



भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

दिनांक / DATE .....12/05/2023.....

संदर्भ सं / Ref. No. AAI/BD/Engg(C)/TB/Pre-SHA/W.O.-01/2023-24 / 266-78

To  
Anirban Enterprise,  
Jessore Road,  
Kolkata - 700028.

**Sub: - Modification of existing Terminal Building for increasing the SHA and associated works at Bagdogra Airport (Civil and Electrical Works).**

**Ref: - Your E-Bid opened on 02/05/2023  
[Open Tender ID: 2023\_AAI\_151548\_1].**

महोदय/Dear Sir(s),

1. Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 98,01,489.20 (Rupees Ninety Eight Lacs One Thousand Four Hundred Eighty Nine and Twenty Paise Only)** which is **14.84% below** the estimated cost put to tender of Rs. 1,15,09,402.00.
2. Jt. Gen. Manager (E-C), AAI, Bagdogra Airport shall be the Engineer-in-charge of the work. You are requested to attend the office of Jt. Gen. Manager (E-C), AAI, Bagdogra Airport, Dist.: - Darjeeling, Pin: - 734421 by **22/05/2023** to sign and complete the contract agreement. The contract agreement shall be executed on a **non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred only)** and the cost of the stamp paper shall be borne by you.
3. The Earnest Money amount of **Rs. 2,30,188.00 (Rupees Two Lacs Thirty Thousand One Hundred Eighty Eight Only)** received along with your tender has been converted as part of **Security Deposit**, as per **condition 1A on page 16** of the contract document. Please deposit **Rs. 7,49,961.00 (Rupees Seven Lacs Forty Nine Thousand Nine Hundred Sixty One Only)** towards balance Security Deposit within **10 (Ten) days** from the date of issue of this letter, failing which the same will be deducted from your running bills as per **clause 1A on page 16 of General condition of contract**.
4. 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 Conditions of Service) Act 1996, Building and other Construction workers Welfare Cess Act 1996 etc. amended from time to time or any other laws relating thereto and rules made there under from time to time of Central and State Governments.
5. You are also directed to contact **The Jr. Executive (E-C), Bagdogra Airport, Bagdogra** who will arrange to hand over the site to you.

6. Please note that the time allowed for carrying out the work is **05 (Five) Months** and same shall be reckoned from the tenth day after issue of this letter.

7. Any further correspondence in connection with the contract should normally be addressed to the **Engineer-in-charge**.

8. 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.

Thanking you.

**Enclosure: - Schedule of Rates.**

Yours faithfully

-Sd-

(Bhudeb Sarkar)  
Jt. General Manager (E-C),  
Airports Authority of India,  
Bagdogra Airport  
For and on behalf of the Chairman,

N. O. O:

Copy to: -

External: -

1. The Labour Enforcement Officer (Central) Siliguri Office of the Asst. Labour Commissioner (Central), Choudhury Complex, Near New Masjid, Burdwan Road, Siliguri-734001.
2. Employees Provident Fund Organization, Bhavishyanidhi Bhawan, Hill Cart Rd, Ward 1, Patiram Jote, Siliguri, West Bengal-734001.
3. Income Tax Office, Paribahan Nagar, Matigara, Siliguri, Pin - 734010.

Internal: -

1. RED ER, AAI, NSCBI Airport, Kolkata - 700052.
2. GM (Engg.), AAI, NSCBI Airport, Kolkata - 700052.
3. GM (F&A), AAI, NSCBI Airport, Kolkata - 700052.
4. Airport Director, AAI, Cooch Behar Airport, Cooch Behar-736101.
5. AGM Engg. (C), AAI, Bagdogra Airport - 734421.
6. AGM Engg. (E), AAI, Bagdogra Airport - 734421.
7. Sr. Mgr. (Cargo), AAI, Bagdogra Airport - 734421.
8. Mgr. Engg. (Civil), AAI, Bagdogra Airport - 734421.
9. Jr. Exec. Engg. (C), AAI, Bagdogra Airport - 734421.
10. ~~Work File.~~

  
(Bhudeb Sarkar)  
Jt. General Manager (E-C),  
Airports Authority of India,  
Bagdogra Airport  
For and on behalf of the Chairman,

## Government eProcurement System

Created By: Ashwini Kumar

Created Date/Time: 02-May-2023 05:51 PM

Tender Title: Modification of existing Terminal Building for increasing the SHA and associated works at Bagdogra Airport (Civil and Electrical Works)

Tender ID: 2023\_AAI\_151548\_1

Tender Inviting Authority: Jt. GM (E-C)

Name of Work: Modification of existing Terminal Building for increasing the SHA and associated works at Bagdogra Airport (Civil and Elec

Contract No: 2023\_AAI\_151548\_1

## SCHEDULE OF WORK / ITEM(S)

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Units           | No.of Qty | Rate    | Amount   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|---------|----------|
| 1.00  | Carriage of materials by Mechanical Transport including loading, unloading and stacking.<br>Lime, moorum, building rubbish upto 6 km lead.                                                                                                                                                                                                                                                                                                                                                 | Cum             | 112.10    | 200.00  | 22419.81 |
| 2.00  | 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.<br>All kinds of soil.                                                                                                                                                                        | Cum             | 28.12     | 175.00  | 4920.30  |
| 3.00  | 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 :<br>Pipes, cables etc, not exceeding 80 mm dia. | Mtr.            | 15.00     | 225.00  | 3375.00  |
| 4.00  | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.                                                                                                                                                                                                                                                  | Cum             | 19.68     | 125.00  | 2460.00  |
| 5.00  | Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.                                                                                                                                                                                                                                                                                                                                                                  | Cum             | 13.11     | 975.00  | 12782.25 |
| 6.00  | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).                                                                                                                                                                                                                                           | Cum             | 12.87     | 6800.00 | 87529.60 |
| 7.00  | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :<br>1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size).                                                                                                                                                                                                                                           | Cum             | 3.32      | 5500.00 | 18260.00 |
| 8.00  | Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).                                                                                                                                                                                                                                                                 | Sqm.            | 11.36     | 375.00  | 4260.00  |
| 9.00  | Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.                                                                                                                                                                                                                                                                                                                                           | Per 50kg Cement | 3.64      | 45.00   | 163.80   |
| 10.00 | Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :<br>1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).                                                                                                                                       | Cum             | 2.97      | 7200.00 | 21384.00 |
| 11.00 | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).                                                               | Cum             | 2.13      | 7200.00 | 15336.00 |
| 12.00 | Centering and shuttering including strutting, propping etc. and removal of form for :<br>Lintels, beams, plinth beams, girders, bressumers and cantilevers.                                                                                                                                                                                                                                                                                                                                | Sqm.            | 21.56     | 375.00  | 8085.00  |



| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Units | No.of Qty | Rate    | Amount    |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|-----------|
| 13.00 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.<br>Thermo-Mechanically Treated bars of grade Fe-500D or more.                                                                                                                                                                                                                                                                                                                                                                                                  | Kg.   | 260.93    | 78.00   | 20352.54  |
| 14.00 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:<br>Cement mortar 1:6 (1 cement : 6 coarse sand).                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cum   | 20.58     | 6000.00 | 123480.00 |
| 15.00 | 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 :<br>Cement mortar 1:6 (1 cement : 6 coarse sand).                                                                                                                                                                                                                                                                                                                                                                                  | Cum   | 24.70     | 6300.00 | 155610.00 |
| 16.00 | 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.<br>Cement mortar 1:4 (1 cement :4 coarse sand).                                                                                                                                                                                                                                                                                                                                                                                                       | Sqm.  | 35.13     | 1000.00 | 35130.00  |
| 17.00 | 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.<br>Granite stone slab colour black, Cherry/Ruby red.<br>Area of slab over 0.50 sqm. | Sqm.  | 3.92      | 2800.00 | 10976.00  |
| 18.00 | Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately):<br>12 mm thick.                                                                                                                                                                                                                                                                                                                                  | Sqm.  | 83.13     | 600.00  | 49878.00  |
| 19.00 | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:<br>30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.                                                                                                                                                                                                                | Sqm.  | 7.56      | 1800.00 | 13608.00  |
| 20.00 | 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 :<br>250x10 mm.                                                                                                                                                                                                                                                                                                                                                                             | Each  | 18.00     | 90.00   | 1620.00   |
| 21.00 | Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.                                                                                                                                                                                                                                                                                                                                               | Each  | 5.00      | 900.00  | 4500.00   |
| 22.00 | 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 :<br>125 mm.                                                                                                                                                                                                                                                                                                                                                                                     | Each  | 19.00     | 35.00   | 665.00    |
| 23.00 | 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.<br>Twin rubber stopper.                                                                                                                                                                                                                                                                                                                                                     | Each  | 12.00     | 55.00   | 660.00    |
| 24.00 | Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification and direction of Engineer-in-charge.                                                                                                    | Mtr.  | 15.30     | 325.00  | 4972.50   |



| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Units | No.of Qty | Rate    | Amount    |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|-----------|
| 25.00 | Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.<br>Decorative finish (both side wood grained finish). | Sqm   | 5.67      | 2500.00 | 14175.00  |
| 26.00 | 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.   | 91.80     | 105.00  | 9639.00   |
| 27.00 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Kg.   | 65.60     | 590.00  | 38704.00  |
| 28.00 | Providing and laying vitrified floor 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 make, in all colours and shades, laid on 20mm 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., complete.<br>Size of Tile 1000x1000 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sqm.  | 125.12    | 1500.00 | 187680.00 |
| 29.00 | Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sqm.  | 106.92    | 450.00  | 48114.00  |
| 30.00 | 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).<br>Size of Tile 600x600 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sqm.  | 331.60    | 1050.00 | 348180.00 |
| 31.00 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sqm.  | 106.92    | 3500.00 | 374220.00 |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Units | No. of Qty | Rate    | Amount    |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|---------|-----------|
| 32.00 | <p>Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross 'T' of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls/partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.</p> <p>Engineer-in-Charge. sqm 1718.70</p> <p>Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm.The calcium silicate ceiling tile shall have NRC</p> <p>value of 0.50 (Minimum), light reflection &gt; 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity &lt;0.043 w/mK.</p> | Sqm.  | 120.40     | 1700.00 | 204680.00 |
| 33.00 | <p>Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :</p> <p>GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, 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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sqm.  | 421.12     | 1750.00 | 736960.00 |
| 34.00 | 12 mm cement plaster of mix :<br>1:6 (1 cement: 6 fine sand).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sqm.  | 144.33     | 225.00  | 32474.25  |
| 35.00 | 15 mm cement plaster on the rough side of single or half brick wall of mix :<br>1:6 (1 cement: 6 fine sand).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sqm.  | 142.53     | 250.00  | 35632.50  |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                           | Units | No.of Qty | Rate    | Amount   |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|----------|
| 36.00 | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.                                                                                                                                                                                                                                                 | Sqm.  | 446.93    | 135.00  | 60335.55 |
| 37.00 | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :<br>Two or more coats on new work.                                                                                                                                                                                                                                                   | Sqm.  | 565.62    | 105.00  | 59390.10 |
| 38.00 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :<br>Two or more coats on new work.                                                                                                                                                                                                                                                        | Sqm.  | 100.00    | 95.00   | 9500.00  |
| 39.00 | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.<br>With cement mortar 1:4 (1 cement : 4 fine sand). | Sqm.  | 100.00    | 350.00  | 35000.00 |
| 40.00 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.<br>Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).                                                                                                                                                             | Cum   | 12.89     | 1100.00 | 14179.00 |
| 41.00 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.<br>Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).                                                                                                                                                         | Cum   | 3.71      | 1200.00 | 4452.00  |
| 42.00 | 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   | 4.83      | 1400.00 | 6762.00  |
| 43.00 | 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.<br>In cement mortar.                                                                                                                                                               | Cum   | 84.16     | 900.00  | 75744.00 |
| 44.00 | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :<br>Of area 3 sq. metres and below.                                                                                                                                                                              | Each  | 11.00     | 175.00  | 1925.00  |
| 45.00 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.<br>For thickness of tiles 10 mm to 25 mm.                                                                                                                                                                                                                            | Sqm.  | 110.46    | 20.00   | 2209.20  |
| 46.00 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.<br>For thickness of tiles above 25 mm and up to 40 mm.                                                                                                                                                                                                               | Sqm.  | 106.92    | 75.00   | 8019.00  |
| 47.00 | 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.                                                                                                                                                   | Sqm.  | 246.51    | 30.00   | 7395.30  |
| 48.00 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.<br>Flexible pipe.<br>32 mm dia.                                                                                                                                                                                                                                                 | Each  | 2.00      | 65.00   | 130.00   |
| 49.00 | Providing and fixing soil, waste and vent pipes : 100 mm dia.<br>Sand cast iron S&S pipe as per IS: 1729.                                                                                                                                                                                                                                                                               | Mtr.  | 60.00     | 950.00  | 57000.00 |
| 50.00 | Providing and fixing plain bend of required degree.<br>100 mm dia.<br>Sand cast iron S&S as per IS-1729.                                                                                                                                                                                                                                                                                | Each  | 4.00      | 350.00  | 1400.00  |
| 51.00 | Providing and fixing heel rest sanitary bend<br>100 mm dia.<br>Sand cast iron S&S as per IS - 1729.                                                                                                                                                                                                                                                                                     | Each  | 3.00      | 500.00  | 1500.00  |
| 52.00 | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :<br>100 mm.                                                                                                                                                                                                                                                              | Each  | 15.00     | 500.00  | 7500.00  |
| 53.00 | Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :<br>100 mm inlet and 100 mm outlet.<br>Sand cast iron S&S as per IS: 3989.                                                                                                                    | Each  | 1.00      | 1200.00 | 1200.00  |



| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Units | No.of Qty | Rate    | Amount    |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|-----------|
| 54.00 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal outer dia Pipes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Mtr.  | 20.00     | 425.00  | 8500.00   |
| 55.00 | 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. 25 mm nominal dia Pipes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mtr.  | 45.00     | 375.00  | 16875.00  |
| 56.00 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/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) :<br>For fixed portion.<br>Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).                                                                                                                                                                                                                                             | Kg.   | 1052.18   | 450.00  | 473481.00 |
| 57.00 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/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) :<br>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).<br>Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15). | Kg.   | 109.10    | 490.00  | 53459.00  |
| 58.00 | Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineerin-charge.<br>Pre-laminated particle board with decorative lamination on both sides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sqm.  | 13.20     | 1200.00 | 15840.00  |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Units | No. of Qty | Rate     | Amount    |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|----------|-----------|
| 59.00 | 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):<br>With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm).                                                                                                                                                                                                                    | Sqm.  | 29.52      | 1250.00  | 36900.00  |
| 60.00 | 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):<br>With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm).                                                                                                                                                                                                                       | Sqm.  | 150.06     | 1325.00  | 198829.50 |
| 61.00 | 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.<br>With stainless steel cover plate minimum 1.25 mm thickness. | Each  | 2.00       | 2200.00  | 4400.00   |
| 62.00 | Providing and fixing Brass 100 mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.                                                                                                                                                                                                                                                                                                                                                                                | Each  | 11.00      | 425.00   | 4675.00   |
| 63.00 | Providing and fixing "Dani Vanity Cabinet" wash basin of Parryware make or equivalent at VIP room toilet including fittings etc. all complete as per direction of Engineer-in-charge.                                                                                                                                                                                                                                                                                                                                                                                                        | Each  | 1.00       | 30000.00 | 30000.00  |
| 64.00 | Providing and fixing circular shape mirror with inbuilt LED backlight of superior glass for VIP Lounge toilet all complete as per the direction of EIC.                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each  | 1.00       | 5750.00  | 5750.00   |
| 65.00 | Providing and fixing Parryware's two way Bib Cock (Activa) (Cat No. G5234A1) or equivalent.<br>15mm nominal bore.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Each  | 1.00       | 1200.00  | 1200.00   |
| 66.00 | Providing and fixing VIVO Creama/ VIVO Mushroom/ VIVO HL Wall Tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.                                                               | Sqm   | 92.61      | 1300.00  | 120393.00 |
| 67.00 | Providing and fixing SS 316 Marine Grade Tactile Indicator Warning Stud with Concentric Circles Pattern on Top (ET-WTS001) (Size 35x25x4.5 mm) having 1 no. of stem: 6mm X 12mm EMINENT TACTILES brand make by EMINENT OVERSEAS. as per manufacturers design/specification complying with standards as specified in NBC 2016 including installation cost (Drilling hole, Adhesive, fixing & Cleaning). Standard epoxy & Hardenred based adhesive cost is considered in the given price per hole.                                                                                             | Each  | 2016.00    | 70.00    | 141120.00 |
| 68.00 | Providing and fixing SS 316 Marine Grade Matt Finish Tactile Indicator Directional Strip with Linear Pattern on Top (ET-DTS001) (Size 280 x 35 x 25 x 4.5 mm) having 3 No. of stem: 6mm X 12mm. EMINENT TACTILES brand make by EMINENT OVERSEAS. as per manufacturers design/specification complying with standards as specified in NBC 2016 including installation cost (Drilling hole, Adhesive, fixing & Cleaning). Standard epoxy & Hardenred based adhesive cost is considered in the given price per hole.                                                                             | Each  | 2136.00    | 370.00   | 790320.00 |
| 69.00 | Providing and fixing Jaquar's automatic soap dispenser of ABS body (code no. - SDR-DLC-DJ0160AS) or equivalent with fittings of approved quality.                                                                                                                                                                                                                                                                                                                                                                                                                                            | Each  | 1.00       | 5000.00  | 5000.00   |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Units | No.of Qty | Rate     | Amount    |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|----------|-----------|
| 70.00 | Providing and fixing Jaquar handshower (Health Faucet with brass handle and tube) (Cat No. - ALD-573) with 8mm dia, 1.2 meter long flexible tube and wall hook or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each  | 1.00      | 750.00   | 750.00    |
| 71.00 | Providing & fixing in position 3mm thick Aluminum composite panels in external face, column/wall cladding and canopy ceiling of approved make comprising virgin polyethylene core sandwiched between two skins of 0.25mm thick. Fixing of surface cladding to masonry/concrete faces/steel structure as called for (straight/slope and curvilinear profile and shapes), fixed on appropriate and adequate frame work of aluminium tubular sections (aluminium frame work to be paid separately) including all accessories and all incidental work. The cladding shall be done in accordance with the drawings, fixed to sides and faces of columns/piers, to sills and soffits of window opening, returned over coping, to RCC/structural steel system, etc, to line and level. The joints shall be properly sealed with approved silicon sealant to make the joints watertight and weather proof including, fixing over aluminum frame using mechanical fasteners such as Aluminum cleats and stainless steel fasteners all complete as approved by the Engineer-in-charge. The work shall be completed as per specification and directions of Engineer-in-charge. | Sqm   | 156.45    | 1800.00  | 281610.00 |
| 72.00 | Providing CISF Stamping Table of required size for airport operations at Bagdogra airport. The Stamping Table is to be fabricated with 19mm thick Ply (conforming to IS:710) as per the detailed drawings. The Stamping Table is to be finished with 1mm thick laminate sheet (of approved shade) and 18mm thick black granite top as per the detailed drawings. The work includes fabrication and providing Stamping Table at the desired location completely finished as per the drawings. The rate shall include cost for all materials including wastages (including screws, nails, adhesives, paints/ primers etc) labour, transport and nothing extra shall be paid separately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each  | 4.00      | 10000.00 | 40000.00  |
| 73.00 | Providing Ladies Frisking Booth of required size for airport operations at Bagdogra airport. The Ladies Frisking Booth is to be fabricated with 19mm thick Ply (conforming to IS:710) and fixed to the floor using square MS bars as per the detailed drawings. The Ladies Frisking Booth is to be finished with 1mm thick laminate sheet (of approved shade) as per the detailed drawings. The work includes fabrication and providing Ladies Frisking Booth at the desired location completely finished as per the drawings. The rate shall include cost for all materials including wastages (including screws, nails, adhesives, paints/ primers, curtain bar etc) labour, transport and nothing extra shall be paid separately. (The exterior surface area of the booth, excluding opening/entry, shall be measured for payment purpose).                                                                                                                                                                                                                                                                                                                      | Each  | 2.00      | 8000.00  | 16000.00  |
| 74.00 | Providing CISF Inspection Desk of required size for airport operations at Bagdogra airport. The Inspection Desk is to be fabricated with 19mm thick Ply (conforming to IS:710) as per the detailed drawings. The Inspection Desk is to be finished with 1mm thick laminate sheet (of approved shade) and 18mm thick black granite top as per the detailed drawings. The work includes fabrication and providing Inspection Desk at the desired location completely finished as per the drawings. The rate shall include cost for all materials including wastages (including wooden edge-beadings, screws, nails, adhesives, paints/ primers etc) labour, transport and nothing extra shall be paid separately.                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each  | 4.00      | 31000.00 | 124000.00 |



| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Units | No.of Qty | Rate     | Amount   |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|----------|----------|
| 75.00 | Providing CISF Frisking Pedestal of required size for airport operations at Bagdogra airport. The Frisking Pedestal is to be fabricated with 19mm thick Ply (conforming to IS:710) as per the detailed drawings. The Frisking Pedestal is to be finished with 1mm thick laminate sheet (of approved shade) and 18mm thick black granite top as per the detailed drawings. The work includes fabrication and providing Frisking Pedestal at the desired location completely finished as per the drawings. The rate shall include cost for all materials including wastages (including screws, nails, adhesives, paints/ primers etc) labour, transport and nothing extra shall be paid separately. | Each  | 4.00      | 5700.00  | 22800.00 |
| 76.00 | Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double action hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).                                                                                                                                                                                                                                                                                     | Sqm   | 3.78      | 4300.00  | 16254.00 |
| 77.00 | Providing and fixing C.P. brass angle valve (Parryware's Trigon angle valve or equivalent ) for basin mixer. 15mm nominal bore.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each  | 5.00      | 375.00   | 1875.00  |
| 78.00 | Providing and fixing Jaquar wall mounted WC with seat cover, hinges, accessories set (SLS-WHT-6953BI) of size 360x520x405 mm or equivalent, Jaquar concealed flushing cistern (Cat No. JCS-WHT-2400S) manually controlled with Jaquar flush plate of Model No. JCP-CHR-152415 or equivalent, with all fittings and fixtures in approved colour complete including cutting and making good the walls and floors wherever required.                                                                                                                                                                                                                                                                 | Each  | 1.00      | 18000.00 | 18000.00 |
| 79.00 | Providing and fixing Jaquar's toilet paper holder with flap (Cat No. - ACN-1153S) or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each  | 1.00      | 1200.00  | 1200.00  |
| 80.00 | Providing and fixing Jaquar's towel ring round with round flange (Cat No. - CAN-1121BN) or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Each  | 1.00      | 750.00   | 750.00   |

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                | Units | No.of Qty | Rate    | Amount   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|----------|
| 81.00 | 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.<br>Group C | Point | 20.00     | 1050.00 | 21000.00 |
| 82.00 | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required<br>i) 2 X 6 sq. mm + 1 X 6 sq. mm earth wire                                                                                                                       | Mtr   | 120.00    | 700.00  | 84000.00 |
| 83.00 | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.<br>i) 3 x 1.5 sq. mm                                                                                                                                                                       | Mtr   | 100.00    | 75.00   | 7500.00  |
| 84.00 | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.<br>ii) 3 x 2.5 sq. mm                                                                                                                                                                      | Mtr   | 100.00    | 95.00   | 9500.00  |
| 85.00 | Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.<br>iii) 3 x 4 sq. mm                                                                                                                                                                       | Mtr   | 200.00    | 135.00  | 27000.00 |
| 86.00 | Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.<br>i) 20 mm                                                                                                           | Mtr   | 150.00    | 120.00  | 18000.00 |
| 87.00 | Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.<br>ii) 25 mm                                                                                                          | Mtr   | 200.00    | 135.00  | 27000.00 |
| 88.00 | Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.<br>iii) 32 mm                                                                                                         | Mtr   | 50.00     | 160.00  | 8000.00  |
| 89.00 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.<br>i) 5/6 A switch                                                                                                                                                                      | Each  | 25.00     | 65.00   | 1625.00  |
| 90.00 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.<br>ii) 15/16 A switch                                                                                                                                                                   | Each  | 15.00     | 125.00  | 1875.00  |
| 91.00 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.<br>iii) 3 Pin 5/6 A socket outlet                                                                                                                                                       | Each  | 25.00     | 95.00   | 2375.00  |
| 92.00 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.<br>iv) 6 Pin 15/16 A socket outlet                                                                                                                                                      | Each  | 15.00     | 150.00  | 2250.00  |
| 93.00 | Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.                                                                                                                                                                                                                                  | Each  | 20.00     | 20.00   | 400.00   |
| 94.00 | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.<br>i) 3 Module (100mmX75mm)                                                                                                                                                                                        | Each  | 20.00     | 175.00  | 3500.00  |
| 95.00 | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.<br>ii) 6 Module (200mmX75mm)                                                                                                                                                                                       | Each  | 10.00     | 300.00  | 3000.00  |
| 96.00 | Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.                                     | Each  | 100.00    | 135.00  | 13500.00 |



| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                             | Units | No.of Qty | Rate    | Amount   |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|----------|
| 97.00  | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.                                                                                                                                                                                                                                          | Each  | 50.00     | 135.00  | 6750.00  |
| 98.00  | Supplying and fixing extra down rod of 10 cm length G.I. pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)                                                                                                                                                                                                                         | Each  | 150.00    | 40.00   | 6000.00  |
| 99.00  | Installation of exhaust fan including in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.<br>i) Upto 450 mm sweep                                                                                                                                                                                                                                                                             | Each  | 2.00      | 150.00  | 300.00   |
| 100.00 | Extra for fixing the louvers/ shutters complete with frame for an exhaust fan of all sizes.                                                                                                                                                                                                                                                                                                                                                               | Each  | 2.00      | 150.00  | 300.00   |
| 101.00 | 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 steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required.<br>Group C                                                                                        | Point | 130.00    | 700.00  | 91000.00 |
| 102.00 | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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).<br>i) 12 way, Double door                                                                                                               | Each  | 6.00      | 1200.00 | 7200.00  |
| 103.00 | Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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).<br>i) 6 way (4 + 18), Double door                                                                                        | Each  | 3.00      | 2400.00 | 7200.00  |
| 104.00 | Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)<br>i) 12 way (4 + 36), Double door | Each  | 2.00      | 5000.00 | 10000.00 |
| 105.00 | Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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.<br>i) Single pole                                                                                                                                                                                  | Each  | 50.00     | 125.00  | 6250.00  |
| 106.00 | Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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.<br>ii) Double pole.                                                                                                                                                                                | Each  | 6.00      | 350.00  | 2100.00  |
| 107.00 | Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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.<br>iii) Triple pole.                                                                                                                                                                               | Each  | 24.00     | 600.00  | 14400.00 |
| 108.00 | Providing and fixing of FP 63A, 25KA MCCB (Icu = 100% Ics) with thermomagnetic release and terminal spreaders in existing vertical DB and making connections, etc. as required.                                                                                                                                                                                                                                                                           | Each  | 2.00      | 6000.00 | 12000.00 |
| 109.00 | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.                                                                                                                                                                                                                                                                                                                                                         | Each  | 4.00      | 20.00   | 80.00    |



| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                   | Units | No.of Qty | Rate    | Amount   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---------|----------|
| 110.00 | Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 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  | 7.00      | 1050.00 | 7350.00  |
| 111.00 | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.                                                                                               | Set   | 2.00      | 5800.00 | 11600.00 |
| 112.00 | Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.                                                                                                                                                   | Mtr   | 30.00     | 425.00  | 12750.00 |
| 113.00 | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.                                                                                                                                                                                                                                          | Mtr   | 80.00     | 145.00  | 11600.00 |
| 114.00 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.                                                                                                                                                                                                                                                 | Mtr   | 150.00    | 25.00   | 3750.00  |
| 115.00 | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.<br>i) Upto 35 sq. mm (clamped with 1mm thick saddle).                                                                                                                                          | Mtr   | 200.00    | 55.00   | 11000.00 |
| 116.00 | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.<br>ii) Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp).                                                                                                                 | Mtr   | 250.00    | 130.00  | 32500.00 |
| 117.00 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.<br>i) 4C x 25 sq.mm.                                                                                                                    | Set   | 10.00     | 275.00  | 2750.00  |
| 118.00 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.<br>ii) 3.5C x 70 sq.mm.                                                                                                                 | Set   | 4.00      | 375.00  | 1500.00  |
| 119.00 | Supply of surface/recessed type 2' x 2' (minimum 36W) LED type downlighter suitable to operate on 50 Hz 1Ø AC supply ready to be installed at site (Technical specification attached).                                                                                                                                                          | Each  | 60.00     | 1600.00 | 96000.00 |

| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Units | No. of Qty | Rate      | Amount    |
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| 120.00 | Supply of single phase 950 RPM (nominal), Heavy Duty Exhaust fan of following sizes with Louver and shutter / Wire mesh Guard etc. complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each  | 2.00       | 2500.00   | 5000.00   |
| 121.00 | Supply of following sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured power cable of 1.1KV grade confirming to IS 7098, Part-I 1988 with up to date amendments and confirming to technical specifications. (The outer sheath shall be FRLS).<br>i) (a) 4c x 25 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mtr   | 200.00     | 190.00    | 38000.00  |
| 122.00 | PVC sheathed, Aluminium conductor armoured power cable of 1.1KV grade confirming to IS 7098, Part-I 1988 with up to date amendments and confirming to technical specifications. (The outer sheath shall be FRLS).<br>ii) (b) 3.5c x 70 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Mtr   | 250.00     | 400.00    | 100000.00 |
| 123.00 | SITC of floor/wall mounted LT Panel conforming to IS 8623 / IEC 60439 PTTA type & shall be of Form-3b construction with following mentioned and complete in all respect and as per technical specifications.<br>a) SITC of cubicle type LT panel, (minimum IP42 protection) for indoor application, suitable for 415V+/-10%, 3 Phase, 4 wire 50 Hz AC supply system, fabricated in compartmentalized modular design from CRCA sheet steel of minimum 2 mm thick for frame work and covers, 3 mm thick for gland plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium alloy bus bars for high conductivity, DMC/SMC bus bar supports, with short circuit withstand capacity as per design subject to minimum 50 KA for 1 sec , fabrication shall be done in transportable sections, entire panel shall have a common Copper earth bus bar of size as per IS 3043 subject to minimum 50 mm x 6 mm at the rear with 2 Nos. earth stud, solid / flexible connections from main earth bus bar to switchgears with required size of Cooper conductor and control wiring with 2.5 sqmm PVC insulated copper conductor cable (FRLS), cable alleys, cable gland plates in two half, including provision of SPD's. Surge Protection Devices (SPD'S) shall be provided to LT Panel (Type 2 / Class C), i/c providing following switchgears / accessories as per specifications.<br>Bus-Bar: TPN aluminium extensible type main bus bars of minimum 200 Amps. capacity with heat shrinkable coloured sleeves having 100% neutral bus as that of phase i/c DMC / | Job   | 1.00       | 275000.00 | 275000.00 |
| 123.01 | SMC bus bars supports at required intervals complete for cross section, size supports & having spacing etc. for withstanding fault level of 50kA capacity for 1 sec.<br>b) Incomer:- 2 Nos MCCB, 150 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required.<br>3(Three)Nos. LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. Intelligent multi function digital meter to read V,A,kVA, KW, kVAR, PF, Hz etc , LED display with required Nos CTs, 200 / 5, 15 VA, class 1.0 and control circuit wiring with 2 Amp MCB for controlling.<br>c) Buscoupler:- 1 No MCCB(Ics=100% Icu), 150 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required. 3(Three)Nos. LED type, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling.<br>d) Outgoing:- (i) 03 Nos MCCB(Ics=100% Icu), 63 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. (ii) 02 Nos MCCB(Ics=100% Icu), 40 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required.                                                                                                                         |       |            |           |           |

| SI.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Units | No.of Qty | Rate      | Amount    |
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| 123.02 | Note: (a) ON, OFF & TRIP indication lamp (1 each LED type) with 2 Amp SP MCB for each incoming/outgoing. (b) 1 Set Rotary operating mechanism for all MCCBs (c) Terminal extension spreaders for MCCBs above 63A (d) All Incoming, Buscoupler, Outgoing shall have door lock arrangement with MCCB. (e) All outgoing shall have minimum 96mm*48 mm digital ammeter with selector switch, Suitable CT. (f) All Incomers and buscoupler must have electrical & mechanical interlocking arrangement as suitable. (g) Panel should be complete in all respect to be installed and commissioned at site.                                                                    |       |           |           |           |
| 124.00 | SITC of UL / EN listed (latest version) intelligent addressable multi criteria detector (Smoke + heat) with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, compatible for existing installed FAD Panel, complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors) | Each  | 20.00     | 3100.00   | 62000.00  |
| 125.00 | Dismantling of existing UL listed and FM approved intelligent Addressable microprocessor based, photoelectric smoke & heat type multicriteria detector (with base for below and above ceiling), fault isolator modules, hooters and relay modules etc and keeping the same in AAI store.                                                                                                                                                                                                                                                                                                                                                                               | Each  | 165.00    | 325.00    | 53625.00  |
| 126.00 | Re-installation, testing & commissioning of UL listed and FM approved intelligent Addressable microprocessor based, photoelectric smoke & heat type multicriteria detector (with base for below and above ceiling), fault isolator modules, hooters and relay modules.                                                                                                                                                                                                                                                                                                                                                                                                 | Each  | 165.00    | 450.00    | 74250.00  |
| 127.00 | Dismantling of existing response indicator and keeping the same in AAI store.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Each  | 35.00     | 30.00     | 1050.00   |
| 128.00 | Re-installation, testing & commissioning of response indicator as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each  | 35.00     | 100.00    | 3500.00   |
| 129.00 | Charges for existing graphics software modification for inclusion of new devices, address marking, layout modification, nomenclature addition etc. including reprogramming/reconfiguration complete as required for existing system.                                                                                                                                                                                                                                                                                                                                                                                                                                   | Job   | 1.00      | 170000.00 | 170000.00 |
| 130.00 | Laying of 2 x 1.5 sqmm FRLSZH armoured cable (FDA system cable to be supplied departmentally) on surface complete as required as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mtr   | 200.00    | 45.00     | 9000.00   |
| 131.00 | Supply & installation of Detector Mounting 4" x 4" Junction Box including suitable gland as required as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Each  | 50.00     | 175.00    | 8750.00   |
| 132.00 | Providing, laying, testing & commissioning of 100 mm dia. 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required as per site condition.                                                                                                                                                                                                                                                    | Mtr   | 20.00     | 2150.00   | 43000.00  |
| 133.00 | Supplying and fixing of wall mounted hose cabinet box of size 750 mm x 600 mm x 250 mm made of 16 swg MS sheet complete with glass doors including necessary locking arrangement along with supply & fixing of 2 Nos of 15 meter long Hose pipe (63 mm dia) i/c provision of male and female couplings duly bound with GI wire, rivets, 1 No. SS short branch pipe (with 20mm dia nozzle) suitable for fixing with hose pipe, fully painted with Post Office Red externally and white internally with synthetic enamel paint complete in all respect, for internal/external hydrant as required as per site condition.                                                 | Each  | 2.00      | 19000.00  | 38000.00  |



| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Units | No.of Qty | Rate      | Amount     |
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| 134.00 | Supplying and fixing of first-aid MS Hose Reel drum (spray painted in post office red, conforming to IS 884) alongwith 20 mm nominal internal dia gun metal globe valve and 20 Mtr. long high pressure tube with shutoff nozzle including providing connecting pipe and other accessories viz. suitable valve & piping work complete in all respect as required in site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each  | 2.00      | 11000.00  | 22000.00   |
| 135.00 | Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type - A) with blank Gunmetal/Stainless Steel cap and chain as required as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each  | 2.00      | 9500.00   | 19000.00   |
| 136.00 | Supply, fixing, testing & commissioning of MS air cushion tank on top of each riser fabricated from 6mm thick MS plate, 200 mm in diameter and 1.2 m in height with dished ends fabricated from 8mm thick MS plate with Air release valve with stop cock, flanged inlet connection and drain arrangement with 25mm dia valve, pressure gauge with gun metal stop cock complete with all accessories as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Each  | 2.00      | 29500.00  | 59000.00   |
| 137.00 | Dismantalling of existing fire hydrant system including all kinds of accessories and keeping the same at AAI store.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Job   | 2.00      | 12500.00  | 25000.00   |
| 138.00 | SITC of 2 TR capacity Inverter Type wall mounted Split A.C of 5 star BEE rating suitable for operation on 230V(±,10%), 1 phase, 50Hz AC supply complete as required as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each  | 7.00      | 46000.00  | 322000.00  |
| 139.00 | Supply and fixing of 18 Gauge hard copper refrigerant piping between Outdoor Units & Indoor Units with 13mm thick nitrile rubber insulation for AC units (both suction & liquid piping)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mtr   | 100.00    | 900.00    | 90000.00   |
| 140.00 | Supply and laying of 3c x 2.5 Sqmm copper cable for interconnection as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mtr   | 100.00    | 125.00    | 12500.00   |
| 141.00 | Dismantling of the existing split/Tower type AC units (upto 4Tr capacity - both IDU & ODU) with all types of accessories and keeping the same in AAI store.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Job   | 20.00     | 2500.00   | 50000.00   |
| 142.00 | Reinstallation including testing and commissioning of split/Tower type AC units (upto 4 Tr capacity - both IDU & ODU) with all types of accessories as per site condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Job   | 20.00     | 3500.00   | 70000.00   |
| 143.00 | Supply and charging of refrigerant gas, for top up based on site requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Kg    | 80.00     | 1200.00   | 96000.00   |
| 144.00 | SITC of drinking water fountain suitable for operation on 230V/50 HZ AC supply and made by brushed finish stainless steel top and heavy duty galvanized steel frame with chilling capacity of minimum 60 litre per hour, having bottle filler and bi-level drinking water fountain one at higher level another at lower level to match disability compliance to deliver the normal & cold water through separate taps along with recipient, 100 Micron strainer, flexible bubbler guard, 60 LPH RO system alongwith pressure tank, Chiller unit suitable for R-134(a) refrigerant, adjustable thermostat control. The system/item includes providing & fixing of all necessary finished enclosure made of frosted toughened glass (12 mm) with SS (Grade 304) railing supports of hollow tubes, channels, plates, nuts/bolts etc, and stop valve, TRAP, pipe connector to waste line, supply line, suitable thickness heavy duty rubber type mat, etc. complete as required. (OASIS Model – M8CRSBFY or it's equivalent ) | Job   | 4.00      | 250000.00 | 1000000.00 |

| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Units | No.of Qty | Rate     | Amount    |
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| 145.00 | <p>Sign Type Code: 2.1a - Sign Type: Ceiling Hung Directional Sign - Refer design drawing: 2.1a-S, 2.1a-G:</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge.</p> <p>Sign face : Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Sign Structure: Providing and fixing of aluminium 25mm x 25mm x 1.5mm thick hollow sections for structure framework of sign frame.</p> <p>Suspender: Providing and fixing Stainless steel 25 x 25mm, 1.5 mm thick Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots.</p> | Each  | 15.00     | 30000.00 | 450000.00 |
| 145.01 | <p>Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.</p> <p>i) (a) 2.1a, Message-1 (Single/Double Sided)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |           |          |           |
| 146.00 | <p>Sign Type Code: 2.1a - Sign Type: Ceiling Hung Directional Sign - Refer design drawing: 2.1a-S, 2.1a-G:</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge.</p> <p>Sign face : Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Sign Structure: Providing and fixing of aluminium 25mm x 25mm x 1.5mm thick hollow sections for structure framework of sign frame.</p> <p>Suspender: Providing and fixing Stainless steel 25 x 25mm, 1.5 mm thick Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots.</p> | Each  | 6.00      | 41000.00 | 246000.00 |
| 146.01 | <p>Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.</p> <p>ii) (b) 2.1a, Message-2 (Single/Double Sided)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |           |          |           |

| SI.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Units | No.of Qty | Rate     | Amount    |
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| 147.00 | <p>Sign Type Code: 2.1a - Sign Type: Ceiling Hung Directional Sign - Refer design drawing: 2.1a-S, 2.1a-G:</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge.</p> <p>Sign face : Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Sign Structure: Providing and fixing of aluminium 25mm x 25mm x 1.5mm thick hollow sections for structure framework of sign frame.</p> <p>Suspender: Providing and fixing Stainless steel 25 x 25mm, 1.5 mm thick Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots.</p>                                                                                | Each  | 2.00      | 50000.00 | 100000.00 |
| 147.01 | <p>Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.</p> <p>iii) (c )2.1a, Message-4 (Single/Double Sided).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |           |          |           |
| 148.00 | <p>Sign Type Code: 2.2g-2 - Sign Type: Boarding Gates - Wall Projected - Refer design drawing: 2.2g-2-S, 2.2g-2-G</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisf action of the Engineer in-Charge.</p> <p>Sign face: Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor.</p> <p>Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts,</p> | Each  | 2.00      | 35000.00 | 70000.00  |
| 148.01 | washers, nuts, etc. complete as per drawing. (Single/Double Sided)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |           |          |           |



| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Units | No.of Qty | Rate     | Amount   |
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| 149.00 | <p>Sign Type Code: 2.4a - Sign Type: Utility Signs(Washroom/Drinking Water/Baby Care) - Refer design drawing: 2.4a-S, 2.4a-G</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge.</p> <p>Sign face: Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.</p>                                                                                                      | Each  | 4.00      | 15000.00 | 60000.00 |
| 149.01 | i) 2.4a (Type-1), Wall Projected (Double Side - Sign face in acrylic).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |           |          |          |
| 150.00 | <p>Sign Type Code: 2.4a - Sign Type: Utility Signs(Washroom/Drinking Water/Baby Care) - Refer design drawing: 2.4a-S, 2.4a-G</p> <p>Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge.</p> <p>Sign face: Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>Sign Frame: Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with VHB tape in one side and Hook &amp; Loop tape from the other side so as the panel be easily openable for maintenance.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.</p> <p>ii) 2.4a (Type-2), Wall mounted (Single side content - Sign Face: acrylic, and Back: 3mm ACP)</p> | Each  | 4.00      | 10000.00 | 40000.00 |
| 151.00 | <p>Sign Type Code: 2.4b - Sign Type: Service Areas - Refer design drawing: 2.4b-G</p> <p>Providing and fixing non-illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge.</p> <p>Sign face: Digitally printed Graphics on vinyl pasted on 3mm thick black acrylic mounted on walls/claddings/ paneling's using VHB Tape.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each  | 10.00     | 750.00   | 7500.00  |

| Sl.No  | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Units | No.of Qty | Rate     | Amount   |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|----------|----------|
| 152.00 | <p>Sign Type Code: 2.6a - Sign Type: Emergency Direction Signs - Illuminated - Refer design drawing: 2.6a-G</p> <p>Providing and fixing illuminated emergency signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge.</p> <p>Sign face: Sign face shall be made in 5 mm thick laminated acrylic (as specified) with graphics in white and green translucent vinyl on the inside face of the glass.</p> <p>Sign Box: The sign box 80 mm deep shall be made out of 1.6 mm thick CRCA MS sheet fabricated and provided with same material support channel and ties welded to sign channel. All fabrication shall be done using CNC machines. Sign box shall be provided with openings with frosted glass at bottom and Mesh from inside on top for ventilation. Complete sign box including channel supports are to be powder coated to match RAL9006. Sign box flange receiving the sign face shall be provided with slots to receive the sign face.</p> <p>Lighting: All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing</p> <p>(a) 2.6a-2, Emergency Exit (Single/Double Sided).</p> | Each  | 4.00      | 10000.00 | 40000.00 |
| 153.00 | <p>Providing and fixing of sign face made out of 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl for existing signage board. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>i) (a) 2100 mm x 255 mm size.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each  | 10.00     | 7500.00  | 75000.00 |
| 154.00 | <p>Providing and fixing of sign face made out of 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl for existing signage board. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge.</p> <p>ii) (b) 450 mm x 450 mm size.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each  | 5.00      | 3500.00  | 17500.00 |
| 155.00 | <p>ITC of signage boards with all kind of accessories on wall/with hanging support in designated location of following size as per site condition and as directed by Engineer-in-Charge.</p> <p>i) (a) Upto 450mm size.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each  | 4.00      | 1200.00  | 4800.00  |
| 156.00 | <p>ITC of signage boards with all kind of accessories on wall/with hanging support in designated location of following size as per site condition and as directed by Engineer-in-Charge.</p> <p>ii) (b) Beyond 450mm - upto 2100mm size.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each  | 6.00      | 3000.00  | 18000.00 |
| 157.00 | <p>Dismantling of following size existing Signage Boards installed at terminal building and keeping the same in AAI store (within 50 Mtr. distance) as per site condition and as directed by Engineer-in-Charge.</p> <p>i) (a) Upto 450mm size.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each  | 4.00      | 250.00   | 1000.00  |

| Sl.No            | Description of Work / Item(s)                                                                                                                                                                                                                             | Units | No.of Qty | Rate   | Amount     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|--------|------------|
| 158.00           | Dismantling of following size existing Signage Boards installed at terminal building and keeping the same in AAI store (within 50 Mtr. distance) as per site condition and as directed by Engineer-in-Charge.<br>ii) (b) Beyond 450mm - upto 2100mm size. | Each  | 6.00      | 600.00 | 3600.00    |
| Total in Figures |                                                                                                                                                                                                                                                           |       |           |        | 9801489.20 |

*Bhudeb Sarkar*

(Bhudeb Sarkar)  
Jt. GM Engg. (C)  
AAI, Bagdogra Airport