



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
इंजीनियरिंग स्कंध (विद्युत).
ENGINEERING WING (ELECT.).

संख्या: भा.वि.प्रा./बागडोगरा/उप.महाप्रबंधक(अभि.-वि.)/सी.डब्लु.-04/2025-26/297/1-7

दिनांक: 30-10-2025

No. : AAI/BD/DGM(E-E)/CW-04/2025-26/

Date: 30-10-2025

सेवा मे,
मेसर्स. त्रिवेणी फायर सर्विसेज,
कारगी चौक देहरादून,
देहरादून - 248001
ई-मेल: trivenifireservices@gmail.com

To,
M/s. Triveni Fire Services,
Kargi Chowk Dehradun,
Dehradun - 248001
E-Mail: trivenifireservices@gmail.com

विषय/Subject: बागडोगरा हवाई अड्डे पर अग्निशमन प्रणाली का प्रावधान और जल आपूर्ति प्रणाली का संवर्धनयुनविन्यास/ Provision of Fire Fighting System and augmentation / re-orientation of water supply system at Bagdogra Airport.
संदर्भ / Ref : 1) ई-टेंडर आई. डी. क्रमांक/E-Tender ID No.: 2025_AAI_245661_1

महोदय / Sir(s),

3. उपर्युक्त कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा बताए गए मद मूल्यों पर आपकी उद्धृत राशि कुल रु. 1,35,80,115.00 (जी.एस.टी. छोड़कर), पर स्वीकृत की जाती है, जो कि टेंडर की न्यायोचित राशि रु. 1,54,76,989.00 से 12.26 % नीचे है।

Your 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. 1,35,80,115.00** (Rupees One Crore Thirty Five Lakhs Eighty Thousand One Hundred and Fifteen only) excluding GST, which is **12.26%** (Twelve-point two six percent) below the Justified Cost of Rs. 1,54,76,989.00 (excluding GST).

4. **उप महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421**, इस कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे निवेदन है कि, आपकी ओर से आप अथवा आपके द्वारा अधीकृत प्रतिनिधि नियुक्त करें जो कि करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक **23.11.2025** तक **उप महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., बागडोगरा हवाईअड्डा** के कार्यालय में करार पर हस्ताक्षर करने एवं उसको पूरा करने हेतु उपस्थित हों। ठेके का करारनामा रु. **100/-** (रुपया एक सौ मात्र) के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा तथा स्टाम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।

Dy. General Manager (Engg. -Elect.), AAI, Bagdogra Airport, Bagdogra-734421 shall be the **Engineer-in - Charge** of the work. You are requested to attend the office of Dy. General Manager (Engg. -Elect.), AAI, Bagdogra Airport, Bagdogra – 734421 by **23.11.2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.

5. आपके निविदा से साथ प्राप्त बयाना राशि रु. **4,64,310/-** को संविदा दस्तावेज के पृष्ठ 16 | GCC पर दी गई क्लॉज़ जी.सी.सी. 1(ए) के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृप्या इस पत्र के जारी करने से 10 दिन में सुरक्षा जमा के लिए रु. **8,93,702/-** जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज के पृष्ठ 16 | GCC पर दी गई क्लॉज़ जी.सी.सी. 1(ए) के अनुसार आपके रनिंग बिल से काट ली जाएगी।

The earnest money amount of **Rs. 4,64,310/-** (Rupees Four Lakhs Sixty Four Thousand Three Hundred and Ten only) received along with your tender has been converted as part of security deposit as per GCC clause 1(A) on page 16 | GCC of the contract document. Please deposit **Rs. 8,93,702/-** (Rupees Eight lakhs Ninety Three Thousand Seven Hundred and Two only) towards Security Deposit within 10 days from issue of this letter, failing which, the same will be deducted from your running bills as per GCC clause 1(A) on page 16 | GCC of the contract document.

6. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम श्रम अनुबंध नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन अवश्य करें।

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

स्वीकृत
30/10/2025

Continued to Page No. 2

10. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमानित समय 05(पाँच) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन के बाद से की जाएगी।
Please note that the time allowed for carrying out the work shall be 05 (Five) months and same shall be reckoned from the 10th day after issue of this letter.
11. आपको निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि.-विद्युत)-III, भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421 से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।
You are directed to contact with the **Manager (Engg. -Elect.)-III, AAI, Bagdogra Airport, Bagdogra-734421** who will arrange to hand over the site to you.
12. इस ठेके के संबंध में आगे का कोई भी पत्राचार इंजीनियर-इन-चार्ज को किया जाएगा।
Any further correspondence in connection with the contract should normally be addressed to the Engineering-in-Charge.
13. कृपया पावती भेजे और स्वीकृति प्रतिलिपि के तौर पर संलग्नित पत्र की हस्ताक्षरित प्रति इस कार्यालय को अवश्य भेजे।
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.
14. यदि अंग्रेजी और हिन्दी पाठ में कोई असंगति पायी जाती है तो अंग्रेजी पाठ को प्राथमिकता दी जायेगी।
If there is any discrepancy between English and Hindi, then meaning derived in English will be given precedence.
- संलग्न/Encl : i) कार्य की अनुसूची (कुल 13 पेज) / Schedule of work (Total 13 pages)

भवदीय/Yours faithfully,

(देवदीप दत्ता /Debdeep Dutta)

उप महा प्रबंधक (अभि.-विद्युत), ए.ए.आई., बागडोगरा विमानतल
DGM (Engg. -Elect), AAI, Bagdogra Airport,
अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण के लिए व उनकी तरफ से
For and on behalf of the Chairman, Airports Authority of India

2025/01/05



AIRPORTS AUTHORITY OF INDIA
ENGINEERING - ELECTRICAL WING
BAGDOGRA AIRPORT

SCHEDULE OF QUANTITY

Name of Work: Provision of Fire Fighting System and augmentation / re-orientation of water supply system at Bagdogra Airport.

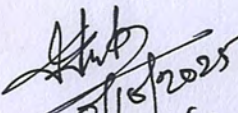
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.1	A. FIRE FIGHTING SYSTEM Supply, installation, testing and commissioning of Electric driven main fire pump suitable for automatic operation and consisting of following: complete in all respect as required as per specifications. (a) Horizontal type, centrifugal, split casing pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 kg/sq.cm.at highest and farthest outlet at specified flow of 2850 lpm at 70 m. head conforming to IS 1520 (b) Suitable HP squirrel cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415 volts, 3 phase 50 Hz. AC with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS- 325. (c) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. duly painted as required.	1.00	Set	₹ 410,000.00	₹ 410,000.00
Item No.2	Supply, installation, testing and commissioning of Diesel Engine driven fire pump suitable for automatic operation comprising of the following and conforming to BS 649/IS 10002 all amended upto date. Horizontal, centrifugal end suction top discharge single stage pump set. The installation shall be complete with flexible coupling and coupling guard as required. Fire pump shall have C.I. casing, CS diffusers, bronze impeller (hard finished and dynamically balanced) and SS (304) shaft with mechanical seal, capable for delivering 2850 LPM at head of 70 mts to ensure a minimum pressure of 3.5 Kg/Sqcm at the farthest or topmost hydrant / sprinkler. The installation shall be complete with necessary pressure gauge with gun metal shut off cock on delivery side (The pump should be tested for bench mark at factory and shall be gotten approved by the Local fire Authority). Pump shall be capable of furnishing not less than 150% of rated capacity at a head of not less than 65% of the rated head. The shut off head shall not exceed 120% of rated head. Radiator cooled (secondary cooling) diesel engine of speed 1500 RPM suitable for the above pump with automatic starting mechanism and other accessories including fuel tank (fabricated from 3mm MS sheet, painted with two coats of synthetic enamel paint over a coat of primer) of capacity adequate to sustain pump operation for 8 hours continuous working. The tank shall be fitted with MH with cover, drain valve, air vent including structural supports (painted with approved shade), 2 Nos. 12 volt battery 120 AH, heat exchanger with necessary piping connections & fittings, flexible coupling, coupling guard & exhaust pipe connection complete as required. Common base plate for M.S. channel of required size and suitable cement concrete foundation with plaster complete as required.	1.00	Set	₹ 760,000.00	₹ 760,000.00

30/10/2025
 D Gm (E&E)

Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.3	Supply, Installation, testing and commissioning of electric driven pressurisation (Jockey) pump suitable for automatic operation and consisting of following: complete in all respect as required as per specifications. (a) Horizontal type, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal and flow of 180 lpm at 70 m. head conforming to IS : 1520. (b) Suitable HP SQ cage induction motor TEFC type suitable for operation of 415 volts, 3 phase 50 Hz. AC with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS : 325. (c) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. duly painted as required.	1.00	Set	₹ 120,000.00	₹ 120,000.00
Item No.4	Supplying, testing, installation & commissioning of pressure switches for Fire fighting system including necessary wiring upto control panel & other materials as required as per specifications.	4.00	Each	₹ 2,300.00	₹ 9,200.00
Item No.5	Providing & fixing dial type (100 mm) pressure gauge with isolation ball valve suitable for working pressure of 250 PSI, short pieces, nipples, elbows, stainless steel 'U' tube & ball valve, etc as required as per specifications.	4.00	Each	₹ 2,400.00	₹ 9,600.00
Item No.6	PIPES & VALVES Providing, laying, testing and commissioning of 'C' Class heavy duty GI Pipe conforming to IS:1239 / 3589 fittings like tees, elbows, flanges, tapers, compressed asbestos gaskets, nuts and bolts, etc. Fixing the pipe on wall / ceiling/ supported on existing structure with suitable clamps painting with two or more coats of synthetic enamel paint of required shade complete as required as per specifications.				
Item No.6.1	25 mm dia	30.00	Metre	₹ 570.00	₹ 17,100.00
Item No.6.2	65 mm dia	30.00	Metre	₹ 1,198.00	₹ 35,940.00
Item No.6.3	80 mm dia	300.00	Metre	₹ 1,431.00	₹ 429,300.00
Item No.6.4	150 mm dia	2220.00	Metre	₹ 2,900.00	₹ 6,438,000.00

[Signature]
30/10/2025
DGM (R-6)

Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.6.5	200 mm dia	30.00	Metre	₹ 4,200.00	₹ 126,000.00
Item No.6.6	250 mm dia	30.00	Metre	₹ 4,600.00	₹ 138,000.00
Item No.7	Supplying, laying, testing and commissioning of pipes of following sizes of MS 'C' class heavy duty along with necessary clamps, vibration isolators and fittings such as elbows, tees, flanges, tapers, nut bolts, gaskets etc..but excluding valves, strainers, gauges etc. adequately supported on cement concrete supports, anti corrosive treatment with coaltar / Asphalt tape as per IS : 1022 duly painted and buried in ground, excavation and refilling the trench etc. as per specifications and as required complete in all respect. Note : The Pipes size 150 mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150 mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35 mm thick M.S. Sheet for pipes upto 350 mm dia.				
Item No.7.1	150mm dia. (for External)	200.00	Metre	₹ 2,890.00	₹ 578,000.00
Item No.7.2	100mm dia. (for External)	30.00	Metre	₹ 1,890.00	₹ 56,700.00
Item No.7.3	80mm dia. (for External)	50.00	Metre	₹ 1,620.00	₹ 81,000.00
Item No.8	Providing & fixing of following sizes of butterfly valve of rating PN 16, wafer type, in cast iron body with Ductile Iron disc, EPDM seal, SS single piece shaft, conforming to IS-13095 of the following sizes complete with cast iron hand lever companion flanges, bolts, nuts, washers & inserted rubber gaskets, as required and as per enclosed specifications.				
Item No.8.1	40 mm dia	1.00	Each	₹ 3,200.00	₹ 3,200.00
Item No.8.2	65 mm dia	1.00	Each	₹ 6,100.00	₹ 6,100.00
Item No.8.3	80 mm dia	20.00	Each	₹ 6,600.00	₹ 132,000.00
Item No.8.4	100 mm dia	1.00	Each	₹ 7,200.00	₹ 7,200.00
Item No.8.5	150 mm dia	8.00	Each	₹ 7,800.00	₹ 62,400.00
Item No.8.6	200 mm dia	1.00	Each	₹ 9,800.00	₹ 9,800.00


 30/10/2025
 JGM (E-6)

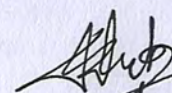
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.9	Providing & fixing CI dual plate check valve PN 16, including rubber gasket, flanges, union, nuts, bolts, washers & painting complete as required as per specifications.				
Item No.9.1	80 mm dia	2.00	Each	₹ 6,500.00	₹ 13,000.00
Item No.9.2	100 mm dia	2.00	Each	₹ 7,400.00	₹ 14,800.00
Item No.9.3	150 mm dia	2.00	Each	₹ 9,500.00	₹ 19,000.00
Item No.9.4	200 mm dia	1.00	Each	₹ 12,000.00	₹ 12,000.00
Item No.10	Providing & fixing of CI double flange sluice valve of rating PN 16 with non rising SS spindle, Bronze/Gun Metal seat conforming to IS -780 complete with flanges,nut-bolts, gasket, washers etc. as required and as per enclosed specifications.				
Item No.10.1	80 mm dia	3.00	Each	₹ 9,800.00	₹ 29,400.00
Item No.10.2	150 mm dia	7.00	Each	₹ 22,800.00	₹ 159,600.00
Item No.10.3	200 mm dia	2.00	Each	₹ 28,000.00	₹ 56,000.00
Item No.11	Providing & fixing of Stainless Steel double flange suction "Y" type strainer fabricated out of minimum 1.2 mm thick Stainless Steel sheet. perforation holes including nuts, bolts and 2 mm thick rubber insertion complete & tested to 16 Kg/Sq.cm pressure complete as required and as per enclosed specifications.				
Item No.11.1	80 mm dia	1.00	Each	₹ 14,200.00	₹ 14,200.00
Item No.11.2	200 mm dia	2.00	Each	₹ 32,000.00	₹ 64,000.00
Item No.12	Providing & fixing of Flow Switch with all accessories. paddle type SPDT WFS, Operating Pressure 10kgf/cm ² , Withstand Pressure 17.5Kgf/cm ² Temperature of Fluid Max 100°C .				
Item No.12.1	150 mm NB	2.00	Each	₹ 7,200.00	₹ 14,400.00
Item No.12.2	100 mm NB	8.00	Each	₹ 7,200.00	₹ 57,600.00

[Signature]
30/10/2025
DGM (E-6)

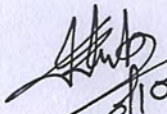
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.13	Providing and fixing forged brass ball valve with forged brass ball PN 16 rating with nut, bolts & washers, painting etc complete as required as per specifications.				
Item No.13.1	25 mm dia	12.00	Each	₹ 1,020.00	₹ 12,240.00
Item No.13.2	40 mm dia	4.00	Each	₹ 2,800.00	₹ 11,200.00
Item No.14	Providing & fixing gun metal single headed fire hydrant landing valve (external & internal) with flanged inlet, brass spindle controlled 63 mm dia female instantaneous outlet type. CI wheel, GM (gun metal) coupling, blank cap, chain, twist release type lug & all accessories. Conforming to IS:5290 complete as required as per specifications.	26.00	Each	₹ 10,800.00	₹ 280,800.00
Item No.15	Providing & fixing permaline delivery fire hose pipe (as per IS : 636) of 63 mm dia and 15 meter length. The hose shall be rated for burst pressure of 35.7 Kg/sqcm. Hose shall be complete with ISI marked brass male & female coupling (IS:903) bound & rivetted to hose pipe with copper rivets & copper wire as required as per specifications. (Location : Internal fire hydrant)	52.00	Each	₹ 6,200.00	₹ 322,400.00
Item No.16	Providing and Fixing 63 mm dia instantaneous pattern branch short gunmetal pipe, 20 mm dia nozzle conforming to IS 903, suitable for instantaneous connection to hose pipe coupling complete as required as per specifications.	26.00	Each	₹ 2,600.00	₹ 67,600.00
Item No.17	Supplying and fixing First-Aid-Hose Reel with MS construction spray painted in Post office red, conforming to IS 884 with upto date ammendments, complete with the following as required. 30m long 20mm (nominal internal) dia water hose thermoplastic as per IS:12585. 20mm (nominal internal) dia gun metal globe valve & nozzle.Drum and brackets for fixing the equipments on wall, including Connections from riser with 40mm dia stop valve (gun metal) & G.I.pipe	10.00	Each	₹ 8,800.00	₹ 88,000.00
Item No.18	Providing and fixing of following weather proof lockable cabinet of size not less than 0.75 x 0.60 x 0.25 mtr suitable to accomodate 2 Nos. 15 m long, hose pipes and 1 No. branch pipe made out of Powder coated MS sheet of approved shade, 2mm thick having central opening and 6 mm thick glazed glass doors (Two nos.), stainless steel hinges, break glass recess key holder, suitably marked on the outside with the letters "FIRE HOSE" including necessary locking arrangement and approved shade complete as required.				
Item No.18.1	Providing and fixing of Pedestal mounted type Fire Hose Cabinet with sloping top including constructing suitable stand made out of steel structure or brickwork as per site requirement.	14.00	Each	₹ 6,200.00	₹ 86,800.00
Item No.18.2	Providing and fixing of Wall mounted type Fire Hose Cabinet including drilling of holes and fixing with suitable fasteners as per site requirement.	12.00	Each	₹ 4,200.00	₹ 50,400.00
Item No.19	Providing & fixing double flanged flexicon rubber expansion joint (suitable for system test pressure) of standard length as per manufacturers specs including rubber gaskets, flanges, nuts, bolts and washers complete as required as per specifications.				
Item No.19.1	80 mm dia	1.00	Each	₹ 6,800.00	₹ 6,800.00
Item No.19.2	150 mm dia	2.00	Each	₹ 8,200.00	₹ 16,400.00

30/10/2025
JGM (B-E)

Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.20	Providing & fixing of 25mm dia. gunmetal air release valve with all fittings and forged ball valve on header complete as required and as per enclosed specifications.	2.00	Each	₹ 1,400.00	₹ 2,800.00
Item No.21	Supplying and fixing of 3 way fire brigade connection of cast iron body with 4 nos. Gun metal male instantaneous inlet couplings complete with cap and chain as required for 150 mm dia MS pipe connection, conforming to IS 904 as required as per specifications.	2.00	Each	₹ 7,800.00	₹ 15,600.00
Item No.22	Supplying and fixing of fire brigade suction hose coupling (Two way Draw out connection) in CI body , Gun metal internal connection with nut for female coupling required for 150mm dia GI pipe connection as per IS 904 as required.	1.00	Each	₹ 7,200.00	₹ 7,200.00
Item No.23	Providing & fixing of MS cabinet to enclose fire brigade connection inlet and draw out connection fabricated from MS sheet 2mm thick with 2mm thick MS sheet frame with full front glass door and locking arrangement duly painted with one coat of primer and two or more coats of synthetic enamel paint of approved make and shade as required as per specifications.	3.00	Set	₹ 6,800.00	₹ 20,400.00
Item No.24	Constructing masonry chamber 90x90x100cm inside designation brick work in cement mortar 1:5 (1 cement : 5 fine sand) and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), necessary excavation, foundation concrete 1:5:10 mix (1 cement : 5 fine sand:10 grades stone aggregate 40mm nominal size), and inside plastering with cement mortar 1:3 (1cement : 3 coarse sand), 12mm thick finished with a floating coat of neat cement, including providing and fixing CI medium duty manhole cover with frame of 560 mm internal dia complete as per standard design with FPS bricks	2.00	Each	₹ 4,200.00	₹ 8,400.00
Item No.25	Supply and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200 mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25mm dia valve, with all required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required as per specifications.	1.00	Each	₹ 12,000.00	₹ 12,000.00
	Supply, Installation, Testing & Commissioning of fire hydrant panel, cubicle type body made out of 2mm thick CRCA sheet,totally enclosed, IP 42, floor/wall mounted with channel base frame, dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with extensible busbars on both sides, making interlocking arrangement between incomers breakers, including control wiring with 2.5 sq mm size wires/cable and control MCBs of 2A rating, interconnection, duly powder coated painting etc. including supply & installation of following switchgears, metering instruments and accessories as per specifications.				
	INCOMER				
	2 Nos. 250 Amp four pole Moulded Case Circuit Breaker (Ics value 35 KA) Icu=100% of Ics with built in microprocessor based release unit with adjustable setting with interlocking between two incomers (2 lock & 1 key).				


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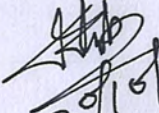
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.26	INSTRUMENTS	1.00	Set	₹ 215,000.00	₹ 215,000.00
	Digital Ammeter & Voltmeter, Class 1 for 3 phase as per specifications. - 2 Nos. each				
	2 Sets of RYB phase indicating lamps controlled by 2 amp MCB (Line Side) and ON/OFF LED indicator				
	BUSBARS				
	400 Amp TPN busbars of high conductivity electrolytic quality aluminium alloy				
	OUTGOING				
	a. 2 Nos. 160 amps TP MCCB, 35 KA (Ics=100% Icu) with inbuilt thermal based release single phase preventer complete with all accessories with Star delta starters of suitable rating for out going feeders to Main Hydrant pump motor. The compartment shall contain suitable rating analogue type ammeter with CTs and indicating lamp with MCBs for 'ON'/OFF'TRIP' status of motor including control wiring as per specifications.				
	b. 1 Nos. 63 amps TP MCCB, 35 KA (Ics=100% Icu) with inbuilt thermal based release with single phase preventer complete with all accessories along with DOL/Star-Delta starter as applicable for out going feeders to Jockey pump motor. The compartment shall contain suitable rating analogue type ammeter with CTs and indicating lamp with MCBs for 'ON'/OFF'TRIP' status of motor including control wiring as per specifications..				
	c. 1No. 100 amps TP MCCB, 35 KA (Ics=100% Icu) - Spare (with compartment size equal suitable for housing DOL starter)				
	All MCCBs shall be provided with spreader links and rotary handle suitable accessories.				
Item No.27	Power cable, Control cable and cable tray with all accessories Supply of following XLPE insulated and PVC sheathed armoured Power Cable of 1.1KV grade, confirming to IS 7098, Part-I 1988 with up to date amendments and confirming to technical specifications. (The outer sheath shall be FRLS.)				
Item No.27.01	3.5 C x 70 Sq. mm Aluminum conductor.	60.00	Metre	₹ 820.00	₹ 49,200.00
Item No.27.02	3.5 C x 50 Sq. mm Aluminum conductor.	50.00	Metre	₹ 710.00	₹ 35,500.00
Item No.27.03	4 C x 16 Sq. mm Aluminum conductor.	40.00	Metre	₹ 480.00	₹ 19,200.00
Item No.27.04	Supply of following PVC insulated FRLS copper conductor cable for Voltage upto 1100 Volts conforming to IS-694:1990 of following size:	30.00	Metre	₹ 210.00	₹ 6,300.00
	3 C x 2.5 Sq.mm (For Motor Space Heater)				
Item No.27.05	2C x 1.5 Sq. mm	60.00	Metre	₹ 120.00	₹ 7,200.00


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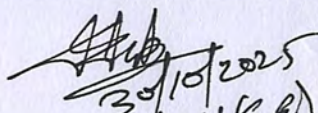
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.28	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Upto 35 sq. mm (clamped with 1mm thick saddle) on wall surface as required.	220.00	Metre	₹ 710.00	₹ 156,200.00
Item No.29	Supplying 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.				
Item No.29.1	3.5C x 70 Sq. mm	4.00	Each	₹ 500.00	₹ 2,000.00
Item No.29.2	3.5C x 50 Sq.mm	2.00	Each	₹ 500.00	₹ 1,000.00
Item No.29.3	4C x 16 Sq.mm	4.00	Each	₹ 500.00	₹ 2,000.00
Item No.30	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/submain wiring/ cable as required.	200.00	Metre	₹ 120.00	₹ 24,000.00
Item No.31	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
Item No.31.1	150 mm width X 50 mm depth X 1.6 mm thickness	40.00	Metre	₹ 910.00	₹ 36,400.00
Item No.32	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.00	Lot	₹ 9,500.00	₹ 19,000.00
Item No.33	Providing and fixing 25 mm X 5 mm GI strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	20.00	Metre	₹ 790.00	₹ 15,800.00
Item No.34	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. as required.	40.00	Metre	₹ 90.00	₹ 3,600.00
Item No.35	Required Civil & Structural Work & Miscellaneous work Required Structural Support/ Scaffolding & Accessories, MS fabricated for instalation of all the Hydrant & Sprinkler system.	1.00	Lot	₹ 50,000.00	₹ 50,000.00
Item No.36	Required Earth Cutting & back filling.	280.00	CuM	₹ 410.00	₹ 114,800.00
Item No.37	Hydro testing for all the pipe lines as per specification.	1.00	lot	₹ 25,000.00	₹ 25,000.00
Item No.38	Supply & fixing of Hume Pipe, DN300 Class NP-3 Flush Joint Reinforcement Pipe excluding earth cutting.	50.00	Metre	₹ 850.00	₹ 42,500.00
Item No.39	Advisory, consultancy & all required formalities to collect NOC for Fire from Statutory Authority.	1.00	Job	₹ 300,000.00	₹ 300,000.00

[Signature]
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Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.40	Fire Extinguishers Supply & installation of following ISI Marked Fire Extinguishers for Terminal building, DG Room & Admin Building.				
Item No.40.01	6 Kg DCP type Fire Extinguishers	20.00	Each	₹ 2,600.00	₹ 52,000.00
Item No.40.02	9 Kg DCP type Fire Extinguishers	8.00	Each	₹ 3,200.00	₹ 25,600.00
Item No.40.03	2 Kg CO2 type Fire Extinguishers	10.00	Each	₹ 4,200.00	₹ 42,000.00
Item No.40.04	4.5 Kg CO2 type Fire Extinguishers	34.00	Each	₹ 5,800.00	₹ 197,200.00
Item No.40.05	9 Kg CO2 type Fire Extinguishers (Trolley Mounted)	4.00	Each	₹ 11,200.00	₹ 44,800.00
Item No.40.06	RRL Delivery hose (30 meters) with gunmetal coupling	20.00	Each	₹ 9,800.00	₹ 196,000.00
Item No.40.07	Canvas Delivery hose (30 meters)	10.00	Each	₹ 2,600.00	₹ 26,000.00
Item No.40.08	25mm Branch and Nozzle (Ordinary branch)	10.00	Each	₹ 1,600.00	₹ 16,000.00
Item No.40.09	12.5mm Branch and Nozzle (Ordinary branch)	10.00	Each	₹ 450.00	₹ 4,500.00
Item No.40.10	Rubber washer for hydrant outlet 63mm	100.00	Each	₹ 100.00	₹ 10,000.00
Item No.41	Fire Alarm Panel SITC of of UL listed & FM approved Addressable Multisensor detector with Standardbase having inbuilt isolator. Model no OH921 + DB11E or equivalent.	50.00	Nos	₹ 2,600.00	₹ 130,000.00
Item No.42	Supply,Installation,Testing & Commissioning of UL listed & FM approved addressable Monitor module with inbuilt fault isolator.	7.00	Nos	₹ 3,200.00	₹ 22,400.00
Item No.43	Supply,Installation,Testing & Commissioning of Manual Call Point.	3.00	Nos	₹ 3,600.00	₹ 10,800.00
Item No.44	Supply and laying of 2C x 1.5 sq mm Fire alarm armoured cable.	50.00	Meter	₹ 128.00	₹ 6,400.00
Item No.45	Graphics modification and Recommissioning of existing addressable Fire Alarm Panel.	1.00	Job	₹ 50,000.00	₹ 50,000.00
Item No.46	B. WATER TRANSFER SYSTEM Dewatering of water from the existing sump and cleaning of surface with agencies own arrangement as required for SITC of New Pump Motor Sets in sump.	1.00	Job	₹ 10,000.00	₹ 10,000.00


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 DGM (F&B)

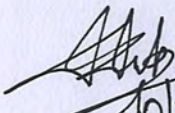
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.47	Making C.C foundation with necessary steel rod for installation of 3 nos. mono submersible pump motor sets.	3.27	CFT	₹ 4,500.00	₹ 14,715.00
Item No.48	SITC of Mono Submersible Pump motor set of 5HP/3.7 KW, 2900 RPM, 3Phase, 415 Volt +/- 10% having 65/50 mm dia. Suction delivery of discharging capacity 400 LPM on 30 mtr, Head.	3.00	Set	₹ 56,000.00	₹ 168,000.00
Item No.49	Supply & Fixing following Gun Metal Valve as required.				
Item No.49.01	50mm dia (Horizontal) NRV.	3.00	Each	₹ 3,800.00	₹ 11,400.00
Item No.49.02	80mm dia (H) Gate Value.	3.00	Each	₹ 9,800.00	₹ 29,400.00
Item No.49.03	Supply & Fixing following G.I. Pipes:				
Item No.49.04	50mm dia.	15.00	Metre	₹ 910.00	₹ 13,650.00
Item No.49.05	80mm dia.	13.00	Metre	₹ 1,620.00	₹ 21,060.00
Item No.49.06	Supply & Fixing following G.I. Fittings as required.				
Item No.49.07	50mm X 300mm long G.I. Niple.	6.00	Each	₹ 120.00	₹ 720.00
Item No.49.08	80mm X 150mm long G.I. Niple.	3.00	Each	₹ 350.00	₹ 1,050.00
Item No.49.09	50mm dia Elbow.	3.00	Each	₹ 150.00	₹ 450.00
Item No.49.10	50mm dia Socket.	4.00	Each	₹ 200.00	₹ 800.00
Item No.49.11	50mm dia Tee.	2.00	Each	₹ 450.00	₹ 900.00
Item No.49.12	50mm dia Union.	3.00	Each	₹ 400.00	₹ 1,200.00
Item No.49.13	50mm dia Flang with rubber sheet and nut bolts.	4.00	Pair	₹ 120.00	₹ 480.00
Item No.49.14	80mm dia Elbow.	3.00	Each	₹ 180.00	₹ 540.00
Item No.49.15	80mm dia Flange with rubber sheet and nut bolts.	3.00	Pair	₹ 220.00	₹ 660.00
Item No.49.16	Supply & fixing of 150mm dia 4Ft. Long G.I. /M.D. Header assembly with support of 3" X 3" X 5 mm M.S. angle iron frame and clamp.	1.00	Job	₹ 4,000.00	₹ 4,000.00
Item No.50	Supply & fixing of following accessories:-				
Item No.50.1	3" G.I. Socket.	3.00	Each	₹ 300.00	₹ 900.00
Item No.50.2	1 1/2" G.I. Socket.	1.00	Each	₹ 60.00	₹ 60.00
Item No.50.3	2" G.I. Socket.	1.00	Each	₹ 150.00	₹ 150.00
Item No.51	Supply & fixing of Pressure Meter alongwith Fullway (GM) Valve, Niple, Bush etc as required.	1.00	Item	₹ 2,100.00	₹ 2,100.00
Item No.52	Supply & fixing of 10mm dia PVC insulated Steel Rope alongwith necessary 'U' bolts for lifting /lowering the Pump Motor Sets in the Sump as required.	30.00	Metre	₹ 550.00	₹ 16,500.00
Item No.53	Supply & fixing of PVC insulated 3 core copper flat cable of 4 Sq.mm. for 5 HP Submersible Pump Motor Sets.	50.00	Metre	₹ 500.00	₹ 25,000.00


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Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.54	Supply & fixing of End Socket as above.	2.00	Set	₹ 250.00	₹ 500.00
Item No.55	SITC of water pump Qubical type 250mm deep wall mounted control panel body made out of 2mm thick CRCA sheet ,totally enclosed, IP 42, floor/wall mounted with channel base frame, dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system, making interlocking arrangement between incomers breakers, including control wiring with 2.5 sq mm size wires/cable and control MCBs of 2A rating, interconnection, duly powder coated painting etc. board of 14 SWA CRCA (CPRI approved) sheet having 100 Amp Copper Bus Bar (4 Nos.) Digital type Amp/Volt Meter, Sliding fuse with R-Y-B Indication Lamp , should be 7 tank process etc. including supply & installation of following switchgears, metering instruments and accessories as per specifications. Following electrical accessories should be arranged in the above panel board: INCOMER 2 Nos. 63 Amp,25 KA (Ics= 100% Icu) four pole Moulded Case Circuit Breaker with Spreader Link (As in concern) BUS-COUPLER 1 Nos. 63 Amp,35 KA,(Ics=100% Icu) four pole Moulded Case Circuit Breaker with spreader link (As in concern) with built in microprocessor based release unit with adjustable setting.Electrical & Mechanical Interlocking provision to be provided between 2 Incomers & Bus-Coupler. Instrument Digital Ammeter & Voltmeter, Class 1 for 3 phase as per specifications. - 2 Nos each. 3 Sets of RYB phase indicating lamps controlled by 2 amp MCB (Line Side) and ON/OFF LED indicator Bus Bar 100 Amp TPN busbars of high conductivity Copper Outgoing a) 5 HP DOL, 3 phase Starter, indicating lamp with MCBs for 'ON'/OFF, 'TRIP' status of motor including control wiring as per specifications - 3 nos. b) 32 Amp 4 Pole MCB=4 Nos. c) 32 Amp 2 Pole MCB.=2 Nos. Motor-Pump set Dry run preventer - For all the Pumps.	1.00	Set	₹ 65,000.00	₹ 65,000.00

[Signature]
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 DGM (E-E)

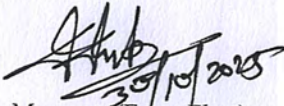
Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.56	Painting of the existing delivery pipe line for water transfer system and accessories with approved quality paints over two coat of anti corrosive red oxide.	1.00	Job	₹ 5,000.00	₹ 5,000.00
Item No.57	Supply of Aqueous Film Forming Foam (AFFF) at 6% concentrate used in MFT as fire suppressant to extinguish flammable fires.	700.00	Ltr.	₹ 75.00	₹ 52,500.00
Item No.58	Supply and fixing of fire safety related signs glow in dark PU polymer Board with backside adhesive tape having multicolour graphics printing with superior lamination for durable performance which are as follows.				
Item No.58.01	Emergency Escape Route Plan having size 36" x 48"	6.00	Lot	₹ 1,200.00	₹ 7,200.00
Item No.58.02	Emergency Escape Route Plan having size 24" x 36"	8.00	Lot	₹ 1,200.00	₹ 9,600.00
Item No.58.03	Glow in Dark Photoluminescent double sided board with Chans, ring & hooks 6" X 16"	10.00	Lot	₹ 900.00	₹ 9,000.00
Item No.58.04	Glow in Dark Photoluminescent double sided board with Chans, ring & hooks 12" X 36"	4.00	Lot	₹ 1,200.00	₹ 4,800.00
Item No.58.05	Glow in Dark Photoluminescent double sided board with Chans, ring & hooks 6" X 6"	20.00	Lot	₹ 800.00	₹ 16,000.00
Item No.58.06	Glow in Dark Photoluminescent double sided board with Chans, ring & hooks 12" X 12"	10.00	Lot	₹ 800.00	₹ 8,000.00
Item No.58.07	Glow in Dark Photoluminescent single sided board with Chans, ring & hooks - 6" x 16 "	8.00	Lot	₹ 800.00	₹ 6,400.00
Item No.58.08	Glow in Dark Photoluminescent single sided board with Chans, ring & hooks - 12" x 36 "	6.00	Lot	₹ 1,200.00	₹ 7,200.00
Item No.58.09	Glow in Dark Photoluminescent single sided board with Chans, ring & hooks - 6" x 6 "	12.00	Lot	₹ 800.00	₹ 9,600.00
Item No.58.10	Glow in Dark Photoluminescent single sided board with Chans, ring & hooks - 12" x 12 "	8.00	Lot	₹ 1,200.00	₹ 9,600.00
Item No.58.11	Glow in Dark Photoluminescent Lift Safety (FD30) having size 12"X12"	5.00	Lot	₹ 1,200.00	₹ 6,000.00
Item No.58.12	Glow in Dark Photoluminescent Self Adhesive tapes & edges Markers - 3"x 10 mtr. Roll	7.00	Lot	₹ 400.00	₹ 2,800.00
Item No.58.13	Glow in Dark Photoluminescent Self Adhesive tapes & edges Markers - 4"x 10 mtr. Roll	5.00	Lot	₹ 500.00	₹ 2,500.00
Item No.58.14	Emergency Exit lighting System celing suspended unit acrylic itched type self contained rechargeable emergency exit sign system powered by non maintainable LEDs having size of the Facia 12"x6".	10.00	Lot	₹ 3,600.00	₹ 36,000.00
Item No.58.15	Glow in dark shock resuscitation chart - WE JUMBO 11, WE JUMBO 12 & WE JUMBO 13 having size 24"x36"	4.00	Lot	₹ 6,500.00	₹ 26,000.00


 30/10/2025
 DGM(E-E)

Sl.No	Description of Item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Item No.58.16	Glow in dark Information Sign Board – FHS 12 size 36"x48"	16.00	Lot	₹ 1,200.00	₹ 19,200.00
Item No.58.17	Glow in dark Information Sign Board – FHS 12 size 48"x72"	10.00	Lot	₹ 1,500.00	₹ 15,000.00
Item No.59	Supply of stainless steel portable twin type trolley for carrying different type (ABC/DCP/Co2) type fire extinguisher.	10.00	Each	₹ 2,500.00	₹ 25,000.00
Item No.60	Supply of stainless steel portable trolley for carrying different type (ABC/DCP/Co2) type fire extinguisher.	25.00	Each	₹ 2,500.00	₹ 62,500.00
Total Rs. (excluding GST) =					₹ 13,580,115.00
Say Rs. (excluding GST) =					₹ 13,580,115.00

(Total Amount: Rupees One Crore Thirty Five Lakh Eighty Thousand One Hundred Fifteen Only)

* Note: GST will be paid on production of actual Tax Invoice as per prevailing rates Govt. Of India


 Dy. Gen. Manager (Ergg-Elect)
 AAI, Bagdogra Airport
 Bagdogra-734421

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