



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

By Speed Post/Hand

संख्या : भा.वि.प्रा./जोधपुर/अभि.-सि./एस.एच.ए/2023-24/ 378

दिनांक : 12/05/2023

Ref: AAI/Jodhpur/ENGG (C)/S.H.A /2023-24/

Date : 12/05/2023

सेवा में,

To,

✓ मैसर्स स्वामी कॉन्ट्रैक्टरस् प्रा.लि.

M/S. Swami Contractors Pvt Ltd.

स्वामी भवन, 990- ए,

Swami Bhawan, 990 - A,

स्वामी चौक, शाहबाद मौहम्मद पुर,

Swami Chowk, Shahabad Mohd. Pur

नई दिल्ली - 110061

New Delhi - 110061

विषय : सिविल एन्क्लेव जोधपुर में टर्मिनल बिल्डिंग में भीड़भाड़ को कम करने के लिए SHA का विस्तार कार्य।

Sub:- Expansion of SHA to easeout congestion in Terminal Building at civil enclave Jodhpur

संदर्भ:- आपकी निविदा (Tender ID :- 2023_AAI_148187_1) वित्तीय बिड दिनांक 04/05/2023 को खोली गयी

Ref:- Your e-bid invitation no. (Tender ID :- 2023_AAI_148187_1) financial bid opened on dtd. 04/05/2023

महोदय,

Sir,

- 1) उपरोक्त उल्लेखित कार्य के लिए आपका ई-टेंडर आपके द्वारा बताए गये मद मूल्यों पर आपकी राशि कुल रु 60,60,751 /- (दर जीएसटी के बिना) (रुपये साठ लाख साठ हजार सौत सो ईक्यावन मात्र) है जो कि अनुमानित लागत रु 86,87,000 /- जो टेन्डर में दी गई राशि से 30.23 प्रतिशत नीचे है, अध्यक्ष भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rate quoted by you totaling to **Rs. 60,60,751 /- (Rates excluding of GST) (Rs. Sixty Lakh Sixty Thousand Seven hundred and Fifty One only)** which is **30.23 % below** the Estimated cost put to tender of **Rs. 86,87,000 /-**

- 2) संयुक्त महाप्रबंधक (अभियान्त्रिकी-सिविल) भारतीय विमानपत्तन प्राधिकरण, जोधपुर हवाई अड्डा, जोधपुर इस कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है आप अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करे जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 27/05/2023 तक संयुक्त महाप्रबंधक (अभियान्त्रिकी-सिविल), भारतीय विमानपत्तन प्राधिकरण, जोधपुर हवाईअड्डा, जोधपुर के कार्यालय में उपस्थित हो

विमानपत्तन निदेशक कार्यालय, सिविल एन्क्लेव, जोधपुर-342011, दूरभाष: 0291-2595201 ; ई-मेल : apcvijo@aai.aero

O/o Airport Director, Civil Enclave, Jodhpur - 342011, Ph : 0291-2595201 ; E-mail : apcvijo@aai.aero

"हिन्दी पत्रों का स्वागत है।"


12/05/23
Aam (ER)



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

तथा करारनामे को पूरा करें। ठेके का करारनामा 500/- रु के नोन ज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा जिसका खर्चा आपके द्वारा उठाया जाएगा।

Jt. General Manager (Engg-Civil) Airports Authority of India, Civil Enclave, Jodhpur will be Engineer-in-Charge of the work. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf & present in the office of the Jt. General Manager (Engg-Civil), Airports Authority of India, Civil Enclave, Jodhpur to sign & complete the agreement on or before **27/05/2023**. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 500/- and the cost of the stamp paper shall be borne by you.

- 3) कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर प्रतिभूति राशि रु. 6,06,075/- (रु. छह: लाख छह: हजार पित्चतर मात्र) जमा कर दें, अन्यथा ठेके के करारनामे में शर्त के अनुसार इतनी ही राशि आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 6,06,075/- (Rs. Six Lakhs Six Thousand Seventy Five only) towards Security deposit within 10 days from the date of issue of this letter, failing which, the same shall be deducted from your running bill as per conditions of the contract document.

- 4) आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबन्ध श्रम नियम 1971 के केन्द्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।

You are requested to comply with the Provision of Contract labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 & minimum Wages Act & Rules there of Central & State Governments.

- 5) आपसे अनुरोध है कि COVID-19 महामारी के रोकथाम के लिए भारत सरकार के मंत्रालयों/विभागों, राज्य/केन्द्र शासित प्रदेश सरकारों और राज्य/संघ शासित क्षेत्र प्राधिकरणों द्वारा किए जाने वाले उपायों पर दिशानिर्देशों का अनुपालन करें।

You are requested to comply with the guidelines on the measures to be taken by Ministries/Department of Government of India, State/Union Territory

विमानपत्तन निदेशक कार्यालय, सिविल एन्क्लेव, जोधपुर-342011, दूरभाष: 0291-2595201 ; ई-मेल : apcvijo@aai.aero

O/o Airport Director, Civil Enclave, Jodhpur – 342011, Ph : 0291-2595201 ; E-mail : apcvijo@aai.aero

“हिन्दी पत्रों का स्वागत है।”

 12/05/23



Government and State/Union Territory Authorities for containment of COVID-19 Epidemic.

- 6) श्रम लाइसेंस के उपबंधों के अनुसार प्राप्त ठेका श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 सहित विभिन्न श्रम कानूनों के अन्तर्गत सभी आवश्यक प्राधिकारियों/अनुमतियों संबंधित प्राधिकारियों से प्राप्त करने एवं मानने का सम्पूर्ण दायित्व ठेकेदार का होगा।

It shall be the sole liability of the contractor to obtain and to abide by all necessary licenses/permissions from the authorities concerned as provided under the various labour legislations including the labour license obtained as per the provisions of the Contract Labour (Regulation & Abolition) Act, 1970.

- 7) ठेकेदार नियमित तथा प्रभावी पर्यवेक्षण को सुनिश्चित करेगा और उनके द्वारा तैनात किये गये कार्मिक पर नियंत्रण एवं ठेके के दायित्वों को पूरा करने के लिए उपयुक्त निर्देश देगा।

The contractor shall ensure regular and effective supervision and control of the personnel deployed by him and gives suitable direction for undertaking the contractual obligations.

- 8) आपको निर्देश दिया जाता है कि सहायक महाप्रबंधक (अभियान्त्रिकी-सिविल) भारतीय विमानपत्तन प्राधिकरण, जोधपुर हवाई अड्डा, जोधपुर से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे। कृपया नोट कर ले कि काम करने का निर्धारित समय बारह (12) माह है जो कि इस पत्र के जारी होने की तिथि से 10 दिन बाद से प्रभावी होगा या साइट सौंपने की तिथि से प्रभावी होगा।

You are directed to contact Assistant General Manager Engg. (Civil), Airports Authority of India, Civil Enclave, Jodhpur immediately, who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **Twelve (12) Months and from 10th day after issue of this letter or from the date of handover of site.**

- 9) इस ठेके के संबंध में आगे का कोई भी पत्राचार संयुक्त महाप्रबंधक (अभियान्त्रिकी सिविल), भारतीय विमानपत्तन प्राधिकरण, जोधपुर हवाई अड्डा, जोधपुर के पते पर किया जाए।

12/05/23



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Any further correspondence in connection with this contract should normally be addressed to Jt. General Manager Engg.(Civil), Airports Authority of India, Civil Enclave, Jodhpur.

- 10) कृपया पावती भेजें।
Please acknowledge the receipts.

नोट :-हिंदी तथा अंग्रेजी संस्करण में अंतर पाए जाने पर अंग्रेजी संस्करण मान्य होगा।

Note :- If there any discrepancy is observed in Hindi and English version, the English version will be considered.

संलग्न- यथोपरि

भवदीय / Yours Faithfully

(मंगल मीना)/(Mangal Meena)

सहायक महाप्रबंधक (अभि-सिविल) / Asstt.General Manger (E-C)
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India
सिविल एन्क्लेव जोधपुर / Civil Enclave Jodhpur

SCHEDULE OF QUANTITY
Name of work:- Expansion of SHA to easeout congestion in Terminal Building at Civil Enclave Jodhpur.

S. No.	Description of items	Unit	Qty	Rate	Amount
1	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	cum	5.00	5093.00	25465.00
2	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	40.00	388.00	15520.00
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	625.00	57.00	35625.00
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	230.00	1080.00	248400.00
5	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	cum	440.00	29.00	12760.00
6	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum	2.00	788.00	1576.00
7	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	sqm	290.00	39.00	11310.00
8	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.	cum	7.00	1482.00	10374.00
9	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	each	12.00	192.00	2304.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)	cum	23.00	4349.00	100027.00
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	5.00	4239.00	21195.00
12	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 : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	90.00	5276.00	474840.00
13	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	sqm	440.00	206.00	90640.00
14	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	sqm	450.00	179.00	80550.00
15	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.	sqm	890.00	79.00	70310.00
16	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	1844.00	74.00	136456.00
17	Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	sqm	146.00	155.00	22630.00
18	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	sqm	192.00	192.00	36864.00

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S. No.	Description of items	Unit	Qty	Rate	Amount
19	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge GI Metal Ceiling Lay in plain Tegalur edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop, made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	sqm	358.00	1012.00	362296.00
20	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 100X58X1.90 mm	each	108.00	55.00	5940.00
21	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 : 250x16 mm	each	23.00	148.00	3404.00
22	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 : 250x10 mm	each	29.00	66.00	1914.00
23	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment), all	kg	112.00	356.00	39872.00
24	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	each	4.00	1558.00	6232.00
25	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.	each	42.00	38.00	1596.00
26	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. Twin rubber stopper	each	23.00	40.00	920.00


 12/05/23
 A.M. (E-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
27	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitted and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	3187.00	296.00	943352.00
28	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitted and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	382.00	359.00	137138.00
29	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade 1 Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	sqm	492.00	605.00	297660.00
30	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer-in-charge.	each	21.00	458.00	9618.00
31	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	3000.00	60.00	180000.00
32	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III); 4 graded stone aggregate 12.5mm nominal size)	sqm	20.00	236.00	4720.00
33	Providing & applying a coat of residual petroleum bitumen of grade VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	sqm	16.00	72.00	1152.00
34	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	1083.00	50.00	54150.00
35	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.	cum	9.00	182.00	1638.00
36	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	4.00	1375.00	5500.00
37	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) : 8 graded stone aggregate 40 mm nominal size)	cum	4.00	4027.00	16108.00
38	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	85.00	84.00	7140.00

 12/05/23
 AMM(E-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
39	Providing and fixing precast galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 2277, 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 (5.5x 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.	sqm	132.00	427.00	56364.00
40	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	sqm	24.00	55.00	1320.00
41	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab over 0.50 sqm	sqm	3.00	2978.00	8934.00
42	Providing and laying Vitrified tiles in floor with 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 with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 800x800 mm	sqm	16.00	874.00	13984.00
43	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 800x800 mm	sqm	63.00	1275.00	80325.00
44	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. 15 mm nominal outer dia Pipes	mt	30.00	162.00	4860.00
45	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. 20 mm nominal outer dia Pipes	mt	25.00	206.00	5150.00
46	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	7.00	239.00	1673.00
47	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Kln seasoned and chemically treated hollow wood	cum	1.00	47235.00	47235.00
48	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part 1) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	15.00	1965.00	29475.00

 12/05/23
 ALM (E-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
49	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	sqm	15.00	255.00	3825.00
50	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	mitr	35.00	204.00	7140.00
51	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Bend 87.5° 110 mm bend	each	20.00	85.00	1700.00
52	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510 mm bowl depth 200 mm	each	2.00	2720.00	5440.00
53	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved	cum	53.00	140.00	7420.00
54	Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks. Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each with zinc coating of 120 gms/sqm(both side inclusive)) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of engineer in charge all complete. 75 mm overall thickness partition with 12.5 mm thick double skin fire rated Glass Reinforced Gypsum (GRG) plaster board conforming to IS : 2095 (part 3) : 1996 (Board with BIS certification marks)	sqm	2.00	1144.00	2288.00
55	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	63.00	90.00	5670.00
56	Providing and fixing expansion hold fasteners on C.C. / R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete. Wedge expansion type Fastener with threaded dia 6 mm	each	64.00	20.00	1280.00
57	Half brick masonry 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. Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	24.00	648.00	15552.00
58	Chequered terrazzo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Light shade pigment using white cement	sqm	9.00	825.00	7425.00
59	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. 125 mm	each	14.00	64.00	896.00
60	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	31.00	544.00	16864.00

12/05/23
Akm (E-2)

S. No.	Description of Items	Unit	Qty	Rate	Amount
61	Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS-14587:1998 marked with one side decorative and other side balancing lamination for cupboard shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS-3818 marked with necessary screw etc all complete.	sqm	5.00	1068.00	5340.00
62	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	mtr	162.00	55.00	8910.00
63	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	2.00	898.00	1796.00
64	Providing and fixing of matt finish stainless steel grade 304, sliding door bolts of KICCH make or equivalent with nuts and screws etc complete as per the direction of Engineer-in-charge. (a) 300 mm x16 mm size	each	7.00	130.00	910.00
65	Providing and fixing of matt finish stainless steel grade 304, tower bolt of KICCH make or equivalent with nuts and screws etc. complete as per the direction of Engineer-in-charge.(a) 250x10 mm	each	7.00	160.00	1120.00
66	Providing and fixing of matt finish stainless steel grade 304, Mortice Lock & Lever Handle of KICCH (Mortice Lock model no PRMLB9S, Lever handle model no PRLH1914S) make or equivalent with nuts and screws etc. complete as per the direction of Engineer-in-charge.(a) Lock 50X85 mm & Handle 20x6 mm	each	2.00	332.00	664.00
67	Providing and laying 18 to 20mm thick gang saw cut mirror finished superior granite stone flooring, paving, coping etc or similar location machine cut in size of 800x800 mm, approved shade, colour and texture laid over 15 mm (average) thick correction layer base of cement mortar 1:4 (1 cement: 4 coarse sand) followed by a layer of 6 mm thick high polymer modified quick set adhesive of make FOSROCC/Pidilite/ Balendra /Fertuscrete / Laticrete or equivalent and jointed with white cement slurry mixed with matching pigment, including rubbing and curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels. The process includes cost of granite stone (cutting, wastage, Pre-polishing, laying with mortar, drying, adhesive, fixing etc. complete) (a) Ivory Fantasy Note : Approved granite stone sample is available in the office of AGM(E-C),AAI,Indrapur	sqm	269.00	2673.00	719037.00
68	Extra for providing and applying minimum two coats of Stone/Ferrocure/MYKLaticrete/STP Sealer or approved equivalent on the back surface and sides (Raw Surface) of the Granite/Marble with a brush or roller to act as a barrier coat against stains, discoloration and efflorescence including cleaning the surface with brush or roller, mopping with moist cloth and allowing it to dry before application all complete as per direction of Engineer-in-charge. Note 1 :- The contractor should give the guarantee bond of treatment for minimum 3 years. Note 2 : Granite/Marble stone flooring shall be paid for separately under respective item.	Sqm	296.00	318.00	94128.00
69	Extra for providing and applying minimum two coats of Stone/Ferrocure/MYKLaticrete/STP Impregnator sealer or approved equivalent with a brush / roller on the top surface (polished surface) of the Granite/marble to act as a barrier coat against stains, soiling, discoloration and efflorescence including cleaning the surface with brush or roller, mopping with moist cloth and allowing it to dry before application all complete as per direction of Engineer-in-charge. Note 1 :- The contractor should give the guarantee bond of treatment for minimum 3 years. Note 2 : Granite/Marble stone flooring shall be paid for separately under respective item.	Sqm	269.00	318.00	85542.00
70	Providing and fixing white vitreous Pedestal water closet (European type) of Hindware Cat No. 20092 or equivalent with seat and lid 10 ltr capacity lid, white PVC automatic flushing cistern of Hindware of size 476x15.5x32.5 cm or approved equivalent & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, over flow 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 :	each	2.00	6009.00	12018.00


12/05/23
A.M. (E-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
71	Providing and fixing white vitrious china flat back wall urinal of 375x390x590 mm sizes Hardware Cat No. 60002 with white PVC automatic flushing cistern of size 47.6x15.5x32.5 cm or approved equivalent with fittings standard size C.P. brass flush pipe, spreaders, coupling with unions and clamps (all in C.P. brass) complete, including painting of fittings cutting and making good the walls and floors wherever required	each	2.00	2228.00	4456.00
72	Providing and fixing oval shape white vitrious china wash basin (Hardware make Cat No. 10052 colour - White with C.I. brackets, Jaquar Arc Joystick Basin Mixer - Chrome Cat no. 81001 or approved equivalent), over/under mounting with 32mm dia CP brass waste (Jaquar make Cat 705 or approved equivalent) of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require;	each	2.00	2610.00	5220.00
73	Providing and fixing C.P Brass bottle trap of JAQUAR (Model No. ALD-769B) or equivalent approved make and size for wash basin/ urinals basins as per the direction of Engineer-in-charge	each	6.00	1273.00	7638.00
74	Providing and fixing SS connection pipe with CP brass unions of JAQUAR (Model No. ALD- 801B) or equivalent approved make : (a) 60 cm length (i) 15 mm nominal bore	each	14.00	176.00	2464.00
75	Providing and fixing 15mm C.P. brass angle valve (Jaquar Cat No. 5053 N or approved equivalent make) including cutting and making good the walls wherever required complete to the satisfaction of Engineer in charge.(Note. Payment for s.s. connection pipe should be considered separately.)	each	14.00	713.00	9982.00
76	Providing and fixing S.S liquid soap container with metallic bottle of Jaquar Cat No. ACN 1135 N or approved equivalent make) or equivalent approved quality including cutting and making good the walls wherever required complete as directed by Engineer-in-Charge.	each	2.00	700.00	1400.00
77	Providing and fixing C.P Brass Health faucet of JAQUAR (Mdel No.ALD-573)or Equivalent of approved Make and size including connection pipe and Holder & dismantling the old one all complete.	each	2.00	1011.00	2022.00
78	Providing and fixing toilet paper holder of jaguar(Model no AHS-1553) or equivalent as per direction of the Engineer- in Charge.	each	2.00	891.00	1782.00
79	Providing and fixing S.S. grating 100 mm square with frame of Nirali (Model no MINI) or equivalent including setting in floor wherever required complete as directed by Engineer-in-Charge.	each	6.00	573.00	3438.00
80	Providing and fixing C.P. brass bib taps long body (Jaquar Cat No. 107 KN)or approved equivalent make including cutting and making good the walls wherever required complete as directed by Engineer-in-charge	each	4.00	935.00	3740.00
81	Providing and fixing C.P. Brass Towel rail 600 mm long (Jaquar make model No. 1101 S or approved equivalent) with PVC cleats and S.S. screws including cutting and making good the walls wherever required complete as directed by Engineer-in-Charge.	each	2.00	682.00	1364.00
82	Providing and fixing Toilet cubical of Greenlam , Century, Mikasa (standard height of cubicle is 2025mm with 600mm door size width) made up of thermosetting resin treated high pressure self supporting decorative compact laminates with permanently incorporate anti Viral(ISO21702:2019), anti-Fungal(ASTN-G21-2015) & anti-bacterial agents(under JIS Z2801:2000 certification) during manufacturing. Compact board should be resistance to water immersion through permissible increase on thickness and mass <0.60% and board density >1.35kg/cm3 and fulfilled the criteria of green guard gold certification and manufactured under EN438-2&3-2005 standard. 12mm thick compact board should be Moisture resistant, Impact resistant, termite resistant, Scratch resistant, Weather and climatic shock resistant. Finish of compact laminates should be suede finish which includes door, pilasters and intermediate panels finished with approved texture/shades as per IS2046 and fulfilled the criteria of fire retardant under BS-476/97 and EN438-6 with classification of BS1D0 standard. Plaster to be supported with SS(grade316) adjustable foot and intermediate panels will attached to the wall with the help of approved SS(grade316) channels and all required hardware, made up of stainless steel as per manufacturer's specification. Door knob, gravity hinges,Thumb turn locksets with occupancy indicators ,coat hooks with door stopper , U channel, top rail with corner connector, adjustable foot/pedestal,Rubber noise deafening tape, screw & wall plugs should be approved under the instruction of Engineer-in-charge. The top fitting should consist of SS round top rail which will get fixed with pilaster, with SS panel tube holder. SS corner bend (connected with top rail) will be use in corner of cubical in absence of brick wall, SS wall fixing is used only on the wall which will hold the SS top rail. All screw will of 304 grade in SS with stain finish. All pilasters are supported by SS bottom cladding. The base of the stainless steel bottom cladding will be anchored to the floor with a clearance height upto 150 mm.Finish and colour of Toilet cubical should be approved under guidance of engineer-in-charge. All aspect specified by the manufacturers. Greenlam sturdo Classique Evergreen model or equivalent. -Toilet cubical with standard dimension of 2025mm(H)x1000mm(W)x1500mm(Depth), which includes 600mm door size width or as per drawing.	each	2.00	22281.00	44562.00

(Signature) 12-05-23
Amm (E-C)

S. No.	Description of Items	Unit	Qty	Rate	Amount
83	Providing and fixing 3mm thick aluminium composite panel consisting of 2.4 mm thick polythene core sandwiched between 0.3 mm thick aluminium sheets with surface finish in PVDF (Fluro carbon) laquer coating of approved colour shaped to approved profile on the wooden/ aluminium members with nail screws/pasting & finish edges all complete as per satisfaction of Engineer-in-Charge.	Sqm	66.00	1592.00	105072.00
84	Engineering consultancy services for expansion of SHA to easeout congestion in Terminal Building at Civil Enclave Jodhpur. The scope of work includes feasibility study of old & New TB by site visit, planning, designing & detailing structural design for civil part works (i.e opening in load bearing wall - lintels/slabs opening in framed structure - columns lintel/slab, new load bearing wall sections, new load bearing wall sections over existing plinth beam etc). The structural drawings and designs shall have to get vetted from government engineering college. Note:- i) Consultant has to provide engineering consultancy for proposed Expansion of SHA of civil part. ii) The cost as incurred towards vetting of the structural drawings and designs is included in this item hence no extra payment shall be made in this regard.	each	1.00	25460.00	25460.00
85	Deduct for taking away of Aluminium fittings i.e. Aluminium Section, Aluminium Door Stopper, Door Closer etc. and other Aluminium fittings / items received from dismantling. The material so received shall be the property of contractor after dismantling duly weighed/ measured before removing from the site in the presence of Engineer-in-charge or his authorized representative all complete.	kg	1952.00	32.00	62464.00
86	Deduct for taking away of Wooden/plywood frames and/or shutters for Doors/windows/ clerestory windows, trusses, battens, particle board, glazed, wired, paneled etc. and the like received from dismantling. The material so received shall be the property of contractor after dismantling duly weighed/ measured before removing from the site in the presence of Engineer-in-charge or his authorized representative all complete.	kg	544.00	2.00	1088.00
87.00	Supply of 4 TR nominal capacity Cassette type Split Air conditioner with cooling function and fitted with hermetically sealed scroll compressor, operating on refrigerant R-32 / R-410 Non CFC suitable for ceiling mounted, operation on 415 V, 50 Hz three phase AC supply complete with indoor, outdoor units, cordless remote and other accessories as per OEM standard complete as required Make Hitachi, (Model No:- RAG048HYDA3) or equivalent.	Each	1.00	75118.00	75118.00
88.00	Dismantling / shifting / Re-installation / Testing and Commissioning of 3.0 TR Tower type Air conditioners suitable for operation on 415V, 50Hz, A. C. Supply on Floor i/c gas charging, associated Civil Works and making all arrangement for successful TTC of AC Units etc. However additional copper pipe shall be extra complete as required.	Job	7.00	6366.00	44562.00
89.00	Dismantling / shifting / Re-installation / Testing and Commissioning of 1.5 / 2.0 / Split type air conditioners suitable for operation on 230V, 50Hz, A. C. Supply on wall, i/c gas charging, associated Civil Works and making all arrangement for successful TTC of AC Units etc. However additional copper pipe shall be extra complete as required.	Job	4.00	3183.00	12732.00
90.00	Installation of 4 TR nominal capacity cassette type Split Air conditioner including hanging of indoor unit from ceiling as per manufacturer recommendations, installation of outdoor unit, connection of suction and return pipes, drain pipes, electrical connections of indoor and outdoor units, first refill of gas, testing & commissioning, including cutting of false ceiling and making support and fixing of false ceiling on supporting members etc. complete as required.	Job	1.00	6366.00	6366.00
91.00	Providing and fixing of copper refrigerant suction & liquid piping set for 4 TR cassette AC including insulation, supports, clamps, fittings, connections, sleeves, insulation etc. in addition to standard length supplied with AC unit complete as required as per site conditions.	metre	15.00	3183.00	47745.00
92.00	Providing and fixing of copper refrigerant suction & liquid piping set for 3.0 TR Tower type air conditioners including insulation, supports, clamps, fittings, connections, sleeves, insulation etc. in addition to standard length supplied with AC unit complete as required as per site conditions.	metre	75.00	2865.00	214875.00
93.00	Providing and fixing of copper refrigerant suction & liquid piping set for 1.5/2 TR Split AC including insulation, supports, clamps, fittings, connections, sleeves, insulation etc. in addition to standard length supplied with AC unit complete as required as per site conditions.	metre	60.00	2674.00	160440.00

Approved 12/05/23
Anm (E-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
94.00	Providing & fixing of 25 mm medium mechanical stress, FRLS, CPVC Drain piping from indoor to nearest drain complete with fittings, supports etc. complete as required as per site conditions.	metre	150.00	160.00	24000.00
95.00	Supply and fixing of angle iron stand dully powder coated suitable for 4 ton cassette type AC outdoor unit complete as required.	Each	1.00	3183.00	3183.00
96.00	Supply and fixing 3 C x 2.5 Sq. mm PVC insulated, PVC sheathed unarmoured multi stranded copper cable to connect indoor and outdoor units of 1.5 TR & 2 TR AC units extra after standard length of 10 ft. complete as required as per site conditions.	metre	100.00	70.00	7000.00
97.00	Supply and fixing 5 C x 2.5 Sq. mm PVC insulated, PVC sheathed unarmoured multi stranded copper cable to connect indoor and outdoor units of 4TR, 3 phase AC unit complete as required as per site conditions.	metre	50.00	85.00	4250.00
98.00	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	4.00	1592.00	6368.00
99.00	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and Complete with connections, testing and commissioning etc. as required.	Each	8.00	2228.00	17824.00
100.00	Installation, Testing, Commissioning & Re-programming accordingly of Microprocessor based 02 loop intelligent analogue Addressable Type UL/EN listed Fire Alarm Control Panel, with LCD display. The panel is equipped with sufficient number of loops with loop capacity to take 125+125 intelligent addressable detectors/ devices in one loop for connecting smoke detectors, manual call points, Hooters etc suitable for operation on 230 Volts, 50 Hz AC power supply, LCD Unit to indicate fire and normal operation & power supply status, push button for accept and Reset, maintenance free batteries with minimum 30 minute backup on alarm mode & 24 Hours on normal operation mode with automatic battery charger etc., programmable relays for AHU / power tripping, operation of Fire Hooter, shall be complete as required. Panel also have necessary provision for connecting and functioning with auto dialler, Existing PA system etc as required.	Each	1.00	3183.00	3183.00
101.00	Installation, testing and commissioning of UL/EN listed intelligent analogue addressable type multi criteria (photo+heat) detector having minimum photo electric and thermal detection with built-in LED flasher with standard mounting base including accessories like base, base box etc to install under/above ceiling without isolator base complete as required as per technical specifications.	Each	10.00	127.00	1270.00
102.00	Installation, testing and commissioning of UL/EN listed Hooter cum Sirobe with control module interconnecting to loop cable complete as required. The strobes shall be synchronized for better evacuation as per specification complete as required.	Each	5.00	127.00	635.00
103.00	Installation, testing and commissioning of UL/EN listed Addressable type Manual Call Point (break glass type) complete with Input Module, push button, enclosed in box with provision for cable or conduit coupling, self-adhesive sticker indicating loop number and address. The unit to be painted fire red outside, white inside and written 'In case of fire break glass.	Each	5.00	127.00	635.00
104.00	Installation, testing & commissioning of Response Indicator (METAL CLADE) which consists of steady glowing LED. This LED shall be mounted within a M.S. box and connected in parallel to the built in indicator of the detector as per specifications. The RI shall come "ON" as soon as the detector activates complete in all respects as per specification.	Each	5.00	64.00	320.00
105.00	Installation, testing and commissioning of auto dialler with all necessary accessories including connections, modules if any required for integrating with Addressable Fire Alarm Panels etc complete as required.	Each	1.00	1909.00	1909.00
106.00	Installation, testing and commissioning of maintained LED slim Exit / Egress Lights with 4 hrs Backup, Ni-Mh/Ni-Cd Rechargeable Battery, Constant Current Charger, Confirms to IS: 9583-1981, Aluminium Housing Body suitable for working on 230V, single phase, 50 Hz AC supply.	Each	2.00	127.00	254.00
107.00	Supply and drawing of 2c x 1.5 Sq.mm FRLS XLPE insulated PVC sheathed, stranded copper conductor armoured cable 1100 Volts grade as per IS 7098(part 1)1988, amended upto date complete as required. in the existing surface/ recessed steel/ PVC conduit /RCC /Hume /Metal pipe etc. complete as required.	metre	200.00	96.00	19200.00

12/05/23
Ann (G-C)

S. No.	Description of items	Unit	Qty	Rate	Amount
108.00	Dismantling and removing of the Smoke Detector, Manual Call Point, Response Indicator, Hooter system, Fire hose pipe box from the site with all care so that it can be re-used and submitting to AAI store, completed as required as per site conditions.	Each	27.00	64.00	1728.00
109.00	Dismantling and removing of the Microprocessor based 02 loop intelligent analogue Addressable Type Fire Alarm Control Panel from the site with all care so that it can be re-used, and submitting to AAI store, completed as required as per site conditions.	Each	1.00	1273.00	1273.00
110.00	Supplying of LED type 600 mm x 600 mm decorative type recessed in door light fixture with good quality plastic optics/translucent PMMA cover with nominal wattage of 36W, with built in drivers/ external driver in case of slim LED panels, housing body made of metallic CRCA powder coated sheet/ white coated Aluminium body for panels, suitable to operate on 50 Hz AC single phase supply including connection etc. complete and it shall meet as per technical specifications enclosed with tender complete in all respect as required. LED must be covered 5 year warranty. (Make: Bajaj, Cat. No.BZRSOL 36W GZI NW or equiv.)	Each	24.00	1909.00	45816.00
111.00	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/ LED Panel of all types, complete with all accessories etc. directly on fall ceiling/ wall/ ceiling , including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, chain, fasteners, single core cable and earthing etc. as required.	Each	24.00	191.00	4584.00
112.00	Supplying of 400mm sweep wall mounted fan having not less than 2000 RPM, with speed regulator suitable for operation at 230Volts 50Hz AC supply etc complete as required. (Make Havells Swing Gyro or similar).	Each	10.00	1909.00	19090.00
113.00	Supply and fixing of following size ISI marks PVC Panel Trunking of standard slot complet as required as per site conditions (Make : precision or equivalent), PVC Panel Trunking 50mm x 50mm	metre	30.00	127.00	3810.00
114.00	Supply and fixing of following size ISI marks PVC Panel Trunking of standard slot complet as required as per site conditions (Make : precision or equivalent), PVC Panel Trunking 75mm x 75mm	metre	30.00	159.00	4770.00
115.00	Supplying of 3½ X 35 Sqmm size of PVC insulated PVC sheathed aluminium conductor armoured cable of 1.1 KV grade etc as required.	metre	450.00	286.00	128700.00
116.00	Supplying of 250 mm sweep Domestic Exhaust fan suitable for operation on single phase ac supply etc. as reqd. (M/s. crompton Brisk Air /Bajaj- Maxima DXL)	Each	2.00	1273.00	2546.00
117.00	Dismantling of existing fire fighting outlet point from inside of roof/wall and closing the existing section with flange, gaskets, nuts and bolts, necessary brackets, support, saddles, i/c removing of existing 100 mm fire fighting pipe from existing location i/c cutting, welding, bending, any modifications, clamping on roof/wall, making same the roof/wall, etc submitting to AAI store, completed as required as per site conditions. (Decision shall be final by Engineer in Charge as per site requirement)	Job	1.00	3183.00	3183.00
118.00	Shifting of existing fire fighting outlet point from inside of wall to outside by using suitable length of pipe (not less than 0.55 meter) with flange, gaskets,nuts and bolts,necessary brackets, support, saddles, i/c removing of existing 100 mm fire fighting pipe from existing location,connecting and refixing the existing piping arrangement i/c cutting, welding, bending, any modifications, clamping on wall, making same the wall, painting entire length of pipe etc as required (Decision shall be final by Engineer in Charge as per site requirement)	Job	1.00	6366.00	6366.00
119.00	Supply and fixing of PVC cable junction boxes with minimum size of 300 x 165 x 170 (LXBxH) mm having metric knock outs for minimum six cable entry, earthing terminals and with cable connecting studs of minimum 12 terminals suitable for connecting of 4C x 16 sqmm size PVC/ XLPE insulated PVC sheathed armoured power cable, fixing the whole unit on the wall making all interconnections, testing and commissioning etc. complete as required.	Job	5.00	954.00	4770.00
120.00	Dismantling / shifting / Re-installation / testing and commissioning of AHU control Panel and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting on wall with suitable size of fastener, all civil works like plastering, etc. and as per specification as required.	Job	1.00	3183.00	3183.00
121.00	Installation, testing and commissioning of exhaust fan/wall fan in the existing opening, including making good the damage, connection, i/c suitable fixing arrangement as per direction of engineer in charge complete etc. as required. Up to 450 mm sweep	Each	12.00	318.00	3816.00

[Signature]
Bum (cc)

S. No.	Description of items	Unit	Qty	Rate	Amount
122.00	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. Group C	Point	10.00	381.00	3810.00
123.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	metre	50.00	146.00	7300.00
124.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	metre	30.00	184.00	5520.00
125.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	metre	30.00	286.00	8580.00
126.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 1.5 sq. mm	metre	5.00	12.00	60.00
127.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 2.5 sq. mm	metre	5.00	19.00	95.00
128.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 4 sq. mm	metre	10.00	31.00	310.00
129.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 6 sq. mm	metre	5.00	44.00	220.00
130.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 20 mm	metre	50.00	28.00	1400.00
131.00	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	metre	50.00	35.00	1750.00
132.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch	Each	20.00	44.00	880.00
133.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 15/16 amp switch	Each	20.00	70.00	1400.00
134.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 amp socket outlet	Each	25.00	76.00	1900.00
135.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 pin 15/16 amp socket outlet	Each	10.00	108.00	1080.00
136.00	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	20.00	57.00	1140.00
137.00	Supplying and fixing following size/ modules, GI box (MS Box to be fabricated according to size in case of Surface) alongwith modular base & cover plate for modular switches in recess etc as required. 1 or 2 Module (75mmX75mm)	Each	5.00	76.00	380.00
138.00	Supplying and fixing following size/ modules, GI box (MS Box to be fabricated according to size in case of Surface) alongwith modular base & cover plate for modular switches in recess etc as required. 3 Module (100mmX75mm)	Each	7.00	101.00	707.00
139.00	Supplying and fixing following size/ modules, GI box (MS Box to be fabricated according to size in case of Surface) alongwith modular base & cover plate for modular switches in recess etc as required. 6 Module (200mmX75mm)	Each	10.00	140.00	1400.00
140.00	Supplying and fixing following size/ modules, GI box (MS Box to be fabricated according to size in case of Surface) alongwith modular base & cover plate for modular switches in recess etc as required. 8 Module (125mmX125mm) / (75mmX225mm)	Each	1.00	222.00	222.00

Done 12/5/23
AUM (E-C)

S. No.	Description of Items	Unit	Qty	Rate	Amount
141.00	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with timed copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 4 way (4 + 12), Double door	Each	4.00	2864.00	11456.00
142.00	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with timed copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way (4 + 24), Double door	Each	2.00	3819.00	7638.00
143.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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. Single pole	Each	96.00	190.00	18240.00
144.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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. Triple pole	Each	4.00	572.00	2288.00
145.00	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	6.00	1273.00	7638.00
146.00	Supplying and making end termination with brass compression gland and aluminium lugs for 3½ X 35 sq. mm (28mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	Each	12.00	350.00	4200.00
147.00	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.	metre	300.00	25.00	7500.00
148.00	Supplying, fixing acoustic lining on wall and ceiling of AHU rooms with 50mm thick, density 32 kg/cu.m resin bonded glass fiber insulation friction fixed in 610mm x 610 mm frame work made of 25X50X50X50X25 mm made out of 0.6mm thick GI sheet U shaped channel and covered with reinforced fiber glass tissue and finished with 0.80 mm perforated aluminium sheet etc. complete as required and as per specifications.	Sqm	50.00	986.00	49300.00
149.00	Providing and fixing boxing for housing AC duct, false ceiling at all height including providing and fixing of frame work, made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of clear fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with 1.2.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) : 2011 (Board with BIS certification marks)	Sqm	20.00	760.00	15200.00
Total					6060751.00

(Mangal Meena)
Asstt. Gen. Manager (E-C)
AAL, CE, Jodhpur

[Signature] 12/05/23