge, etc. complete as required and as specified.	1	Nos	40000.00	40000.00
33	Supply,Installation,Testing & Commissioning of 150 mm CI Strainer For safer operation of pump. complete as required.	3	Nos	13000.00	39000.00
34	Supply, installation, testing and commissioning of Yard Hydrants comprising with 80 mm dia. MS bend & 80 mm dia MS stand pipe (1 mtr above ground) of the following: (a) 80mm dia pipe fitted with single headed 63mm dia landing valve as per design. (b) Providing 2nos 15mts long 63mm dia CP hose with gun metal male and female instantaneous Coupling. (c) 63mm dia branch pipe with gun metal hexagonal detachable nozzle made of instantaneous coupling. (d) Two keys in recess type compartment for break glass. (e) Hose cabinet to accomodate two sets of controled percolating hose of 15mt length with 1 pair of male and female coupling and 1 branch pipe with nozzle. The cabinet is made of MS sheet of 16 SWG thick, with a double door , glass font (4mm thick) with hinged door and lock. The cabinet is painted to scarlet red colour size 30"x10"x24" & wall / floor mounted.	14	Job	50000.00	700000.00
35	Supplying, erecting & commissioning Fire Hose cabinet comprising of internal hydrant. a) 63mm dia instantaneous pattern single headed oblique hydrant valve with gun metal cap, GI chain twist release type plug. b) 2 lengths of 15mtrs. 63mm dia reinforced rubber lined hose with instantaneous male and female coupling. c) 1 no gun metal branch pipe with nozzle (63mm x 20mm) with Gunmetal gate/ ball valve (20mm) d) Two keys in recess type compartment for break glass. e) 19mm dia. Reinforced hose reel 30m length as per IS 5132 fitted with 6.35mm dia nozzle and shut off valve (IS 884 - 1969) . The hose reel shall be recessed swing type with reel 180 Degree drum.The hose shall be provided with coupling as per detailed specifications. f) The Frame shall comprise of 800 mm wide x 150 mm deep x 1200mm high made of 16 guage 'MS sheet to house the above accessories. The cabinet shall be firmly fixed to the wall / floor mounted with expansion bolts. The cabinet shall be powder coated both internally and externally. The door shall be provided with suitable locking arrangement as per standards.The quote shall include fixing the cabinet to the wall / floor mounted & making good to the wall / floor.	4	Job	50000.00	200000.00
36	Supplying, installing and commissioning of fire brigade inlet connection conforming to IS 5290 comprising of 4nos. 63mm dia instantaneous couplings complete, CI butterfly valve, connected to 100/150mm dia Fire hydrant ring main and fire hydrant wet riser pipe.	2	Nos	13000.00	26000.00
37	Cutting of road /bituminous /concrete pavement etc.at a depth of minimum 300 mm including supply and laying of 150mm dia 'C' class heavy duty MS pipe, making the damages good etc. complete as required.	20	Mtr	3100.00	62000.00
38	Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type Pendent sprinklers of rating 68 degree centigrade with required accessories.	85	Nos.	450.00	38250.00
39	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 25 mm dia	60	Mtrs	500.00	30000.00


एस. के. मजूमदार
S K MAZUMDER
वरिष्ठ प्रबंधक (अभि.-विद्युत)
Sr. Manager (Engg.-Elect.)
भारतीय विमानपत्तन प्राधिकरण, सिलचर
AIRPORTS AUTHORITY OF INDIA, SILCHAR

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
40	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 32 mm dia	60	Mtrs	800.00	48000.00
41	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 40 mm dia	60	Mtrs	900.00	54000.00
42	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 50 mm dia	30	Mtrs	1100.00	33000.00
43	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 65 mm dia	25	Mtrs	1300.00	32500.00
44	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including jointing as per specification, 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 : 80 mm dia	40	Mtrs	1400.00	56000.00
45	Supply & Making suitable RCC foundation base for installation of new pump set of 1:3:6 grade having approx size 4ft x 2.5ft x 0.5 ft after making suitable RCC underground foundation complete as required. 50 HP Fire Fighting Pump Motor Set	2	Job	13000.00	26000.00
	FIRE EXTINGUISHERS:				
46	Supply Installation, Testing & Commissioning of DCP type fire extinguisher of capacity 9 Kg complete as required.	25	Nos	4500.00	112500.00
47	Supply Installation, Testing & Commissioning of Water type fire extinguisher of capacity 9 Ltr complete as required.	15	Nos	2200.00	33000.00
48	Supply Installation, Testing & Commissioning of Co2 type fire extinguisher of capacity 4.5 Kg including horn & hose Pipe complete as required.	20	Nos	13000.00	260000.00
49	Supply Installation, Testing & Commissioning of Co2 type fire extinguisher of capacity 9.0 Kg including horn & hose Pipe complete as required.	25	Nos	14000.00	350000.00
50	Supply Installation, Testing & Commissioning of Co2 type fire extinguisher of capacity 22.5 Kg including horn & hose Pipe complete as required.	4	Nos	23000.00	92000.00
51	Supply Installation, Testing & Commissioning of AFFF type fire extinguisher of capacity 9.0 Ltr complete as required.	10	Nos	4000.00	40000.00
52	Dismantling the existing multistage centrifugal motor pump set from the foundation alongwith related accessories and transporting the same from operational area to AAI store around 1 KM (Approx) complete as required. 50 HP Fire Fighting Pump Motor Set	2	Job	5000.00	10000.00
53	Dismantling the existing Centrifugal Pump set from the foundation alongwith related accessories and transporting the same from operational area to AAI store around 1 KM (Approx) complete as required. 7.5 HP Jockey Pump Set	1	Job	4000.00	4000.00
54	Dismantling of existing 'C' class heavy duty 80 mm MS pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, dummy, bend, tapers, nuts bolts, gaskets etc complete as required.	150	Mtr	220.00	33000.00
55	Dismantling of existing 'C' class heavy duty 100 mm MS pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, dummy, bend, tapers, nuts bolts, gaskets etc complete as required.	100	Mtr	230.00	23000.00
56	Dismantling of LT panel of size (2.2x2.15x.6 mtr) from its existing location & transporting the same from operational area to AAI store around 1 KM (Approx) etc complete as per site requirement.	1	Job	4000.00	4000.00
57	Re-fixing of 'C' class heavy duty 80 mm MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows, tees, flanges, dummy, bend, tapers, nuts bolts, gaskets etc complete as required.	150	Mtr	400.00	60000.00
58	Re-fixing of 'C' class heavy duty 100 mm MS pipe conforming to IS 1239/3589 i/c welding, fittings like elbows, tees, flanges, dummy, bend, tapers, nuts bolts, gaskets etc complete as required.	100	Mtr	500.00	50000.00
59	Dismantling the existing Internal / External MS Hose cabinet of following size : 1.5M x 1.0M x 0.75 M / 0.91M x 0.61M x 0.50M / 1.0M x 0.61M x 0.46M i/c removing of old butterfly valve, hoses, branch pipes connection etc. and transporting the same from operational area to AAI store around 1 KM (Approx) with proper dismantle record registered and submitted to E.I.C complete as required.	10	Job	4000.00	40000.00
	SH: II - CIVIL WORK				
	CONSTRUCTION OF FIRE TANK, RENOVATION AND ASSOCIATED WORKS				
60	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. (a) All kinds of soil	232	Cum	400.00	92800.00
61	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (a) All kinds of soil.	14.5	Cum	500.00	7250.00
62	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	75	Cum	400.00	30000.00
63	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials (a) All kinds of soil.	58	Cum	400.00	23200.00

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
64	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	4	Cum	4000.00	16000.00
65	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil.	80	Sqm	230.00	18400.00
66	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: (a) 1:2:4 (1 cement : 2 coarse sand (zone-II) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	2	Cum	13000.00	26000.00
67	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:4:8 (1 Cement : 4 coarse sand (zone-II) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources).	15	Cum	13000.00	195000.00
68	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-II) derived from natural sources : 4 graded stone aggregate 12.5 mm nominal size derived from natural sources).	2.5	Sqm	400.00	1000.00
69	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	320	Per bag of 50 kg cement	230.00	73600.00
70	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-II) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	43	Sqm	500.00	21500.00
71	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: (a) 1:1.5:3 (1 cement : 1.5 coarse sand(zone-II) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	1	Cum	13000.00	13000.00
72	Centering and shuttering including strutting, propping etc. and removal of form for: (a) Foundations, footings, bases of columns, etc. for mass concrete.	323	Sqm	1400.00	452200.00
73	Centering and shuttering including strutting, ropping etc. and removal of form for: (b) Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	313	Sqm	1400.00	438200.00
74	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers.	3	Sqm	1400.00	4200.00
75	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. (a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	3045	Kg	130.00	395850.00
76	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. (i) All works upto plinth level (a) Concrete of M25 grade with minimum cement content of 330 kg /cum.	48	Cum	13000.00	624000.00
77	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: (a) Cement mortar 1:6 (1 cement : 6 coarse sand).	5	Cum	9000.00	45000.00
78	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: (a) Cement mortar 1:6 (1 cement : 6 coarse sand)	6	Cum	9000.00	54000.00
79	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) nondecorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: (a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	5.1	Sqm	4000.00	20400.00
80	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete: (a) 300 x 16 mm.	2	Each	5000.00	10000.00
81	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: (a) 300 x 10 mm	2	Each	230.00	460.00
82	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: (a) 125 mm.	2	Each	230.00	460.00
83	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. (a) Single Rubber Stopper.	2	Each	250.00	500.00
84	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	200	Kg	140.00	28000.00
85	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolledsteel sections, joints mitred and flash butt welded and sash bars tenoned and riveted,including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment)				
	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	40	Kg	230.00	9200.00
86	Providing and fixing bolts including nuts and washers complete.	20	Kg	230.00	4600.00



S K MAZUMDER

वरिष्ठ प्रबंधक (अभि.-विद्युत)

Sr. Manager (Engg.-Elect.)

भारतीय विमानपत्तन प्राधिकरण, सिलचर
AIRPORTS AUTHORITY OF INDIA, SILCHAR

SL. NO	Description of Items	Qty	Unit	Rate (Excl. GST)	Amount (Excl. GST)
87	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	30	Sqm	2300.00	69000.00
88	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. 110 mm diameter.	16	Mtr.	400.00	6400.00
89	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05 mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	10	Sqm	2300.00	23000.00
90	Providing and fixing pre-coated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete: (a) Gutter (600 mm over all girth).	6	Mtr.	2300.00	13800.00
91	12 mm cement plaster of mix: (a) 1:6 (1 cement: 6 fine sand).	290	Sqm	400.00	116000.00
92	15 mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement: 6 fine sand).	114	Sqm	500.00	57000.00
93	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: (a) New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm).	114	Sqm	230.00	26220.00
94	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	10	Sqm	230.00	2300.00
95	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	114	Sqm	50.00	5700.00
96	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. (a) Two coats.	114	Sqm	140.00	15960.00
97	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	26	Sqm	40.00	1040.00
98	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).	3.1	Cum	2300.00	7130.00
99	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. (a) In cement mortar.	1	Cum	2300.00	2300.00
100	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: (a) Of area 3 sq. metres and below.	3	Each	2300.00	6900.00
101	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	178	Sqm	2300.00	409400.00
102	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. (a) 80 mm thick C.C. paver block of M-35 grade with approved colour design and pattern.	70	Sqm	500.00	35000.00
103	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall.	50	Mtr.	400.00	20000.00
104	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (a) 50 to 80 mm nominal bore.	2	Each	400.00	800.00
105	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): (a) 50 mm nominal bore.	3	Each	2500.00	7500.00
106	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work): (a) 50 mm nominal bore.	7	Each	500.00	3500.00
Total Amount (Excl. GST)					9057540.00
Say					9057540.00

(Rupees Ninety Lakh Fifty Seven Thousand Five Hundred & Forty only)

Signature Not Verified

Digitally signed by SAMIR KUMAR (Engg-E)
MAZUMDER, AAI, Silchar Airport
Date: 2025.04.10 12:02:42 IST
Location: eProcurement System for
Central PSU
SUPPLY AUTHORITY OF INDIA, SILCHAR