



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संख्या: AAI/KSG/AGM(C)/ Power House /WO-8/2021-22/ ५०

SPEED POST/Email
Dated 21/03/2022

सेवा में,

मैसर्स प्रोफिसिओ इंजिनियरिंग एण्ड कन्स्ट्रक्शन प्रा.लि.,
एफ-203, मंगल बाजार, लक्ष्मीनगर,
दिल्ली-110092

M/s Proficio Engineering & Construction Pvt. Ltd.,
F-203, Mangal Bazaar Laxminagar,
Delhi-110092

Name of work:- "Expansion of Existing Power House Building at Kishangarh Airport."

संदर्भ :- दिनांक 11.03.2022 को खोली गई आपकी ई-निविदा। (वित्तीय निविदा)

Reference :- Your e-tender opened on 11.03.2022 (financial bid)

E-bid No. :- 2022_AAI_103282_1

महोदय/ Sir,

- उल्लेखित कार्य हेतु आपकी निविदा संलग्न अनुसूची के अनुसार आपके द्वारा उद्धृत कुल रु 6387062/- (मात्र त्रेसठ लाख सतासी हजार बासठ रूपए) जी एस टी के अतिरिक्त की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि निविदा की अनुमानित लागत रु. 9003666/- (मात्र नब्बे लाख तीन हजार छः सो छियासठ रूपये) से 29.06 प्रतिशत कम हैं।

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 to totaling to **Rs. 6387062/- (Rupees Sixty Three Lakhs Eighty Seven Thousand Sixty Two Only) excluding GST** which is 29.06% below the estimated cost put to tender of **Rs. 9003666/- (Rupees Ninety Lakhs Three Thousand Six Hundred Sixty Six Only).**

- सहायक महाप्रबंधक अभियांत्रिकी (सिविल), भारतीय विमानपत्तन प्राधिकरण, किशनगढ़ हवाई अड्डा, अजमेर इस कार्य के इंजीनियरिंग प्रमारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु 15.04.2022 तक सहायक महाप्रबंधक अभियांत्रिकी (सिविल), भारतीय विमानपत्तन प्राधिकरण, किशनगढ़ हवाई अड्डा, अजमेर के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (मात्र सौ रूपये) के न्यायिकेतर (नॉन- ज्युडिशियल) स्टांप पेपर पर बनाया जाएगा तथा स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी।

Asst. Gen. Manager Engg (C), AAI, Kishangarh Airport, Ajmer shall be the Engineer-in-charge of the work. You are requested to attend the office of the Asst. Gen. Manager Engg (C), AAI, Kishangarh Airport, Ajmer by 15.04.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 100/- (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.

- आपकी निविदा के साथ प्राप्त रु. 180073/- की अग्रिम धन राशि को संविदा दस्तावेज के पृष्ठ जीसीसी-23 पर शर्त 1 A के अनुसार प्रतिभूति जमा के रूप में प्रयुक्त तथा संपरिवर्तित किया जाएगा। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर शेष प्रतिभूति जमा के रूप में रु. 458633/- (मात्र चार लाख अठावन हजार छः सो तेतीस रूपये) जमा करें अन्यथा इस राशि की कटौती आपके चालू बिलों से कर ली जाएगी।

The earnest money amount **Rs. 180073/-** received along with your tender will be treated and converted as part of security deposit as per Condition no. 1A on page no. GCC-23 of contract document. Please deposit **Rs. 458633/- (Rupees Four Lakhs Fifty Eight Thousand Six Hundred Thirty Three**

किशनगढ़ हवाई अड्डा, अजमेर, राजस्थान- 305801 Kishangarh Airport, Ajmer, Rajasthan - 305801

फोन-01463-297107, ईमेल : apdkishangarh@aaiaero Tel: 01463-297107 E-mail: apdkishangarh@aaiaero


21/3/22



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Only) towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted from your RAR bill.

4. आप से अनुरोध है कि आप संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 तथा संविदा श्रम (विनियम एवं उन्मूलन) केन्द्रीय नियम 1971 एवं न्यूनतम मजदूरी अधिनियम के प्रावधानों और केन्द्रीय व राज्य सरकारों के तदसंबंधी नियमों का अनुपालन करें।

You are requested to comply with the provision of contract labour (Regulation & abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules 1971 and minimum wages Act and Rules there of Central and state Govt.

5. आपको कनिष्ठ कार्यपालक (अभि. सि.), किशनगढ़ से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा ही किया जाएगा।

You are also directed to contact JET (Engg - Civil), Kishangarh immediately who will arrange to hand over the site to you.

6. कृपया नोट करें कि कार्य पूरा करने के लिए आपको 04 माह का समय प्रदान किया जाता है। यह समय इस पत्र के जारी होने के दसवें दिन से प्रारम्भ माना जाएगा।

Please note that the time allowed for carrying out the work shall be **04 Months**. It shall be reckoned from the 10th day after the date of issue of this letter.

7. संविदा के संबंध में भविष्य में किसी भी प्रकार का पत्र व्यवहार सामान्यतः इंजीनियर-प्रभारी के नाम से किया जाएगा।

Any further correspondence in connection with the contract should normally be addressed to the Engineer In-Charge.

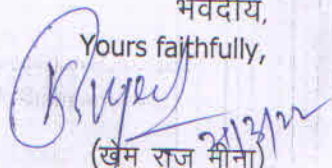
8. कृपया पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप विधिवत् हस्ताक्षर करके हमें वापस भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

संलग्न/Encl: 1. Form-V
2. SOQ

भवदीय,
Yours faithfully,

(खेम राज मीना)

(Khem Raj Meena)

सहा. महाप्रबन्धक (अभि.-सि.)

Asst. Gen. Manager (Engg C)

के लिए एवं तरफ से अध्यक्ष

For and on behalf of Chairman

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

FORM V

FORM OF CERTIFICATE BY PRINCIPAL EMPLOYER

[Under Contract Labour (Regulation & Abolition) Act, 1970]

[Rule 21 (2)]

Certified that I have engaged the applicant "M/s Proficio Engineering & Construction Pvt. Ltd., F-203, Mangal Bazaar Laxminagar, Delhi-110092" as a contractor in my establishment. I undertake to be bound by all the provisions of contract labour (Regulation and Abolition) Act, 1970, and the Central Contract Labour (Regulation and Abolition) Rules, 1973, insofar as the provisions are applicable to me in respect of the employment of contract labour by the applicant in my establishment.

Place:- Kishangarh Airport, Ajmer

Date:-


Signature & Seal of

The Principal Employer

Registration No.:- AJ(R)/21/2013-ALC Dated- 16/12/2013

SCHEDULE OF WORK / ITEM(S)

Name of work : Expansion of Existing Power House Building at Kishangarh Airport

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	367.00	Cum	50.00	18350.00
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. Ordinary rock	102.00	Cum	50.00	5100.00
3.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All Kind of soil	57.00	Cum	50.00	2850.00
4.00	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 : All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	15.00	Metre	100.00	1500.00
5.00	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil	900.00	Sqm	1.00	900.00
6.00	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.	117.00	Cum	50.00	5850.00
7.00	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	36.00	Cum	100.00	3600.00
8.00	Supplying and stacking at site.: Good earth	120.00	Cum	50.00	6000.00
9.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	124.00	Cum	2500.00	310000.00
10.00	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	128.00	Sqm	100.00	12800.00
11.00	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	223.00	Sqm	100.00	22300.00
12.00	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12mm thick.	277.00	Sqm	150.00	41550.00
13.00	Centering and shuttering including strutting, propping etc. and removal of form work for : Columns, piers, abutments, pillars, posts and struts	140.00	Sqm	200.00	28000.00

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Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate	Amount
14.00	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured). Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	247.00	Sqm	100.00	24700.00
15.00	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	7000.00	Kg	70.00	490000.00
16.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	9500.00	Kg	70.00	665000.00
17.00	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 Kg/Cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	70.00	Cum	4000.00	280000.00
18.00	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 Kg/Cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	95.00	Cum	4100.00	389500.00
19.00	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75 mm deep chase	70.00	Metre	100.00	7000.00
20.00	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	18.00	Cum	3500.00	63000.00
21.00	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in :- Cement mortar 1:6 (1 cement : 6 coarse sand)	64.00	Cum	4200.00	268800.00
22.00	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 : Cement mortar 1:6 (1 cement : 6 coarse sand)	112.00	Cum	4300.00	481600.00
23.00	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)	74.00	Sqm	600.00	44400.00
24.00	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	74.00	Sqm	50.00	3700.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
25.00	12 mm cement plaster of mix : 1:6 (1 cement : 6 coarse sand)	467.00	Sqm	100.00	46700.00
26.00	6 mm cement plaster of mix : 1:3 (1 cement: 3 fine sand)	270.00	Sqm	130.00	35100.00
27.00	15mm Cement plaster on the rough side of single or half brick wall or cement concrete surface of mix: 1:6 (1 cement: 6 coarse sand)	526.00	Sqm	200.00	105200.00
28.00	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	467.00	Sqm	80.00	37360.00
29.00	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	647.00	Sqm	60.00	38820.00
30.00	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New work (Two or more coats applied @ 1.43 ltr/ 10 Sqm. over and including priming coat of exterior primer applied @ 2.20 Kg/10 Sqm)	526.00	Sqm	80.00	42080.00
31.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	109.00	Sqm	100.00	10900.00
32.00	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :White Vitreous china Orissa pattern W.C. pan of size 500x440mm with integral type foot rests.	2.00	Each	2500.00	5000.00
33.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic sheat and lid.	4.00	Each	3000.00	12000.00
34.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar taps	2.00	Each	1500.00	3000.00
35.00	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2.00	Each	1500.00	3000.00
36.00	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	2.00	Each	10000.00	20000.00
37.00	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	2.00	Each	300.00	600.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
38.00	Providing and fixing Chlorinated Polyvinyl chloride (CPVC) Pipe having thermal stability for hot & cold water supply all 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 Enggineer inCharge : Concealed work including cutting phases and making good the wall etc. 25 mm nominal outer die pipes .	20.00	Metre	100.00	2000.00
39.00	Providing and fixing Chlorinated Polyvinyl chloride (CPVC) Pipe having thermal stability for hot & cold water supply all 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 Enggineer inCharge : Concealed work including cutting phases and making good the wall etc. 20 mm nominal outer die pipes .	10.00	Metre	120.00	1200.00
40.00	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. 32 mm nominal outer dia Pipes	30.00	Metre	150.00	4500.00
41.00	Providing and fixing CPVC gate valve with handle of approved quality (Screwed end) 25 mm nominal bore	3.00	Each	500.00	1500.00
42.00	Providing and fixing CPVC gate valve with handle of approved quality (Screwed end) 32 mm nominal bore	2.00	Each	700.00	1400.00
43.00	Providing and placing on terrace (at all floor levles) Polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet overflow pipes but without fittings and the base support for tank .	1000.00	Litre	8.00	8000.00
44.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i)Single socketed pipes. 110 mm diameter	85.00	Metre	200.00	17000.00
45.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i)Single socketed pipes. 75 mm diameter	10.00	Metre	210.00	2100.00
46.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion, Shoe (Plain) : 110 mm Shoe	10.00	Each	100.00	1000.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
47.00	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110 mm	20.00	Each	200.00	4000.00
48.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Single tee without door 110x110x110 mm	10.00	Each	200.00	2000.00
49.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 75mm	5.00	Each	200.00	1000.00
50.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 110mm	10.00	Each	100.00	1000.00
51.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Bend 87.5° 110 mm bend	15.00	Each	200.00	3000.00
52.00	Providing and fixing 100 mm sand cast Iron grating for gully trap.	8.00	Each	500.00	4000.00
53.00	Providing and fixing unplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	4.00	Each	800.00	3200.00
54.00	Providing and fixing unplasticised PVC brass unions : 32 mm nominal bore	3.00	Each	500.00	1500.00
55.00	Providing and fixing C.P Brass bib cock of approved quality conforming to IS :8931: 15 mm nominal bore.	6.00	Each	800.00	4800.00
56.00	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	10.00	Each	800.00	8000.00
57.00	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. Size of Tile 600x600 mm	61.00	Sqm	800.00	48800.00
58.00	Providing and fixing 1st quality ceramic glazed 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.	27.00	Sqm	800.00	21600.00

Leaf 1 Summary
JEF-11



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
59.00	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angles 40x40x6 mm for diagonal braces	2.00	Sqm	500.00	1000.00
60.00	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	2.00	Each	300.00	600.00
61.00	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete: 100 mm	4.00	Each	100.00	400.00
62.00	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) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	140.00	Kg	400.00	56000.00
63.00	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) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	135.00	Kg	350.00	47250.00
64.00	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): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	8.00	Sqm	600.00	4800.00
65.00	Providing and fixing aluminium pull bolt lock, 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 bolts, nut and washers etc. complete	30.00	Each	200.00	6000.00

Upil Sharma
Feb 14

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
66.00	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 100 mm	30.00	Each	100.00	3000.00
67.00	Providing and fixing Brass 100mm 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.	6.00	Each	100.00	600.00
68.00	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: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	12.00	Sqm	2500.00	30000.00
69.00	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	13.00	Sqm	10.00	130.00
70.00	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1 mm thick	24.00	Sqm	500.00	12000.00
71.00	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	500.00	Kg	100.00	50000.00
72.00	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover	36.00	Sqm	1800.00	64800.00
73.00	Providing and fixing ball bearing for rolling shutters.	2.00	Each	5000.00	10000.00
74.00	Extra for providing grilled rolling shutters manufactured out of 8 mm dia M.S. bar instead of laths as per design approved by Engineer-in-charge, (area of grill to be measured).	16.00	Sqm	1800.00	28800.00
75.00	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	540.00	Sqm	5.00	2700.00
76.00	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	186.00	Cum	4200.00	781200.00

Leapil Sharmap
26/11/11



Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
77.00	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 caliCum 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.	117.00	Sqm	1300.00	152100.00
78.00	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 300 mm dia. R.C.C. pipe	23.00	Metre	800.00	18400.00
79.00	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints. 200 mm wide	12.00	Metre	1000.00	12000.00
80.00	Providing and fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints. 300 mm wide	18.00	Metre	1000.00	18000.00
81.00	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	54.00	Cum	1800.00	97200.00
82.00	Providing and fixing in position pre-moulded joint filler in expansion joints.	1728.00	Per cm depth per cm width per m length	4.00	6912.00
83.00	Providing and laying in position bitumen hot sealing compound for expansion joints etc. Using grade 'A' sealing compound.	396.00	Per cm depth per cm width per m length	10.00	3960.00

Leaf 1 Shmml
Page 1

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
84.00	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. Group C	30.00	Point	800.00	24000.00
85.00	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. Group C	30.00	point	600.00	18000.00
86.00	Supplying and fixing of 20mm size 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.	350.00	Mtr	120.00	42000.00
87.00	Supplying and fixing of 25mm size 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.	200.00	Mtr	100.00	20000.00
88.00	Supplying and drawing 3 x 2.5 sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	60.00	Mtr	90.00	5400.00
89.00	Supplying and drawing 6 x 2.5 sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	30.00	Mtr	180.00	5400.00
90.00	Supplying and drawing 3 x 4 sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	140.00	Mtr	120.00	16800.00
91.00	Supplying and drawing 6 x 4 sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	120.00	Mtr	180.00	21600.00
92.00	Supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	130.00	Mtr	10.00	1300.00
93.00	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/ PVC conduit as required.	150.00	Mtr	18.00	2700.00
94.00	Supplying and fixing of modular RJ 45 Jack suitable for Cat - 6 Cable on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	6.00	Each	250.00	1500.00
95.00	Supplying and fixing of modular Telephone socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	6.00	Each	80.00	480.00
96.00	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.	4.00	Each	250.00	1000.00
97.00	Supplying and fixing 2 Module (75mmX75mm) GI box alongwith modular base & cover plate for modular switches in recess etc as required.	6.00	Each	180.00	1080.00

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2012



SI.No	Description of Work / Item(s)	No. of Qty	Units	Rate	Amount
98.00	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.	26.00	Each	300.00	7800.00
99.00	Providing and fixing circular/hexagonal GI Box for Ceiling fan clamp, of internal Dia. 140mm, 73mm height, Top LID of 1.5mm thick GI sheet with its Top surface hacked for proper bonding, Top LID shall be screwed into the GI Box by means of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia. M.S. Bar bent to shape as per standard drawing.	4.00	Each	175.00	700.00
100.00	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent/LED 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.	42.00	Each	80.00	3360.00
101.00	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, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	4.00	Each	80.00	320.00
102.00	Installation of exhaust fan upto 450 mm sweep in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	6.00	Each	200.00	1200.00
103.00	Supply of recess mounted 18 W LED downlighter with LEDs of approved makes having high efficiency PMMA diffuser. Specially designed flat opal diffuser fixed to housing, driver installed on housing and prewired upto the terminal block complete as per Technical Specifications suitable for indoor applications.	8.00	Each	400.00	3200.00
104.00	Supply of 600mm x 600mm recess mounted 36 W LED fixture with high efficiency PMMA diffuser complete with driver and accessories complete as per Technical Specifications suitable for indoor applications.	18.00	Each	500.00	9000.00
105.00	Supplying and fixing 8 way (8 + 24), Double door, 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)	2.00	Each	2000.00	4000.00
106.00	Supplying and fixing 6 amps to 32 amps rating, 240 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Single pole in the existing MCB DB complete with connections, testing and commissioning etc. as required.	48.00	Each	150.00	7200.00
107.00	Supplying and fixing 63 Amp, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2.00	Each	800.00	1600.00
108.00	Supplying and fixing 63 Amp, four pole, 415 volts, residual current circuit breaker (RCCB) having a sensitivity current 300 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2.00	Each	2500.00	5000.00
109.00	Supplying and fixing Cable End Boxes (IP 43) suitable for 8 way, Double door TPN MCBDB tripple pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with testing and commissioning etc.	2.00	Each	1200.00	2400.00

Uapil Gurmit
JEE-11

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
110.00	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.	10.00	Each	2500.00	25000.00
111.00	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.	100.00	Mtr	300.00	30000.00
112.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	30.00	Mtr	30.00	900.00
113.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	150.00	Mtr	150.00	22500.00
114.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	150.00	Mtr	20.00	3000.00
115.00	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	2.00	Each	250.00	500.00
116.00	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	10.00	Each	30.00	300.00
117.00	Supply and laying of 70 sq. mm of copper flexible wire for down conductor including all accessories from air terminal to the earth pit complete as required.	25.00	Mtr	350.00	8750.00
118.00	SITC of advance chemical gel maintenance free earthing system of 03 Nos., 3mtr long 50 mm dia GI pipe, steel rod molecularly bonded with 250 microns copper along with 02 nos. bag of chemical Gel per conductor complete as required.	1.00	Set	13000.00	13000.00
119.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Upto 35 sq. mm size in the existing RCC/ HUME/ METAL pipe as required.	10.00	Mtr	2.00	20.00
120.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade Upto 35 sq. mm size in the existing masonry open duct as required.	130.00	Mtr	3.00	390.00
121.00	Laying and fixing of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1 KV grade of Upto 35 sq. mm (clamped with 1mm thick saddle) size on wall surface as required.	40.00	Mtr	10.00	400.00
122.00	Supplying and making end termination with brass compression gland and aluminium lugs for 4 X 25 sq. mm (28mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	6.00	Each	150.00	900.00
123.00	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required.	60.00	Each	500.00	30000.00
124.00	Supplying, installation, testing & commissioning response indicator on surface/ recess MS box having two LEDs metallic cover complete with all connections etc. as required.	30.00	Each	50.00	1500.00

Uapal Group
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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
125.00	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	150.00	Mtr	50.00	7500.00
126.00	Providing, laying, testing & commissioning of 'C' class heavy duty 80 mm Dia MS Pipe conforming to IS 1239/3589 i/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. complete as required.	40.00	mtr	1000.00	40000.00
127.00	Providing, laying, testing & commissioning of 'C' class heavy duty 150 mm Dia MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, corrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. complete as required.	50.00	mtr	1800.00	90000.00
128.00	Providing, laying, testing & commissioning of 'C' class heavy duty, 80 mm Dia., 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.	25.00	mtr	1000.00	25000.00
129.00	Supplying and fixing Single headed, gun metal, external yard hydrant valve with 1 No. 63 mm dia instantaneous FM Gunmetal/Stainless Steel coupling and cast iron wheel, ISI marked, conforming to IS 5290 (type A) with blank Gunmetal/Stainless Steel cap and chain as required	2.00	Each	4000.00	8000.00
130.00	Supplying and fixing 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female gun metal couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required.	4.00	Each	2500.00	10000.00
131.00	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.	2.00	Each	1200.00	2400.00
132.00	Supplying and fixing of hose cabinet of size 900 mm x 600 mm x 500 mm made of 2 mm thick MS sheet with 6 mm thick glazed glass doors i/c necessary locking arrangement suitable to accommodate 2 Nos. 15 mtr. long Hose pipe & 1 No. short 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, suitable for external hydrant, as required.	2.00	Each	2500.00	5000.00
133.00	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze / gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of size 150 mm dia as required :	2.00	Each	4000.00	8000.00

Uapil Singh
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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
134.00	Supply Installation, Testing & Commissioning of 10 HP 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, microprocessor based Controller, top discharge type condensing unit(s), with R410A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHR1 Conditions and work even at 50°C ambient temperature without tripping. The units shall be suitable to work on 400V+/-10%, 3Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required.	2.00	Each	135000.00	270000.00
135.00	Supply, installation, testing and commissioning of 3.2 TR 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multi speed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230V±10%, 50Hz AC supply, complete, as required. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree CD Band 19 Degree CWB temperature.	4.00	Each	20000.00	80000.00
136.00	Supply, installation, testing and commissioning of 2 TR 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multi speed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230V±10%, 50Hz AC supply, complete, as required. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree CD Band 19 Degree CWB temperature.	2.00	Each	15000.00	30000.00
137.00	Supply, Installation, testing and commissioning including vaccumiazation 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 elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines, all accessories as per specifications etc. as required. 22.2 mm (7/8 Inch) OD, 1.00 mm wall thickness, 19mm insulation	100.00	Mtr	550.00	55000.00
138.00	Supply, Installation, testing and commissioning including vaccumiazation 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 elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines, all accessories as per specifications etc. as required. 19.0 mm (3/4 Inch) OD, 1.00 mm wall thickness, 19 mm insulation	100.00	Mtr	500.00	50000.00

Kapil Sharma
Ref. 11



Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate	Amount
139.00	Supply, Installation, testing and commissioning including vaccumiazation 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 elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines, all accessories as per specifications etc. as required. 15.9 mm (5/8 Inch) OD, 1.00 mm wall thickness, 13 mm insulation	150.00	Mtr	480.00	72000.00
140	Supply, Installation, testing and commissioning including vaccumiazation 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 elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines, all accessories as per specifications etc. as required. 12.7 mm (1/2 Inch) OD, 0.80 mm wall thickness, 13 mm insulation	75.00	Mtr	450.00	33750.00
141.00	Supply, Installation, testing and commissioning including vaccumiazation 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 elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquidlines, all accessories as per specifications etc. as required. 9.5 mm (3/8 Inch) OD, 0.80 mm wall thickness, 13 mm insulation	150.00	Mtr	400.00	60000.00
142.00	Providing & fixing control cum transmission wiring of 3 core x 1.5 sq.mm PVC insulated copper conductor shielded flexible wire in Heavy Duty PVC conduits between indoor and outdoor unit and remote control unit.	500.00	Mtr	90.00	45000.00
143.00	Supply & fixing of 25 mm hard PVC drain pipe work complete with fittings, support, valve and 6 mm thick closed Nitrile Rubber form insulation as per site requirement.	150.00	Mtr	100.00	15000.00
144.00	Topping up of R410A Refrigerant in the existing VRV/VRF AC system.	25.00	Kg	500.00	12500.00
145.00	SITC of High Wall single phase, 5-Star inverter type 1.5 TR capacity split type air conditioner unit conforming to IS:1391/Part-2 and latest BEE guidelines fitted with hermetically sealed rotary compressor operating on refrigerant green gas/R-410a gas suitable for single phase, 230V, 50Hz, including standard length of copper refrigerant pipe, copper cable and all other accessories as per OEM specifications capable of performing the functions as cooling, dehumidifying, air circulating and filtering etc. complete as required.	2.00	Each	15000.00	30000.00
146.00	SITC of Weather proof cable junction box made of FRP/GRP with IP 66 protection, suitable size to accommodate FP MCB including supply & fixing of 40 Amp, FP MCB for VRV outdoor unit complete as required.	2.00	Each	4000.00	8000.00
				Total	6387062.00

Wapni Sugrui
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Signature Not Verified

Digitally signed by KHEMRAJ MEENA

Date: 2023.02.25 14:58:54 IST

Location: eProcurement System for Central PSUS