



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सं/No: AAI/BG/ENGG(C)/NEW ILS-HAL/WO-06/2023-24/2884-97 Dated:13-10-2023

सेवा में/To,
नित्यानंद एंड संस कॉन्ट्रैक्टर्स प्रैवट लिमिटेड
Nityanand and sons Contractors Pvt Ltd.
नं.154, सेक्टर-13, / No.154, Sector-13,
हिसार-125005(हरियाणा) / Hisar-125005(Haryana)

कार्य का नाम : एचएएल हवाई अड्डे, बंगलौर में नया नया ऐ एल एस भवन का निर्माण सम्बन्धित
सिविल कार्य

Name of Work: Construction of New ILS and Associated Civil works at HAL
Airport, Bangalore. SH: Civil and Internal Electrical works.

संदर्भ : दिनांक 15.09.2023को खोली गई निविदा ।

Ref: Your Tender opened on 15.09.2023

Tender I.D. 2023_AAI_163322_1

महोदय/Dear Sir,

1. ऊपर उल्लिखित कार्य के लिए ई-टेंडर आपके द्वारा उद्धरित आइटम धारों रु.
4,25,56,025/- (केवल चार करोड़ पच्चीस लाख छप्पन हजार पच्चीस रुपये) की राशि
के लिए जो कि अनुमानित लागत रु. 4,83,88,000/=(जीएसटी को छोड़कर) से
12.05 % नीचे है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार
किया जाता है।

E-tender for the work mentioned above is hereby accepted on behalf of
Chairman, Airports Authority of India at the Items rates quoted by you for an
amount of **Rs. 4,25,56,025/-** (Rupees Four Crore Twenty fifty lakhs fifty-six
thousand Twenty-Five only) (**Excluding GST**) which is 12.05 % below the
estimated cost of Rs 4,83,88,000/- (Excluding GST).

- 2 वरिष्ठ प्रबन्धक (इंजीनियरिंग-सिविल), एएआई, बेंगलोर एयरपोर्ट, बेंगलोर, कार्य के प्रभारी अभियंता प्रभारी होंगे। आपसे अनुरोध है कि आप वरिष्ठ प्रबन्धक , (इंजीनियरिंग-सिविल), एएआई, बेंगलोर एयरपोर्ट, बेंगलोर के कार्यालय में अनुबंध करार पर हस्ताक्षर करने और अनुबंध पूरा करने के लिए 25.10.2023 तक उपस्थित हों। कॉन्ट्रैक्ट एग्रीमेंट को 100/- रुपये के मूल्य के गैर-न्यायिक स्टॉप पेपर पर निष्पादित किया जाएगा (केवल सौ रुपये) और स्टैंप पेपर की लागत आपके द्वारा वहन की जाएगी।

Senior Manager (Engg-Civil), AAI, Bangalore Airport, Bangalore, shall be the Engineer-In-charge of the work. You are requested to attend the office of Senior Manager (Engg-Civil), AAI, Bangalore Airport, Bangalore, by 25.10.2023 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.

3. आपकी निविदा के साथ प्राप्त की गई बयाना राशि रु 9,67,760/- (केवल नौ लाख सड़सठ हजार सात सौ साठ रुपये) की कुल धन राशि को सिक्योरिटी डिपॉजिट के हिस्से के रूप में अनुबंध क्लॉज नंबर -1 ए, पृष्ठ संख्या- GCC-16 के अनुसार परिवर्तित किया जाएगा। इस पत्र के जारी होने की तारीख से 15 दिनों के भीतर सिक्योरिटी डिपॉजिट के संदर्भ में कृपया रु 32,87,843/- (केवल बत्तीस लाख सत्तासी हजार आठ सौ तैंतालीस मात्र रुपये) जमा करें, ऐसे न करने पर जो अनुबंध क्लॉज-1 ए, पेज नंबर जीसीसी -16 की सामान्य शर्तों के अनुसार आपके चल रहे बिलों से घटाया जाएगा।

The Earnest Money Amount of Rs 9,67,760/- (Rupees Nine lakhs sixty-seven thousand seven hundred sixty only) received along with your tender has been converted as part of Security Deposit as per General conditions of Contract Clause No-1A, Page No.GCC-16. Please deposit Rs. 32,87,843/- (Rupees Thirty-two lakhs Eighty-seven thousand Eight hundred and forty-three only) towards security deposit within 15 days from the date of issue of this letter failing which the same will be deducted from your running bills as per General conditions of Contract Clause No-1A, Page No. GCC-16.

- 4 आपसे अनुरोध है कि 1970 के अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम के प्रावधानों और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 बाल श्रम

(निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की स्थिति का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक A-173 कल्याण उपकर अधिनियम 1996 जैसा कि पृष्ठ संख्या 19 पर खंड 19 में निर्दिष्ट है। टेंडर के जीसीसी और केंद्र और राज्य सरकार के नियम।

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 A-173 Welfare Cess Act 1996 as specified in Clause 19 on page no49 of GCC of tender and rules of Central and State Government.

- 5 आपको सहायक प्रबंधक इंजी (सी), एएआई, बेंगलोर हवाईअड्डा से संपर्क करने के लिए भी निर्देशित किया जाता है, जो तुरंत आपको साइट सौंपने की व्यवस्था करेगा।
You are also directed to contact Asst Manager, Engg.(C), AAI, Bangalore Airport immediately who will arrange to hand over the site to you.

- 6 कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 04 (चार) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन से की जाएगी।
Please note that the time allowed for carrying out the work shall be **04 (Four)** months and same shall be reckoned from the 10th day after issue of this letter.

- 7 अनुबंध के संबंध में आगे कोई पत्राचार आम तौर पर प्रभारी अधिकारी (इंजीनियरिंग-सिविल), एएआई, बेंगलोर एयरपोर्ट (एचएएल), बेंगलोर -560017 को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge (Engg-Civil), AAI, Bangalore Airport (HAL), Bangalore-560017.

8 कृपया रसीद स्वीकार करें और स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को हस्ताक्षर करने के बाद इस पत्र की प्रतिलिपि प्रति संलग्न करें।

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.

भवदीय/Yours faithfully,

ई शेषारत्नम (E. Sesharathnam)

वरिष्ठ प्रबन्धक (इंजी सिविल)

Senior Manager (Engg- Civil)

अध्यक्ष, भाविप्रा के लिए एवं उनकी ओर से

For and on behalf Chairman, Airports Authority of India

संलग्नक/Encl : अनुसूची-ए /Schedule-A

ई शेष रत्नम /E Sesharathnam
वरिष्ठ प्रबंधक (इं-सि) /Sr. Manager(Engg-Civil)
भारतीय विमान पतन प्राधिकरण/Airports Authority of India
बैंगलोर हवाई अड्डा/ Bangalore Airport

अनुसूची-ए /Schedule-A

Name of Work:-Construction of new ILS and associated Civil Works at HAL Airport, Bangalore. SH: Civil and Internal Electrical Works						
Contract No: 2023_AAI_163322_1						
Sl.No	Description of Work / Item(s)	Units	No.of Qty	Rate	Amount	In Words
1.00	SH: 1 CIVIL WORKS					
1.01	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 lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	230.00	300.00	69000.00	INR Sixty Nine Thousand Only
1.02	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, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	Cum	12.00	300.00	3600.00	INR Three Thousand Six Hundred Only
1.03	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil :Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metres	400.00	600.00	240000.00	INR Two Lakh Forty Thousand Only
1.04	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth within the operational area.	Sqm	118600.00	120.00	14232000.00	INR One Crore Forty Two Lakh Thirty Two Thousand Only
1.05	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	37.00	6000.00	222000.00	INR Two Lakh Twenty Two Thousand Only

Sl.No	Description of Work / Item(s)	Units	No.of Qty	Rate	Amount	In Words
1.06	Providing and laying in position ready mixed or site batched design mix cement concrete for plain 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 and finishing 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 minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works up to Plinth Level- Concrete of M25 grade with minimum cement content of 300 kg /cum	Cum	103.00	7200.00	741600.00	INR Seven Lakh Forty One Thousand Six Hundred Only
1.07	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. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	Cum	126.00	7200.00	907200.00	INR Nine Lakh Seven Thousand Two Hundred Only
1.08	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	Kg	12564.00	90.00	1130760.00	INR Eleven Lakh Thirty Thousand Seven Hundred & Sixty Only
1.09	Thermo-Mechanically Treated bars of grade Fe-500D or more. Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	Sqm	657.00	600.00	394200.00	INR Three Lakh Ninety Four Thousand Two Hundred Only

Sl.No	Description of Work / Item(s)	Units	No.of Qty	Rate	Amount	In Words
1.10	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	Sqm	75.00	450.00	33750.00	INR Thirty Three Thousand Seven Hundred & Fifty Only
1.11	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.	Kg	1943.00	132.00	256476.00	INR Two Lakh Fifty Six Thousand Four Hundred & Seventy Six Only
1.12	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 50mm 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)60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	Sqm	7388.00	900.00	6649200.00	INR Sixty Six Lakh Forty Nine Thousand Two Hundred Only
1.13	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	Cum	203.00	2400.00	487200.00	INR Four Lakh Eighty Seven Thousand Two Hundred Only
1.14	Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in-charge	Cum	980.00	6000.00	5880000.00	INR Fifty Eight Lakh Eighty Thousand Only
1.15	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	Cum	329.00	6600.00	2171400.00	INR Twenty One Lakh Seventy One Thousand Four Hundred Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.16	Providing and laying Vitrified tiles in floor 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, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.a)Glazed Vitrified tiles Matt/Antiskid finish of size. i)Size of Tile 600 x 600 mm	Sqm	80.00	1200.00	96000.00	INR Ninety Six Thousand Only
1.17	Providing and laying 04 mm continuous guide wire for laying/pulling cables inside GI & HDPE pipes.	Metres	200.00	51.00	10200.00	INR Ten Thousand Two Hundred Only
1.18	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 150 mm dia nominal bore	Metres	500.00	1200.00	600000.00	INR Six Lakh Only
1.19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 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)	Cum	9.00	9000.00	81000.00	INR Eighty One Thousand Only
1.20	Supplying and Installation of Low smoke fire retardent frangible shelter of size 8 m x 5 m and height 3m/3.5 mts made of using GRP PUF based panels of 50 mm thick with 2 mm thick GRP laminates as cladding in single panel construction for walls, roof panels in 02 nos sloping on either side and secondary GRP roof with GRP purlins and sections , partition wall of 40 mm thick panel with 2 mm grp as both side wall cladding including necessary provisions of door of size 900 mmx2000 mm , external painting with PU paint in RED and White Chequered design of size 600 mm x 600 mm pattern including the cost of design of the structure , vetting from the Govt Engineering college and submission of the duly vetted drawing and design calculations, transportation, installation at site etc as per the directions of Engineer-In-Charge	Each	2.00	2400000.00	4800000.00	INR Forty Eight Lakh Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.21	Supplying and Installation of Low smoke fire retardent frangible shelter of size 2 m x 2 m and height 3m/3.5 mts made of using GRP PUF based panels of 50 mm thick with 2 mm thick GRP laminates as cladding in single panel construction for walls, roof panels in 02 nos sloping on either side and secondary GRP roof with GRP purlins and sections, partition wall of 40 mm thick panel with 2 mm grp as both side wall cladding including necessary provisions of door of size 900 mmx2000 mm, external painting with PU paint in RED and White Chequered design of size 600 mm x 600 mm pattern including the cost of design of the structure, vetting from the Govt Engineering college and submission of the duly vetted drawing and design calculations, transportation, installation at site etc as per the directions of Engineer-In-Charge	Each	2.00	600000.00	1200000.00	INR Twelve Lakh Only
1.22	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	2.00	18000.00	36000.00	INR Thirty Six Thousand Only
1.23	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	2.00	12000.00	24000.00	INR Twenty Four Thousand Only
1.24	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	Each	2.00	2100.00	4200.00	INR Four Thousand Two Hundred Only
1.25	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931, 15 mm nominal bore	Each	4.00	3000.00	12000.00	INR Twelve Thousand Only
1.26	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	Each	2.00	1200.00	2400.00	INR Two Thousand Four Hundred Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : 19.27.1 With common burnt clay F.P.S. (non modular) bricks of class designation 5.0	Each	2.00	12000.00	24000.00	INR Twenty Four Thousand Only
1.28	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 5.0	Each	2.00	21000.00	42000.00	INR Forty Two Thousand Only
1.29	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 15 mm nominal dia Pipes	Metre	20.00	300.00	6000.00	INR Six Thousand Only
1.30	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 20 mm nominal dia Pipes	Metre	20.00	600.00	12000.00	INR Twelve Thousand Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.31	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25 mm nominal dia Pipes	Metre	30.00	900.00	27000.00	INR Twenty Seven Thousand Only
1.32	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	Each	2.00	300.00	600.00	INR Six Hundred Only
1.33	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. 19.32.1 With common burnt clay F.P.S. (non modular) bricks of class designation 5.0	Each	2.00	90000.00	180000.00	INR One Lakh Eighty Thousand Only
1.34	Providing and fixing toilet paper holder : C.P. brass	Each	2.00	3000.00	6000.00	INR Six Thousand Only
1.35	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	2.00	6000.00	12000.00	INR Twelve Thousand Only
1.36	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	Each	4.00	3000.00	12000.00	INR Twelve Thousand Only
1.37	Providing and fixing soil, waste and vent pipes : Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905 100 mm diameter	Metre	20.00	600.00	12000.00	INR Twelve Thousand Only
1.38	Providing and fixing soil, waste and vent pipes : 75 mm diameter Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	Metre	20.00	600.00	12000.00	INR Twelve Thousand Only
1.39	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905 100 mm dia	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.40	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905 75 mm dia	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only

Sl.No	Description of Work / Item(s)	Units	No.of Qty	Rate	Amount	In Words
1.41	Providing and fixing plain bend of required degree. 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.42	Providing and fixing plain bend of required degree. 75 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.43	Providing and fixing single equal plain junction of required degree : 100x100x100 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.44	Providing and fixing single equal plain junction of required degree : 75x75x75 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.45	Providing and fixing single unequal plain invert branch of required degree : 100x100x75 mm Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Each	4.00	600.00	2400.00	INR Two Thousand Four Hundred Only
1.46	Demolishing cement concrete manually/ by mechanical means including disposal of material within operational area as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	139.00	720.00	100080.00	INR One Lakh & Eighty Only
1.47	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	Each	15.00	100.00	1500.00	INR One Thousand Five Hundred Only
1.48	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within operational area as per direction of Engineer-in-charge.	Cum	73.00	600.00	43800.00	INR Forty Three Thousand Eight Hundred Only
1.49	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within operational area as per direction of Engineer - in- charge.	Cum	33.00	900.00	29700.00	INR Twenty Nine Thousand Seven Hundred Only
1.50	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within operational area as per direction of Engineer - in- charge : In cement mortar	Cum	35.00	900.00	31500.00	INR Thirty One Thousand Five Hundred Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.51	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats	Kg	428.00	21.00	8988.00	INR Eight Thousand Nine Hundred & Eighty Eight Only
1.52	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	3.00	300.00	900.00	INR Nine Hundred Only
1.53	Credit Items for (taking away by the contactor the dismantled Materials and disposal beyond initial lead of 50 mts and outside AAI premises. a) Dismantled Bricks	Nos	10819.00	1.00	-10819.00	INR Minus Ten Thousand Eight Hundred & Nineteen Only
1.54	Credit Items for (taking away by the contactor the dismantled Materials and disposal beyond initial lead of 50 mts and outside AAI premises. b) dismantled Doors & windows	Each	15.00	10.00	-150.00	INR Minus One Hundred & Fifty Only
1.55	Credit Items for (taking away by the contactor the dismantled Materials and disposal beyond initial lead of 50 mts and outside AAI premises. Dismantled Stones	Cum	35.00	10.00	-350.00	INR Minus Three Hundred & Fifty Only
1.56	Credit Items for (taking away by the contactor the dismantled Materials and disposal beyond initial lead of 50 mts and outside AAI premises. Structural Steel work	Kg	428.00	10.00	-4280.00	INR Minus Four Thousand Two Hundred & Eighty Only
1.57	Credit Items for (taking away by the contactor the dismantled Materials and disposal beyond initial lead of 50 mts and outside AAI premises. Aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling	Sqm	3.00	10.00	-30.00	INR Minus Thirty Only
1.58	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level. All types of soil 300 mm dia	Metre	150.00	1800.00	270000.00	INR Two Lakh Seventy Thousand Only
1.59	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. 200 mm nominal size dia	Metre	20.00	2000.00	40000.00	INR Forty Thousand Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
1.60	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge 200 mm nominal size dia	Metre	6.00	2000.00	12000.00	INR Twelve Thousand Only
1.61	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 200 mm dia	Each	1.00	20000.00	20000.00	INR Twenty Thousand Only
1.62	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. 200 mm clamp	Each	1.00	20000.00	20000.00	INR Twenty Thousand Only
2.00	INTERNAL ELECTRIFICATION WORKS					INR Thirty Six Thousand Only
2.01	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.	Each	30.00	1200.00	36000.00	INR Eighteen Thousand Only
2.02	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 PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each	15.00	1200.00	18000.00	
2.03	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
2.03	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	165.00	400.00	66000.00	INR Sixty Six Thousand Only
2.03	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	330.00	700.00	231000.00	INR Two Lakh Thirty One Thousand Only
2.03	2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Meter	50.00	1400.00	70000.00	INR Seventy Thousand Only
2.04	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	2.00	600.00	1200.00	INR One Thousand Two Hundred Only
2.05	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	10.00	100.00	1000.00	INR One Thousand Only
2.06	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 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	20.00	1000.00	20000.00	INR Twenty Thousand Only

Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
2.07	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 6 pin 5/6 & 15/16 amps modular socket outlet and 2 nos. of 15/16 amps modular switches, connection etc. as required.	Each	30.00	600.00	18000.00	INR Eighteen Thousand Only
2.08	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)					
2.08	18 way (2+16), double door	Each	2.00	21000.00	42000.00	INR Forty Two Thousand Only
2.09	Supplying and fixing of following ways surface/ recess mounting, horizontal type, 415 V, TPN MCB PPI distribution board of sheet steel, dust protected, duly powder painted, inclusive of tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required.					
2.09	6 way (8+6+18), double door	Each	2.00	30000.00	60000.00	INR Sixty Thousand Only
2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.10	Single Pole	Each	68.00	300.00	20400.00	INR Twenty Thousand Four Hundred Only
2.11	Supplying and fixing following, 240/415 V, MCB/RCCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.11	32A DP RCBO, 6/10KA breaking capacity, 100mA sensitivity	Each	6.00	2700.00	16200.00	INR Sixteen Thousand Two Hundred Only
2.11	63A DP MCB 10KA breaking capacity, C curve	Each	2.00	1800.00	3600.00	INR Three Thousand Six Hundred Only
2.11	63A TPN MCB 10KA breaking capacity, C curve	Each	2.00	2100.00	4200.00	INR Four Thousand Two Hundred Only
2.12	Supply of wall mounted LED batten type luminaries having minimum output of 2000 lumens with Five (5) year manufacturer warranty (for complete assembly) complete with electronic driver, made out of powder coated CRCA/ Aluminium housing with opal/ acrylic diffuser suitable to operate on 230V, 50Hz single phase AC supply etc, complete as per specifications	Each	35.00	6000.00	210000.00	INR Two Lakh Ten Thousand Only
2.13	Supply and fixing of Rechargeable type Emergency light fitting complete suitable for mounting on wall (Make : Bajaj ELX 16 or equivalent)	Each	6.00	12000.00	72000.00	INR Seventy Two Thousand Only

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Sl.No	Description of Work / Item(s)	Units	No. of Qty	Rate	Amount	In Words
2.14	Supply of outdoor type LED street light fixture having lumen output not less than 7700 lumens with Five (5) year manufacturer warranty (for complete assembly), pressure die cast extruded aluminium/aluminium alloy housing, heat sink with general spread optics, IP-65 or higher, including accessories such as LED of approved make, electronic gear/driver with surge voltage, etc suitable for operation on 230V, 50Hz single phase AC supply etc, complete as per specifications	Each	10.00	21000.00	210000.00	INR Two Lakh Ten Thousand Only
2.15	Installation, testing and commissioning of batten type LED luminaire directly on the wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required as per site requirement.	Each	35.00	3000.00	105000.00	INR One Lakh Five Thousand Only
2.16	Installation, testing and commissioning of LED street light fixture including supplying and fixing of 32mm dia X 1.20 metre long G.I. pipe (medium class) bracket for mounting of LED street light fitting on pole/wall including bending the pipe to the required shape, accessories such as clamps with nuts, bolts and washer, painting with primer and finish paint etc. as required.	Each	10.00	10000.00	100000.00	INR One Lakh Only
2.17	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor with 3 nos. blades, down rod, copper winding etc, Power Factor not less than 0.9, Air delivery minimum 215 CMM, THD less than 10%, and all remaining accessories including safety pin, nut bolts, washers etc suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	2.00	9000.00	18000.00	INR Eighteen Thousand Only
2.18	Supply of 300mm sweep, 900 rpm heavy duty exhaust fan suitable for 230 volts, 50hz, single phase A.C supply complete with all accessories including louvers etc as required.	Each	2.00	9000.00	18000.00	INR Eighteen Thousand Only
2.19	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450mm Sweep	Each	2.00	3000.00	6000.00	INR Six Thousand Only
	Total in Figures and Words				42556025.00	INR Four Crore Twenty Five Lakh Fifty Six Thousand And Twenty Five Only

ई शेषारत्नम् (E. Sessa Ratnam)

वरिष्ठ प्रबन्धक (इंजी सिविल)

Senior Manager (Engg- Civil)

II, Bangalore Airport

Signature Not Verified

Digitally signed by EMANI SETHA RATNAM

Date: 2024.03.21 15:28:53 IST

Location: eProcurement System for Central PSUs

भारतीय विमान पतन प्राधिकरण (इ-सि)/Sr. Manager (Engg-Civil)
बेंगलूर हवाई अड्डा/Bangalore Airport