



Ref No: AAI/SNR/ENGG-E/CARGO/W-01/2021-22/339-344

Dated: 12.04.2021.

To,
M/s. S. N. Electric & Maintenance Pvt. Ltd.
Mazzanine Floor, Plot No.17, Block-C,
Paramount Tower, C.C Janakpuri,
New Delhi-110058.

Name of Work: Construction of Cargo complex at Srinagar Int'l Airport, Srinagar.
SH: Electrical Works.

Ref: 1. Tender id: (2021_AAI_69146_1), your price bid opened on dt: 26.03.2021.

Sir,

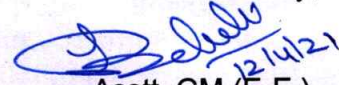
1. Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you, totaling to **Rs. 1,72,61,665.75/- (Rupees One Crore Seventy Two Lakhs Sixty One Thousand Six Hundred Sixty Five & Seventy Five Paise Only)** excluding GST which is 18.45% below of the estimated cost put to the tender of **Rs. 2,11,68,328/-**
2. JGM Engg- (E), AAI, Srinagar Int'l. Airport, Srinagar, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the JGM Engg- (E) AAI, Srinagar Int'l. Airport, Srinagar within **15 days from the issue of this letter i.e. by 27.04.2021 to sign and complete the contract agreement**. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 100/-** and the cost of the stamp paper shall be borne by you.
3. The earnest money amount of **Rs. Nil** received along with your tender will be treated and converted as part of security deposit as per condition of clause 1A of GCC on page no. 14 & 15 of contract document. Please deposit **Rs. 17,26,167/- (Seventeen Lakhs Twenty Six Thousand One Hundred & Sixty Seven Only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of clause 1A of GCC on page no. 14 & 15 of contract document.
4. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment & Condition of Service) Act 1996, Building and other Construction Workers Welfare Cess Act 1996 as specified in clause 18(B), clause 19, clause 19A to M, clause 20 & 20A from page no. 37 to 42 of GCC of Tender & Rules of central and State Government.
5. You are also directed to contact Asstt. General Manager Engg. (E), AAI, Srinagar Int'l Airport, Srinagar immediately who will arrange to hand over the site to you.
6. Please note that the time allowed for carrying out the work shall be **04 (Four) Months** and same shall be reckoned from the 10th day after issue of this letter.

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7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge i.e. JGM (Engg-E), AAI, Srinagar Int'l Airport, Srinagar-190007.
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,

Yours Faithfully,



Asstt. GM (E-E.),

For and on behalf of Chairman, AAI.
Srinagar Int'l Airport, Srinagar.

Enclosed: SOQ (01 to 13 Pages).

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
1	SH-I: INTERNAL & EXTERNAL ELECTRICAL INSTALLATIONS				
2	Supply of 2'X2' recess/ surface mounting 34/36W full window LED light fixture having white powder coated CRCA housing with heat sink, driver and front frame with translucent cover complete with all accessories as per technical specifications of tender document.	125.00	Nos.	1286.25	160781.25
3	Supply of 60W Highbay fitting made of powder coated Aluminium housing having operating Voltage Range of 140 to 270V AC supply complete with all accessories as per technical specifications of tender document.	15.00	Nos.	3057.00	45855.00
4	Supply of 80W Highbay fitting made of powder coated Aluminium housing having operating Voltage Range of 140 to 270V AC supply complete with all accessories as per technical specifications of tender document.	60.00	Nos.	3431.25	205875.00
5	Supply of 100W Highbay fitting made of powder coated Aluminium housing having operating Voltage Range of 140 to 270V AC supply complete with all accessories as per technical specifications of tender document.	20.00	Nos.	3339.00	66780.00
6	Supply of 15/ 18 watt round/square shape recess mounted LED Down lighter complete with all accessories as per technical specifications of tender document.	20.00	Nos.	397.50	7950.00
7	Supply of 1820 watt LED Batten of 4ft complete with aluminium extruded LED tube complete with all accessories as per technical specifications of tender document.	20.00	Nos.	219.75	4395.00
8	Supply of 10W Mirror LED Light luminaire complete with all accessories as per technical specifications of tender document.	10.00	Nos.	180.75	1807.50
9	Supply of 70 watt LED Street light with pressure die- cast aluminium cover on both side for holding extruded aluminium heat sink, with heat resistant toughened glass with control gear complete with all accessories as per technical specifications of tender document.	20.00	Nos.	2214.75	44295.00
10	Supply of 1200mm dia sweep ceiling fan copper wound with double ball bearings, blades white in color, ISI marked complete with capacitor, down rod, split pin, reel but without regulator complete as required.	5.00	Nos.	1545.00	7725.00
11	Supply of 300mm dia sweep wall fan with Oscillating type complete with built in String type speed regulator and mounting arrangement. (Similar to Havells make - SWING HS or equivalent)	25.00	Nos.	1703.25	42581.25
12	Supply of 450mm dia sweep Heavy duty wall mounted air circulator oscillating type, Hi speed with 3 speed push buttons, RPM>=1400, with guard and mounting arrangement. (Similar to Bajaj make - Supreme plus air circulator 450 mm wall or equivalent)	20.00	Nos.	3006.75	60135.00
13	Supply of 300 mm Exhaust Fan suitable for operation on 230 volt AC supply	12.00	Nos.	1084.50	13014.00
14	Supply of 450mm dia heavy duty exhaust fan having 1400 rpm suitable for operation on 230 volt AC supply	6.00	Nos.	2336.25	14017.50
15	Supply of 35 Ltr Capacity storage type Geyser ABS body suitable for 230V single phase 50Hz A.C supply with all accessories. (Make-Havells/Bajaj or Equivalent)	4.00	Nos.	7365.00	29460.00
16	Installation, testing and commissioning of pre-wired, LED fitting with driver/ fluorescent fitting / compact fluorescent / street light on Pole & Boundary light with L shape bracket/ fitting of all types, complete with all accessories . directly on ceiling/ wall/ surface, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	290.00	Each	147.00	42630.00
17	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.	5.00	Each	149.25	746.25
18	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	18.00	Nos.	317.25	5710.50
19	Upto 450 mm sweep				
19.1	Installation of Bracket mounted/Wall mounted fan in wall/Pillars i/c connection, testing, commissioning etc. as required.	45.00	Nos	15.00	675.00
20	Upto 450 mm sweep	4.00	Nos	400.00	1600.00
21	Installation, Testing & commissioning of existing 35 Ltr storage type Geyser etc as reqd.				
21.1	Supply of following size of 1.1 kv grade multicore aluminium conductor, XLPE insulated and PVC sheathed armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments.	210.00	Mtr.	92.25	19372.50
21.2	4core x 10 sqmm	240.00	Mtr.	109.50	26280.00
21.3	4 core x 16 Sq.mm.	486.00	Mtr.	132.75	64516.50
21.4	3.5 core x 25 Sq.mm	135.00	Mtr.	215.25	29058.75
21.5	3.5 core x 40 Sq.mm.	2500.00	Mtr.	1299.00	3247500.00
22	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/HUME/ METAL/PVC pipe as required				
22.1	Upto 35 sq. mm	200.00	Mtr	27.00	5400.00
22.2	Above 95 sq. mm and upto 185 sq. mm	100.00	Mtr	56.25	5625.00
22.3	Above 185 sq. mm and upto 400 sq. mm	2300.00	Mtr	98.25	225975.00
23	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
23.1	Upto 35 sq. mm	145.00	Mtr	20.25	2936.25
23.2	Above 95 sq. mm and upto 185 sq. mm	20.00	Mtr	45.75	915.00
23.3	Above 185 sq. mm and upto 400 sq. mm	80.00	Mtr	84.00	6720.00

SCHEDULE OF QUANTITY					
Sl.No	Description of Item	Qty	Unit	Rate	Amount
24	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
24.1	Upto 35 sq. mm	20.00	Mtr	146.25	2925.00
24.2	Above 95 sq. mm and upto 185 sq. mm	20.00	Mtr	171.00	3420.00
24.3	Above 185 sq. mm and upto 400 sq. mm	20.00	Mtr	209.25	4185.00
25	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Tagging on both the ends will be done with aluminium tags etc. complete as required.				
25.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	360.00	Mtr	28.50	10260.00
26	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.				
26.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	155.00	Mtr	33.75	5231.25
26.2	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	10.00	Mtr	106.50	1065.00
26.3	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	40.00	Mtr	159.00	6360.00
27	Supplying and making indoor end termination with brass single compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor armoured cable of 1.1 KV grade as required.				
27.1	4 core x 10 Sq. mm.	20.00	Set	191.25	3825.00
27.2	4 core x 16 Sq. mm.	10.00	Set	218.25	2182.50
27.3	3.5core X 25 Sq. mm.	10.00	Set	218.25	2182.50
27.4	3.5core X 50 Sq. mm.	6.00	Set	288.00	1728.00
27.5	3.5 core X 400 Sq. mm.	8.00	Set	1056.75	8454.00
28	Supply & Laying of following size DWG HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part-II complete with filling and cutting, jointing etc direct in ground (75 cm below ground level) including excavation & refilling the trench but excluding sand cushioning and protective covering etc. complete as required.				
28.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	150.00	Mtr	183.00	27450.00
29	Supply & Laying of 160 mm (OD) PN8, PE80 HDPE pipe conforming to IS:4984-2016 with upto date amendments, through trenchless technology /HDD method, by drilling the bore of suitable dia directly in ground upto the depth of 3 meters from the ground level including necessary pipe jointing, coupling, splicing etc complete in all respect as required	2300.00	Mtr	1430.00	3289000.00
30	Supply and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/XLPE aluminium conductor cable, etc complete as required.				
30.1	3.5 X 400 sq. mm	4.00	Set	5772.75	23091.00
31	Providing an laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) etc. including form work etc. as required in excavated trench for road crossing of cable in pipe.	3.00	Cum	6386.25	19158.75
32	Supplying and fixing cable route marker with 10cmx10cmx 5 mm thick GI Plate with inscription thereon , bolted/ welded to 35x35x6 mm angle iron of 60 cm long and fixing the same in ground as required	20.00	Each	263.25	5265.00
33	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
33.1	150 mm width X 50 mm depth X 1.6 mm thickness	100.00	Mtr	563.25	56325.00
33.2	300 mm width X 50 mm depth X 1.6 mm thickness	25.00	Mtr	765.00	19125.00
34	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
34.1	150 mm width X 50 mm depth X 1.6 mm thickness	10.00	Each	1021.50	10215.00
34.2	300 mm width X 50 mm depth X 1.6 mm thickness	2.00	Each	1497.75	2995.50
35	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required				
35.1	150 mm width X 50 mm depth X 1.6 mm thickness	2.00	Each	1113.75	2227.50
35.2	300 mm width X 50 mm depth X 1.6 mm thickness	2.00	Each	1746.00	3492.00
36	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Cross member" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required				
36.1	150 mm width X 50 mm depth X 1.6 mm thickness	1.00	Each	1110.00	1110.00
36.2	300 mm width X 50 mm depth X 1.6 mm thickness	1.00	Each	1900.00	1900.00

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
37	Galvanised iron cable tray "Reducer" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.				
37.1	150 mm width X 50 mm depth X 1.6 mm thickness	2.00	Each	1554.75	3109.50
37.2	300 mm width X 50 mm depth X 1.6 mm thickness	2.00	Each	2289.00	4578.00
38	Supplying and fixing 6 way, polycarbonate type SPN with Acrylic door, MCB distribution board 230 V, on surface, complete with linned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, including earthing etc. as required. (But without MCB/RCCB/ Isolator)	11.00	Each	1452.00	15972.00
39	Supplying and fixing 25 A rating, Single pole and neutral, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	11.00	Each	475.50	5230.50
40	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/ Isolator)				
40.1	6 way (4+18), Double door	2.00	Each	3228.75	6457.50
41	Supplying and fixing 5 amps to 32 amps rating, 240 volts miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connection, testing and commissioning etc. as required.				
41.1	Single Pole 'C' series	342.00	Each	174.00	59508.00
42	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required				
42.1	40 Amps	5.00	Each	727.50	3637.50
42.2	63 Amps	7.00	Each	733.50	5134.50
43	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.	15.00	Nos	1077.00	16155.00
44	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recess steel conduit as reqd.				
44.1	2 x 1.5 sq. mm. + 1 x 1.5 sq. mm. earth wire	100.00	Mtr	181.50	18150.00
44.2	2 x 2.5 sq. mm. + 1 x 2.5 sq. mm. earth wire	100.00	Mtr	200.25	20025.00
44.3	2 x 4 sq. mm. + 1 x 4 sq. mm. earth wire	100.00	Mtr	230.25	23025.00
44.4	4 x 2.5 sq. mm. + 2 x 2.5 sq. mm. earth wire	100.00	Mtr	296.25	29625.00
44.5	4 x 4 sq. mm. + 2 x 4 sq. mm. earth wire	100.00	Mtr	354.75	35475.00
45	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 / recess 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.				
45.1	Group C	100.00	Point	1060.50	106050.00
46	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	30.00	Point	618.00	18540.00
47	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 existing surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required	50.00	Point	318.75	15937.50
48	Wiring for twin control light point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way 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.	5.00	Point	1128.00	5640.00
49	S/F light plug point Modular type accessories: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	50.00	Each	350.25	17512.50
50	S/F power plug point modular type accessories: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	30.00	Nos	432.75	12982.50
51	Supplying and fixing call bell(Ding-Dong) suitable for A.C. single phase, 230 volts, complete as required.	13.00	Nos	80.25	1043.25
52	Supplying and fixing following size/modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required	55.00	Nos	150.00	8250.00
52.1	1 or 2 Module (75 mm X 75 mm)	30.00	Nos	450.00	13500.00
52.2	6 Module (200mmX75mm) (Computer Point)				

SCHEDULE OF QUANTITY					
S/No	Description of item	Qty	Unit	Rate	Amount
53	Supplying and fixing following modular type switch/socket on the existing switch box/cover including connections etc. as required.				
53.1	Telephone socket outlet with shutter	25.00	Nos	104.25	2606.25
53.2	TV antenna socket outlet	5.00	Nos	104.25	521.25
53.3	RJ-45 socket outlet with shutter	25.00	Nos	357.00	8925.00
53.4	5/6 A switch	60.00	Nos	74.25	4455.00
53.5	3 pin 5/6 A socket	60.00	Nos	96.75	5805.00
53.6	15/16 A switch	40.00	Nos	115.50	4620.00
53.7	6 pin 15/16 amp socket outlet	40.00	Nos	153.00	6120.00
54	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	55.00	Nos	27.75	1526.25
55	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	5.00	Nos	299.25	1496.25
56	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
56.1	3x 1.5 sq. mm	400.00	Mtr	47.25	18900.00
56.2	6 x 1.5 sq. mm	600.00	Mtr	75.00	45000.00
56.3	3 x 2.5 sq. mm	400.00	Mtr	65.25	26100.00
56.4	6 x 2.5 sq. mm	600.00	Mtr	106.50	63900.00
56.5	3 x 4 sq. mm	500.00	Mtr	102.00	51000.00
56.6	6 x 4 sq. mm	500.00	Mtr	193.50	96750.00
56.7	3x 6 sq. mm	100.00	Mtr	146.25	14625.00
57	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels	10.00	Mtr	244.50	24450.00
58	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	15.00	Cum	267.75	2677.50
59	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with Al. foil & Al. braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	50.00	Mtr	28.50	1425.00
60	Supplying and fixing of suitable size of telephone distribution (DP) boxes made of 2 mm thick GI sheet, powder coated including krone modules with all mounting accessories including necessary termination.	2.00	Nos	561.00	1122.00
60.1	20 Pair				
61	Supply & laying, connection, testing & commissioning of following multi core copper conductor of 0.50 mm nominal dia telephone armoured cable conforming to IS:1554(Part-1)	125.00	Mtr	133.50	16687.50
62	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
62.1	4 Pair	500.00	Mtr	25.50	12750.00
63	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
63.1	1 run of Cable	50.00	Mtr	42.75	2137.50
63.2	2 run of Cable	100.00	Mtr	72.00	7200.00
63.3	3 run of Cable	100.00	Mtr	99.75	9975.00
64	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.				
64.1	20 mm	200.00	Mtr	127.50	25500.00
64.2	25 mm	200.00	Mtr	144.00	28800.00
64.3	32 mm	100.00	Mtr	177.75	17775.00
65	Supply of 08 meters height GI OCTAGONAL pole continuously tapered galvanised street light pole with maximum 1.5 meter long single arm GI bracket (length of bracket shall be based on design) for installation of LED street light luminaire and fabricated out of 3 mm MS plate in single section, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick bakelite sheet with 32 Amp heavy duty connector for loop in loop out cable terminations suitable for upto two numbers 4 core 06 Sq.mm cables & 0.5A DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required & as specified.	10.00	Nos	11843.25	118432.50

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
66	Erection of metallic OCTAGONAL pole of length 08 meter in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including i/c making the foundation, excavation and refilling etc. as required.	10.00	Nos	8029.50	80295.00
67	LT Panel Design, fabrication, assembling, supply, installation, testing and commissioning of cubicle type TTA LT panels, suitable for 415 V 3 phase, 4 wire 50 Hz AC supply system fabricated in compartmentised design from CRCA sheet steel of 2 mm thick for frame work IP 42 and covers, 3 mm thick for gland plates i/c cleaning and finishing complete with powder coating in approved shade, extendable type TPN aluminium alloy busbars of high conductivity, DMC/SMC busbar supports, with 2 Nos. earth studs, solid connection from main busbar to switchgears with require size of aluminium busbar & control wiring with 1.5 sqmm FRLS insulated copper conductor cable, cable alleys, cable gland plates i/c accessories as per tender technical specifications and providing following switchgears, metering instruments etc. as detailed below; (a) INCOMER :- (i) 2 Nos. MCCB, 400A, 35 kA, Four Pole, with thermal magnetic adjustable release having adjustable over Current, adjustable Short Circuit, (Ics=Icu) along with Direct Rotary handle and spreader link. (ii) 1 nos. Digital Voltmeter of suitable range for 3 phase, 4 wire operation with LED display and built-in selector switch along with suitable no. of 2 Amp. SP MCBs. (iii) 1 Set Indication Lamps, LED type, R, Y, B and breaker 'ON', 'OFF'. 'TRIP' lamps each with 2 Amp. SP MCB. (iv) 96 mm sq. Flush pattern Digital Type Ammeter of suitable range (to measure 0-400A), for 3 phase 4 wire operation with LED display and selector switch with 3 numbers suitable range C.Ts. of class 1.0 accuracy, 15 VA burden - 1 set. (b) BUS- COUPLER (i) 1 Nos. MCCB, 400A, 35 kA, Four Pole, without thermal magnetic adjustable release having adjustable over Current, adjustable Short Circuit, (Ics=Icu) along with Direct Rotary handle and spreader link. (ii) 1 Set Indication Lamps, LED type, breaker 'ON' & 'OFF', SP MCB. (c) Busbar:- 415 V, 500 Amps, TPN Aluminium Busbars with Heat shrinkable color coded insulation sleeves. (d) Outgoing:- (i) 2 Nos. of 100 Amps, 415V, 35 kA, FP MCCB with Thermal magnetic Based releases having O/C, S/C along with following (ii) 8 Nos. of 63 Amps, 415V, 35 kA, FP MCCB with Thermal magnetic Based releases having O/C, S/C along with following (iii) 8 Nos. of 40 Amps, 415V, 35 kA, FP MCCB with Thermal magnetic Based releases having O/C, S/C along with following 68 High Mast: Design, supply, installation, testing and commissioning of 16M high mast shaft in two section suitable for 55 m/sec wind speed along with head frame, luminaires carriage suitable for 8 luminaires in symmetrical arrangement and other accessories manufactured in factory with the following accessories etc, as required as per the additional specification. (i) Raising lowering system comprising double drum winch, 8mm diameter SS wire rope, trailing cable, connector, integral power tool motor, manual handle, junction box, lightning finial. (Wiring material from JB to individual lumi (ii) Foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template including RCC/CC foundation as recommended by the OEM for installation of above high mast. (iii) Supply & installation of 08 nos. 200W LED Flood Light having Lumen output minimum 24000 Lumens, IP 66, IK08 (iv) Supply & installation of LED type single dome aviation obstruction light. (v) SITC of outdoor stand mounted feeder pillar with 32A TPN MCB incomer, single dial time switch, 25A TP contactor for the automatic switching of luminaires, power tool control with 2 no 9A contactors and raise lower push button, Incoming 35 sq. mm and out going 16 & 2.5 sq. mm terminals. 69 SH-I: EARTHING, LIGHTNING ARRESTER & SURGE PROTECTION 70 Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. 71 Supplying and laying 6 SWG G.I. wire at 0.50 meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required 72 Supplying and laying 25 mm X 5 mm G.I. strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm) 73 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 74 Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required 75 Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required 76 Supply & Installation of 8mm Aluminium Solid Round Conductor to make horizontal air terminal at terrace, grid size shall be as per drawing to meet the requirements for IS/IEC 62305 and IEC 62561-2. Conductor should be tested for its Electrical, Mechanical and Chemical properties as per IEC 62561. test certificate should be provided by the manufacturer.	1.00	Job	304984.50	304984.50
69	SH-I: EARTHING, LIGHTNING ARRESTER & SURGE PROTECTION	8.00	Set	3525.75	28206.00
70	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	50.00	Mtr	38.25	1912.50
71	Supplying and laying 6 SWG G.I. wire at 0.50 meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required	50.00	Mtr	114.75	5737.50
72	Supplying and laying 25 mm X 5 mm G.I. strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	40.00	Mtr	422.25	16890.00
73	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	50.00	Mtr	180.00	9000.00
74	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	200.00	Mtr	49.50	9900.00
75	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	250.00	Mtr	192.75	48187.50
76	Supply & Installation of 8mm Aluminium Solid Round Conductor to make horizontal air terminal at terrace, grid size shall be as per drawing to meet the requirements for IS/IEC 62305 and IEC 62561-2. Conductor should be tested for its Electrical, Mechanical and Chemical properties as per IEC 62561. test certificate should be provided by the manufacturer.				

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
77	Supply & Installation of aluminium ferrule for extension of 8 mm solid aluminium conductors .	15.00	Nos	116.25	1743.75
78	Supply & Installation of stainless steel holder at every one metre for roof and wall (shear area)suitable 8 / 10 mm round conductor for Metal Roof sheet components are meet the requirements for IS/IEC 62305 and should be tested for its Electrical, Mechanical and Chemical properties as per IEC 62561. Test certificate should be provided by the manufacturer.	250.00	Nos	330.75	82687.50
79	Supply & Installation of heavy duty adhesive glue to stainless steel roof conductor holder on Metal Roof sheet for horizontal Air terminal.	2.00	bottle	4919.25	9838.50
80	Supply & Installation of Stainless steel cross connector suitable for 8 / 10 mm round conductor ,components meet the requirements for IS/IEC 62305 and should be tested for its Electrical,Mechanical and Chemical properties as per IEC 62561. Test certificate should be provided by the manufacturer.	50.00	Each	602.25	30112.50
81	Supply & Installation of Expansion Piece with ferrule to compensate the expansion and contraction of Solid Round Al Conductor during temperature variations, to be provided on conductors length over 20 meters or as per drawing, components are to meet the requirements for IS/IEC 62305. Tested for its Electrical, Mechanical and Chemical properties as per IEC 62561.	20.00	Nos	492.00	9840.00
82	Supply & Installation of bridging cable to connect horizontal air terminal to connect with the metal column all components are to meet the requirements for IS/IEC 62305. Tested for its Electrical, Mechanical and Chemical properties as per IEC 62561.	20.00	Nos	891.00	17820.00
83	Supply & Installation of Stainless steel Conductor Holder for holding the down conductor on the bricks wall at every one metre, meet the requirements of IS/IEC 62305. Tested for its Electrical,Mechanical and Chemical properties as per IEC 62561.	20.00	Nos	282.00	5640.00
84	Supply & Installation of Lighting counter - LCD screen shows the number of lightning strikes, hour and date of lightning events Buttons enable TIME/DATE setting and log viewing. Replaceable battery, working life minimum five years, meet the requirements for IS/IEC 62305 and IEC 62561-2. Tested for Electrical Mechanical and Chemical as per IEC 62561.	1.00	Nos	30512.25	30512.25
85	Supply & Installation of 10mm copper bonded steel solid conductor for ring Earthing, all down conductor shall connected with Ring earthing . Conductor should be minimum 100 micron copper bonded and CPRI Tested for short circuit current min 12 kA peak. Conductor shall be horizontal laid in soil at min. 600mm below ground level and 1 metre distance from the building wall, components should to meet the requirements of IS/ IEC 62305 and IEC 62561-2	80.00	Mtr	626.25	50100.00
86	Supply & Installation of UL listed maintenance free copper coated earth rod with 250 micron copper coating with clamp made of stainless steel for terminating cable / flat conductor. PP material inspection pit which can handle 5 kN point load. Earth enhancing mineral (PROSAN) compound tested for Leaching & TCLP with NABL accredited lab. The systems shall be conforming to IS 3043, IS / IEC 62305, IEC 61643-5-54, UL 467 and the rod tested for dimension, marking, tensile strength, salt mist, coating thickness, electrical resistivity test before and after corrosion test etc as per IEC 62561-2. Set Consist of following BOM (1) Earth rod of 3 mtr length having the dia of 14.2 mm (2) 12.5 Kg bag x 2 nos (3) Universal Clamp SS (4) Chamber Inspection Pit) made up of PP material.	14.00	Set	12525.75	175360.50
87	Supply & Installation of Testing & commissioning of Type 1 SPD according to EN 61643-11, Lightning current & Surge Protection Device at mains LT panel (3 phase, 415 V) for (LN) Single-pole combined lightning current and surge arrester with Follow current extinguishing capability: up to 100 kAms;Energy-coordinated according to IEC 62305-4 with arresters of the RadLine series and terminal equipment, Temporary overvoltage (TOV) 440 V/120 min. withstand, remot signalling P/N: 961205, and Type 1 SPD according to EN 61643-11, Lightning current & Surge Protection Device at mains LT panel (3 phase, 415 V) for (NPE) Single-pole combined lightning current arrester, Lightning impulse current (10/350): 100 kA;Follow current extinguishing capability: 100 Arms at 255 V a.c. TOV resistance: 1200 V/200 ms; with remote signalling with MCB 4 Pole 63 amp Heavy duty transparent enclosure IP-67, and KEMA Approved P/N:961185 Make Dehn.	1.00	Set	66243.75	66243.75
88	Supply, Installation, testing and commissioning of 240 kA 3 phase 4 wire Digital Portable Low Impedance equipment Grounding & bonding system with built in 100% Lightning and Surges suppressor, static charge, Noises, ESD, EPR and abnormal electrical characteristics eliminator which enter from power and other service lines and ensuring clear bonding point (earth to Neutral voltage) less than 1.0V, a digital 6 digit lightning surge counter, self health visual status indicator, built in Aerosol based fire Extinguisher and ON-LINE remote monitoring facility of Earth-Neutral voltage in a Pre-wired pulverulent body painted metal enclosure to be connected in parallel to the power supply circuit, Conforming to IEC , CE Marked, CPRI tested & ISO 9000 & ISO 14001-2015 certified. Make in India, Model: DSP-Prime-MII-3P4-240	1.00	Job	194775.00	194775.00
89	Supply & Installation of Self actuated (thermally & Electrically non pressurized, Strong & Light weight, impulse dry power Module suitable for extinguish A,B,C & E type of fire for the protection of 15 cu. mtrs volume Model : Buran 2.5 of EPTOS or equivalent of FCDT SOYUZ/Pyrogen to be installed in Switch room	1.00	Job	18682.50	18682.50
90	Supply & Installation of Thermal Activation Device (TAD) Model USP 101 or equivalent	1.00	Job	10891.50	10891.50
91	Supply of Self Operated Aerosol based fire Extinguisher for the protection of 0.1 cubic mtrs of enclosed space using 8 gms. of Aerosol Model: Tor-02A of EPTOS or equivalent of FCDT SOYUZ /Pyrogen	16.00	Each	3418.50	54696.00

SCHEDULE OF QUANTITY

Sl.No	Description of item	Qty	Unit	Rate	Amount
SH-III: FIRE FIGHTING & HYDRANT SYSTEM					
92	SH-III: FIRE FIGHTING & HYDRANT SYSTEM				
93	Providing, laying, testing & commissioning of '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 :				
93.1	25 mm dia.	100.00	RM	385.50	38550.00
93.2	80 mm dia.	150.00	RM	783.00	117450.00
93.3	100 mm dia.	350.00	RM	945.75	331012.50
93.4	150 mm dia.	25.00	RM	1725.00	43125.00
94	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 l/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required.				
94.1	150 mm dia.	250.00	RM	1902.00	475500.00
95	Supplying, fixing, testing and commissioning of butterfly valve of PN1.6 rating with bronze / gunmetal seat duty ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required :				
95.1	80 mm dia	2.00	Set	2552.25	5104.50
95.2	150 mm dia	3.00	Set	3776.25	11328.75
96	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
96.1	25 mm nominal bore	2.00	Each	755.25	1510.50
97	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required.	1.00	Nos	620.25	620.25
98	Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required.	3.00	Nos	1318.50	3955.50
99	Providing & fixing flow switch in following sizes M.S. pipe including connection etc as required.	1.00	Nos	6436.50	6436.50
100	a) 100 mm dia	1.00	Nos	1154.25	1154.25
101	Providing and fixing gunmetal single acting air release valve with screwed inlet 25 mm dia.				
101.1	80 mm dia	1.00	Set	2508.00	2508.00
101.2	150 mm dia	1.00	Set	4301.25	4301.25
103	Supplying and fixing air vessel made of 250 mm dia, 8 mm thick MS sheet, 1200 mm in height with air release valve on top and flanged connection to riser, drain arrangement with 25 mm dia gun metal wheel valve with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required.	1.00	Set	13117.50	13117.50
104	Supplying, laying/ fixing, testing and commissioning of following thickness resin bonded fiber glass pipe section insulation having density 80 kg/cum or mineral wool (non combustible) having density of 144 Kg/ cu m duly covered with a layer of 120 gm/sqm polythene sheet (vapour barrier) on existing pipe and finally applying 0.63mm aluminium sheet cladding complete with type 3, grade 1 roofing feltstrip (as per IS:1322 as amended up to date) at joints etc. as per specifications and as required.				
104.1	25 mm	10.00	Sq. mm	3577.50	35775.00
105	Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal 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 :				
105.1	Single headed Gunmetal	8.00	Set	5049.75	40398.00
106	Supplying and fixing Single headed external yard hydrant valve with 1 No. 63 mm dia instantaneous FM Gunmetal coupling and cast iron wheel, ISI marked, conforming to IS 5290 (type A) with blank Gunmetal/Stainless Steel cap and chain as required :				
106.1	Single headed Gunmetal	4.00	Set	5049.75	20199.00
107	Supplying and fixing first-aid Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following as required. 20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585 20 mm nominal internal dia gun metal globe valve & nozzle. Drum and brackets for fixing the equipments on wall. Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.				
107.1	30 m	4.00	Set	7355.25	29421.00
108	Supplying and fixing of 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required :				
108.1	Gun Metal	16.00	Set	3486.00	55776.00

SCHEDULE OF QUANTITY					
Sl.No	Description of Item	Qty	Unit	Rate	Amount
109	Supplying & fixing 63 mm dia gun metal short branch pipe with 20 mm nominal internal diameter size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required :				
109.1	Gun Metal	8.00	Set	1788.75	14310.00
110	Supplying and fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required	1.00	Each	7830.75	7830.75
111	4 way - 150 mm dia M.S. Pipe Supplying and fixing of Fire Hose Cabinet (External) 900mm x 600 mm x 500 mm made of 2mm thick MS sheet with 6 mm thick glazed glass doors i/c necessary locking arrangements suitable to accommodate external yard hydrant with butterfly valve, 2Nos. 15mtr long Hose pipe, 1No. branch pipe, mounted on wall OR raised brick platform & duly painted with post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant, as required.	4.00	Nos	5847.75	23391.00
112	Providing and fixing Fire Hose Cabinet (Internal) fabricated from 16 gauge M.S. Sheet with single or double glazed front door and locking arrangement, painted "Fire Red" with powder coated paint "Fire Hose" written on front including suitable supports to place 900 mm above ground level, approximately size (minimum) 1200x900x450 mm deep, suitable to house following: (i) Single Headed Outlet - 2Nos. (ii) First Aid Hose Reel (Length of pipe shall be such that nozzle of the hose can be taken into every room and within 6 Mtrs. of any part of the rooms keeping in view layout and obstruction.) - 1 No. (iii) Hose pipe 63 mm dia 15m long with male and female coupling at both ends. - 2 Nos. (iv) Branch pipe 63 mm dia with 20 mm (nominal internal diameter) nozzle and suitable for instantaneous connection. - 1 No	4.00	Nos	7155.00	28620.00
113	Supplying and fixing office plate made out of 6 mm thick stainless steel (Grade 304) with office of required size to be fitted between flange & landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 3.5 kg/cm2 complete as required	4.00	Each	779.25	3117.00
114	Providing, installation, testing and commissioning of stainless steel Y-strainer fabricated out of 1.6 mm thick stainless steel, Grade 304, sheet with 3 mm dia holes with stainless steel flange.				
114.1	150 mm dia.	1.00	Each	6996.00	6996.00
115	Providing, fixing, testing & commissioning of 15mm dia quartzoid bulb type sprinklers of rating 68 degree centigrade with required accessories :				
115.1	Pendent Sprinkler	60.00	Nos	250.50	15030.00
116	Supplying, installation, testing & commissioning of sprinkler flexible pipe (UL Listed) of stainless steel complete with 15 NPT on reducer thread with maximum working pressure of 175 PSI test pressure of 875 PSI (Burst) with branch line (Inlet) 25mm NPT male thread to sprinkler head (Outlet) 15mm NPT female thread with reducer, nipple, 2 side brackets, center bracket, stockbar of following sizes complete as required				
116.1	1000mm long	20.00	Each	781.50	15630.00
117	Electric driven Main Fire Pump: Supplying, installation, testing and commissioning of Electric driven Main Fire Pump suitable for automatic operation and consisting of following, complete in all respects, as required : Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. Suitable HP Squirrel cage induction motor, TEFC, synchronous speed 1500 RPM, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 protection for enclosure, horizontal foot mounted type with Class-F insulation, conforming to IS-325. M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered with anti vibration pads. 2280 lpm at 56 m Head Note: "The head of the pump is selected in a manner so as to give a minimum 3.5kgf/cm 2 pressure at the highest/farthest point.	1.00	Set	187509.00	187509.00
118	Diesel Driven Pump: Supplying, installation, testing and commissioning of diesel engine driven main fire pump suitable for automatic operation and consisting of following, complete in all respects, as required : Horizontal type, multistage, centrifugal pump of cast of iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. Suitable HP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant IS standard complete with auto starting mechanism, 12 /24 volts electric starting equipment, diesel tank, exhaust pipe extended upto 10 m outside pump house duly insulated with 50 mm thick glass wool with 1.0 mm thick aluminium sheet cladding, residential silencer, instruments and protection as per standard specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. as required. M.S fabricated, common base plate, coupling, coupling guard, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered and with anti vibration pads. 2280 lpm at 56 m Head Note: "The head of the pump is selected in a manner so as to give a minimum 3.5kgf/cm 2 pressure at the highest/farthest point.	1.00	Set	385861.50	385861.50

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
119	Jockey Pump: Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required : Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS : 1520. Suitable HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz AC supply with IP 55 class of protection for enclosure, horizontal foot mounted type with Class-F insulation, conforming to IS : 325. M.S.fabricated Common base plate, coupling, foundation bolts etc. as required. Suitable cement concrete foundation duly plastered and with anti vibration pads. 180 lpm at 56 m Head	1.00	Set	91584.00	91584.00
120	Fabrication, supply, installation testing & commissioning of Electrical control panel of cubical construction, floor mounted type, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection with suitable size copper conductor cable/solid copper strip, having switchgears and accessories, mountings and internal wiring, earth terminals, numbering etc. complete in all respect, suitable for main fire pump, pressurisation pump & diesel pump set complete as per CPWD specification with following in coming and Outgoings, suitable for operation on 415V, 3 phase, 50Hz Ac Supply with enclosure protection class IP 42 as required : INCOMING 250A, 50KA 4 Pole MCCB, Ics=100% Icu rating Digital Voltmeter 0-500V with selector switch Digital Ammeter (0-250 A) with selector switch & CTs etc. LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps Bus Bar: Set of Copper Bus Bar 300A OUTGOING (Note : All outgoing feeders for pumps should have digital Ammeter with selector switches, and LED type ON, OFF trip indicating lamps) Main Fire Pump 125 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star/Delta starter suitable for 60 HP pump with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation.	1.00	Set	123066.00	123066.00
120.1	Jockey Pump 63 A, 50kA TPN MCCB, Ics=100% Icu, with suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation.				
120.2	DIESEL ENGINE CONTROL Control for diesel engine comprising Automatic/Manual selector switch & 3 attempts starting device, timers and relays as required, push buttons, start/stop in manual mode indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitable for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 020 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine. System Controller Designing, Supply, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers, Sensors, annunciation window for fault indication, complete as per specification.				
121	Supply, installation, testing and commissioning ISI marked (IS:15683) Fire Extinguisher Carbon-di-oxide type capacity 4.5 Kg. Flat base including valve, discharge hose of not less than 10 mm dia, 1M long and complete in all respects including initial fill with CO2 gas conforming to IS:307-1966 and wall suspension bracket complete as required & as per specifications.	5.00	Nos	6837.00	34185.00
122	Supply, installation, testing and commissioning ISI marked (IS:15683) portable fire extinguisher, water (gas pressure) type capacity 9 kg with gun metal cap and nozzle and complete in all respects including initial fill and wall suspension brackets complete as required & as per specifications.	4.00	Nos	2757.00	11028.00
123	Supply, installation, testing and commissioning of 6kg ABC (Powder Type) Fire Extinguisher, Mild Steel Cylinders (SI) marked fitted with pressure indicating gauge, internal tube, squeeze lever type valve fully charged with ABC 90 powder (Mono Ammonium Phosphate) pressured by Nitrogen complete in all respects including wall suspension bracket complete and conforming to IS:15683 as required and as per specifications	5.00	Nos	2611.50	13057.50
124	Providing & fixing a set of 4 Nos. 9.5 Liter capacity GI bucket painted in post office red colour and written with white paint 'Fire' and mounted on MS angle iron frame with bracket of appropriate size and capacity including filling sand complete as required.	4.00	Job	3378.75	13515.00

SCHEDULE OF QUANTITY					
Sl.No	Description of Item	Qty	Unit	Rate	Amount
SH-V: FIRE ALARM AND DETECTION SYSTEM					
125	Supply, Installation, Testing & Commissioning of Networkable Microprocessor based Intelligent analog Addressable Type Fire Alarm Control Panel of 2 loop Expandable upto 6 Loop, with minimum 320 character graphics / 15000 Pixel / LCD / LED display with touch screen or other keypad and minimum 1000 events history log in the non volatile memory (EPROM). The panel should be equipped with loop capacity to take minimum 240 intelligent addressable detectors/ devices (in any combination) in one loop. Four access levels, capable of taking Protocol Devices, Graphical Display, sufficient number of programmable relay controls for controlling pressurization fans, ventilation fans, fire pump room, monitoring of fire sprinkler and fire hydrant pump etc, suitable for operation at 230 volts, 50 Hz AC power supply including automatic battery charger, 24 volts sealed maintenance free lead acid batteries sufficient for 2 hours normal working and shall be capable of operating the system for 30 minutes during an emergency / fault conditions in addition as required. The panel shall be UL/EN listed (latest Version). It shall have facility to interface (BACNET/ MODBUS/ Open protocol gateway) with Building Management System complete as required.				
126	Supply, Installation, Testing & commissioning of UL/EN listed (latest version) intelligent addressable multi criteria detector {Smoke + heat } with inbuilt fault isolator / Isolator base / Isolator Module and with unique optical sensing chamber, visible LED, fully coated circuit board, 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. (Cost of plug in common base/box shall deemed to be included in cost of detectors)	50.00	Each	2305.50	115275.00
127	Supply, Installation, Testing & commissioning of UL/EN listed (latest version) intelligent addressable Intrinsically Safe Smoke Detector with Protocol converter, barrier and all other accessories for hazardous storage area with visible LED, fully coated circuit board, 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. (Cost of plug in common base/box shall deemed to be included in cost of detectors)	5.00	Each	27825.00	139125.00
128	Supply, installation, testing and commissioning of UL/EN listed (latest version) Intelligent addressable Control Module/ Relay Module (output module) with inbuilt fault isolator / Isolator base / Isolator Module with all fixing accessories like base, base box, self adhesive sticker indicating loop number and address etc. to be installed below / above false ceiling, roof and concealed space, etc. Interconnecting to loop cable complete as required.	10.00	Each	2146.50	21465.00
129	Supply, installation, testing and commissioning of UL/EN listed (latest version) Intelligent addressable Control Module/ Relay Module (output module) with inbuilt fault isolator / Isolator base / Isolator Module for tripping of AHU & Ventilation / pressurisation fans / hoodler complete with termination etc. as required and as per enclosed specifications.	2.00	Each	2782.50	5565.00
130	Supply, installation, testing and commissioning of Response Indicator for getting fire indications of detectors installed above false ceiling area interconnecting to loop cable complete as required.	5.00	Each	556.50	2782.50
131	Supply, installation, Testing & commissioning of UL/EN listed (latest version) intelligent addressable Manual call station (pull/push type) suitable for semi flush mounting with inbuilt fault isolator / Isolator module with double gang outlet box, equipment for key operated test-reset lock, electronic or rotary switches for address setting. Manual pull station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or poly carbonate) with clear operating instruction and the word "FIRE" appearing on the front complete with connections etc. as required and as per enclosed specifications.	10.00	Each	2464.50	24645.00
132	Supply, installation, testing and commissioning of UL/EN listed (latest version) loop powered addressable Hoodler- cum- strobe with inbuilt fault isolator / Isolator module with minimum 90 dB output at a distance of 1 mtr. complete with termination etc. as required and as per enclosed specification.	5.00	Each	4134.00	20670.00
133	Providing, installation, testing & commissioning of UL/EN listed (latest Version) Monitor Module with inbuilt fault isolator / Isolator module (for monitoring different electrical/mechanical device etc) as per specifications.	5.00	Each	2782.50	13912.50
134	Supply and laying of 2C x 1.5 sq. mm. PVC insulated FRLS Armoured copper cable for SLC Loop & Power Supply, confirming to standards and specifications including terminations, connections & all labour and material etc. complete as required (For fire detection signal).	820.00	Mtr	119.25	97785.00
135	Supply, installation testing and commissioning of UL Listed/ EN54 listed, Vds approved beam detectors reflection type with soft addressable intelligent monitor module including power supply unit & other accessories complete as required as per specification.	2.00	Each	49290.00	98580.00
136	SH-V: VRF SYSTEM & High Wall Split A/c's				
137	Supply Installation, Testing & Commissioning of 22 Hp (Heating & Cooling) modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.1 and IEER not less than 6.5. (Make: Toshiba/ Daikin/ Trane)	1.00	Job	325000.00	325000.00
138	Ambient Temp. (+) 35 Deg. Cent. Minimum Tern. (-) 10 Deg. Cent.				

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
139	Supply, installation, testing and commissioning of following minimum capacity VRV/VRF High wall type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.				
139.1	Hi-wall Type with Cordless Remotes for 2.0 HP	12.00	Job	19500.00	234000.00
140	Supply, Installation, Testing and Commissioning of copper Y-Joints suitable for gas and liquid line of VRF System complete as required for the above system.	11.00	Job	2186.25	24048.75
141	Supply, installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :				
141.1	28.6 mm O.D. (insulation : 19 mm)	10.00	Mtr	969.00	9690.00
141.2	22.2 mm O.D. (insulation : 19 mm)	15.00	Mtr	756.00	11340.00
141.3	19.1 mm O.D. (insulation : 13 mm)	15.00	Mtr	618.00	9270.00
141.4	15.9 mm O.D. (insulation : 13 mm)	15.00	Mtr	513.75	7706.25
141.5	12.7 mm O.D. (insulation : 13 mm)	15.00	Mtr	407.25	6108.75
141.6	9.5 mm O.D. (insulation : 13 mm)	55.00	Mtr	289.50	15922.50
141.7	6.4 mm O.D. (insulation : 13 mm)	10.00	Mtr	214.50	2145.00
142	Supply, installation, testing and commissioning of following Drain piping made of rigid uPVC pipe Class - 3 (6 kg/cm ²) conforming to IS 4985-2000 complete with fittings, supports etc. as per specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.				
142.1	40 mm dia				
142.2	25 mm dia	50.00	Mtr	159.00	7950.00
143	Supply, Installation, Testing & Commissioning of Control cum Transmission shielded wiring of 2 core x 1.5 sqmm copper in suitable PVC conduits (Medium Duty) between indoor and out door unit	25.00	Mtr	119.25	2981.25
144	Supply and laying power cable for outdoor & indoor units of following sizes	125.00	Mtr	95.25	11906.25
144.1	2 Core 1.5 Sqmm Cu Cable				
144.2	4 Core 16 Sqmm Cu Cable	40.00	Mtr	119.25	4770.00
145	Supplying and installing 300mm width x 50 mm depth x 1.6 mm thickness size of perforated Hot Dipped Galvanised Iron Cable Tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5% in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts&nuts etc as required	15.00	Mtr	258.75	3881.25
		25.00	Mtr	537.00	13425.00
146	Supply, Filling, Testing & Commissioning of Refrigerant Gas R-410	25.00	KG	637.50	15937.50
147	Supply, Fabrication & fixing of MS Stand suitable for installation of VRF Outdoor Units	1.00	Each	3975.00	3975.00
148	Providing & fixing 63 Amp, 4 pole MCCB complete with MS Enclosure and having following protections i.e under voltage, over voltage, single phase preventor, phase sequence preventor, etc. as required at site.	1.00	Each	3720.00	3720.00
149	SITC of PUSH BUTTON / TOUCH TYPE Centralized Remote Controller for controlling minimum 20 number of Indoor Units.	1.00	Each	41340.00	41340.00
150	Supply, installation, testing & commissioning of following rating, Inverter type, minimum 3 Star rated, Hi-wall, Split air-conditioner with hermetically sealed rotary/ twin rotary/ swing type compressor operating on refrigerant R-404a/ R-410a/ R-32. The body of indoor unit shall be made of ABS/HIPS/GS & having all safety, air filters, evaporator, condenser, cordless remote, electronic operation control & all accessories supplied with the unit by OEM etc as per manufacturer standards suitable for operation on 230 volts, 50 Hz, Single phase, AC supply, complete with refrigerant piping, control & power cable from outdoor to Indoor etc. up to 3 meter complete as required at site.				
150.1	1.4/1.5 TR (Hot & Cold)				
151	Supply and fixing of M S Stand for Out door unit duly painted of approved color & suitable for wall mounting i/c fastners etc, as per requirement of outdoor A.C. units of different capacity & as per approval of EIC, complete as reqd.	13.00	Each	40500.00	526500.00
152	Supply and fixing of Voltage Stabilizer suitable for operation of 1.5 TYR Hot & Cold type Inver Split AC and the Voltage range should be 170-280 volts (model: VS 500, make: V Guard or similar).	13.00	Each	954.75	12411.75
153	Supply & installation of automatic stainless steel hand dryers with powder coated metal body with touch free infra red activation suitable for co-operation on 230 volt, 50 Hz, single phase AC supply with automatic operation along with sensor, timer control, over load protection etc. complete as required. Similar to Make:- Euronics, Model: EH21NW	4.00	Each	4570.50	59416.50
154	Supply, installation Testing Commissioning of water filter cum RO and UV purifier of 50 LPH capacity with TDS controller suitable for open well water and connection with existing water cooler i/c level controller having function of filter change alarm of audible / visual type, auto start and auto off operation, protection from over voltage and over current etc. as required provided with pre filters etc as required. Make: ION Exchange Kent, Hitech, Eureka Forbes or equivalent approved	2.00	Each	38000.00	152000.00
				58299.00	116598.00

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
155	Supply, Installation, Testing and Commissioning of storage type self contained drinking water coolers of 60 ltrs cooling capacity per hours with 80 ltr storage capacity (60/80 ltrs.) conforming to IS:1475-2001 with upto date amendments suitable for operation on 230 volts +/- 10%, 50 Hz, single phase AC supply. The tank and body casing shall be made out from stainless steel SS 304 grade with minimum thickness 0.8 mm. Full width single sheet moulded drain tray to prevent water splash. Top cover insulated fitted with hinges, double gasket all side for avoid dust particles, insects contaminated in the tank. Led bottom sheet should be fitted in between tank and top cover. Compressor and condensing standing base made with heavy guage not less than 1.25 mm and food grade stainless steel to avoid rusting or damage the water coolers. The water cooler shall have 02 numbers faucets and shall confirm as per specification including incoamer cable of suitable rating with 3 pin 15 Amp. plug top etc. complete as required.	2.00	Each	29736.00	59472.00
156	SH- XI- Cold Storage facility				
157	Outer Dimension of Cold Storage Room will be approximately 3.2M x 3.4M x 4.5M Products to be stored will be Plum, Cherries, Apple & Frozen like Meat. Desire Temperature to be achieved : The Cold Room temperature is to be maintained between -4°C to 0°C while the ambient temperature is 35°C. The Pull down time shall be 24 Hours. Digital Temperature Indicator Cum Controller will be provided by Tenderer. Insulation: The Wall & Ceiling Gasket PUF (Polyurethane Foam) Panel Shall be 120 mm thickness Cyclopentane PUF insulated Panels with PPGI (Pre-Painted Galvanized Iron Sheet) finish and thickness should be 0.5 mm. The Anti-Skid floor will be of 60 mm thick floor panel with marine ply 12 mm with 1.2 mm Al. Chequer Sheet. Flush Type Door 34" (W) x 78" (H) with 50% overlap PVC Strip Curtain & View Port (300 x 300 mm). Door safety facility from outside like Al. Kick Plate, light switch, Lock & Key, Door Closure, Safety knob & Safety Alarm etc. reputed make for door accessories Refrigeration Units: Refrigeration System for maintaining temperature in Cold Room, Capacity: 20,000 BTU/H x 2 Nos (1 Working 1 standby). As per specifications i/c copper piping, cabling and starter installation, testing and commissioning refrigeration units as required for one of door opening approximately 10-20 times in day. The refrigerant will be CFC Free (R 404 a/ R 134a). Refrigeration System will be air-cooled type with power supply 430V, 3 Ph, 50 Hz operations along with all necessary associated accessories. Refrigeration System will be included Copper Piping, PVC wire, refrigerant etc between Indoor & Outdoor unit. PVC drain pipes to drain out the condensate from evaporator outlet to the nearest drain pit. Refrigerant piping, control cabling & drain piping up to 5 meters length is included in the scope of this item.	1.00	Set	530898.00	530898.00
158	Outer Dimension of Cold Storage Room will be approximately 3.2M x 2.2M x 4.5M Products to be stored will be Raw Fish, Prawns Pharma, Cut Flowers, Pre-cut Vegetable. Desire Temperature to be achieved : The Cold Room temperature is to be maintained between 0°C to 10°C while the ambient temperature is 35°C. The Pull down time shall be 24 Hours. Digital Temperature Indicator Cum Controller will be provided by Tenderer. Insulation: The Wall & Ceiling Gasket PUF (Polyurethane Foam) Panel Shall be 60 mm thickness Cyclopentane PUF insulated Panels with PPGI (Pre-Painted Galvanized Iron Sheet) finish and thickness should be 0.5 mm. The Anti-Skid floor will be of 60 mm thick floor panel with marine ply 12 mm with 1.2 mm Al. Chequer Sheet. Flush Type Door 34" (W) x 78" (H) with 50% overlap PVC Strip Curtain & View Port (300 x 300 mm). Door safety facility from outside like Al. Kick Plate, light switch, Lock & Key, Door Closure, Safety knob & Safety Alarm etc. reputed make for door accessories. Refrigeration Units: Refrigeration System for maintaining temperature in Cold Room, Capacity: 15,000 BTU/H x 2 Nos (1 Working 1 standby). As per specifications i/c copper piping, cabling and starter installation, testing and commissioning refrigeration units as required for one of door opening approximately 10-20 times in day. The refrigerant will be CFC Free (R 404 a/ R 134a). Refrigeration System will be air-cooled type with power supply 430V, 3 Ph, 50 Hz operations along with all necessary associated accessories. Refrigeration System will be included Copper Piping, PVC wire, refrigerant etc between Indoor & Outdoor unit. PVC drain pipes to drain out the condensate from evaporator outlet to the nearest drain pit. Refrigerant piping, control cabling & drain piping up to 5 meters length is included in the scope of this item.	1.00	Set	384025.50	384025.50

SCHEDULE OF QUANTITY

Sl.No	Description of Item	Qty	Unit	Rate	Amount
159	Outer Dimension of Cold Storage Room will be approximately 3.2M x 2.8M x 4.5M Products to be stored will be Pre-cut Vegetable Desire Temperature to be achieved : The Cold Room temperature is to be maintained between 0°C to 10°C while the ambient temperature is 35°C. The Pull down time shall be 24 Hours. Digital Temperature Indicator Cum Controller will be provided by Tenderer. Insulation: The Wall & Ceiling Gasket PUF (Polyurethane Foam) Panel Shall be 60 mm thickness Cyclopentane PUF insulated Panels with PPGL (Pre-Painted Galvanized Iron Sheet) finish and thickness should be 0.5 mm.. The Anti-Skid floor will be of 60 mm thick floor panel with marine ply 12 mm with 1.2 mm Al. Chequer Sheet. Flush Type Door 34" (W) x 78" (H) with 50% overlap PVC Strip Curtain & View Port (300 x 300 mm). Door safety facility from outside like Al. Kick Plate, light switch, Lock & Key, Door Closure, Safety knob & Safety Alarm etc. reputed make for door accessories. Refrigeration Units: Refrigeration System for maintaining temperature in Cold Room. Capacity: 15,000 BTU/H x 2 Nos (1 Working 1 standby). As per specifications i/c copper piping, cabling and starter Installation, testing and commissioning refrigeration units as required for one of door opening approximately 10-20 times in day. The refrigerant will be CFC Free (R 404 a/ R 134a). Refrigeration System will be air-cooled type with power supply 430v, 3 Ph, 50 Hz operations along with all necessary associated accessories. Refrigeration System will be included Copper Piping, PVC wire, refrigerant etc between Indoor & Outdoor unit. PVC drain pipes to drain out the condensate from evaporator outlet to the nearest drain pit. Refrigerant piping, control cabling & drain piping up to 5 meters length is included in the scope of this item.	1.00	Set	428870.00	428870.00
160	Outer Dimension of Cold Storage Room will be approximately 3.2M x 2.8M x 4.5M Products to be stored will be Raw Fish, Prawns Pharma Desire Temperature to be achieved : The Cold Room temperature is to be maintained between 0°C to 10°C while the ambient temperature is 35°C. The Pull down time shall be 24 Hours. Digital Temperature Indicator Cum Controller will be provided by Tenderer. Insulation: The Wall & Ceiling Gasket PUF (Polyurethane Foam) Panel Shall be 60 mm thickness Cyclopentane PUF insulated Panels with PPGL (Pre-Painted Galvanized Iron Sheet) finish and thickness should be 0.5 mm.. The Anti-Skid floor will be of 60 mm thick floor panel with marine ply 12 mm with 1.2 mm Al. Chequer Sheet. Flush Type Door 34" (W) x 78" (H) with 50% overlap PVC Strip Curtain & View Port (300 x 300 mm). Door safety facility from outside like Al. Kick Plate, light switch, Lock & Key, Door Closure, Safety knob & Safety Alarm etc. reputed make for door accessories. Refrigeration Units: Refrigeration System for maintaining temperature in Cold Room. Capacity: 15,000 BTU/H x 2 Nos (1 Working 1 standby). As per specifications i/c copper piping, cabling and starter Installation, testing and commissioning refrigeration units as required for one of door opening approximately 10-20 times in day. The refrigerant will be CFC Free (R 404 a/ R 134a). Refrigeration System will be air-cooled type with power supply 430v, 3 Ph, 50 Hz operations along with all necessary associated accessories. Refrigeration System will be included Copper Piping, PVC wire, refrigerant etc between Indoor & Outdoor unit. PVC drain pipes to drain out the condensate from evaporator outlet to the nearest drain pit. Refrigerant piping, control cabling & drain piping up to 5 meters length is included in the scope of this item.	1.00	Set	428870.00	428870.00
161	Supplying and Fixing of extra refrigerant piping along with control cable beyond 5 meters against above mentioned items (157 to 160) complete with refrigerant pipe insulation etc.as required	15.00	RMT	954.00	14310.00
	Total Amount Rs.				17261665.75

(Rupees One Crore Seventy Two Lakhs Sixty One Thousand Six Hundred Sixty Five and Seventy Five Paise)

[Signature]
12/04/21

Asstt. General Manager (Engg-E)
AAI, Srinagar Int'l Airport, Srinagar.