

संदर्भ: भाविप्रा/पुणे/अभि(वि)/फ़ाइल/सीडब्लू-04/2022-23/ 570.

दिनांक: 03.03.2023

सेवा में,
मैसर्स. वोल्तास लिमिटेड,
5/4 चंदन नगर,
नगर रोड, पुणे -411014
ई-मेल आईडी: pdtirodkar@voltas.com
मो.- 9487800401

To,
M/s Voltas Limited,
5/4 Chandan Nagar,
Nagar road, Pune-411014
E-mail Id:
jitendrakajale@voltas.com
Mob.- 9637517317

कार्य आदेश / AWARD LETTER

कार्य का नाम : न्यू टर्मिनल बिल्डिंग के संचालन के लिए संबद्ध विद्युत कार्य। एसएच: पुणे हवाई अड्डे पर फायर पंप रूम का स्थानांतरण.

Name of Work: Associated Electrical works for operationalization of New Terminal Building. **SH: Relocation of Fire pump room at Pune Airport.**

आपका टेंडरआयडी नं.: 2023_AAI_142635_1 की वित्तीय बोली दिनांक 24.02.2023. को खोली गई।

Your tender ID No: 2023_AAI_142635_1 Financial Bid Opened on 24.02.2023.

महोदय/ Dear Sir,

1. ऊपर उल्लेखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी टेंडर राशि कुल रु. **83,33,333.00 (Excluding GST)** (तिरासी लाख तैंतीस हजार तीन सौ तैंतीस मात्र) है जो कि टेंडर की जस्टीफ़ायड राशि रु. 80,22,225.00 (Excluding GST) से 3.87 % उपर है।
1. Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs 83,33,333.00 (Excluding GST)** (Rupees Eighty three Lacs Thirty three thousand three hundred and Thirty three Only) which is 3.87 % above the justified Cost put to tender of Rs. 80,22,225.00 (Excluding GST).
2. संयुक्त महाप्रबंधक, अभि (विद्युत), भाविप्रा पुणे विमानक्षेत्र कार्य के प्रभारी अभियंता होंगे. आपसे निवेदन है कि आप आपकी ओर से एक विश्वसनीय प्रतिनिधि नियुक्ति करें जो करार नामे पर हस्ताक्षर करने के लिए अधिकृत हो। तथा वह दिनांक **15.03.2023** तक संयुक्त महाप्रबंधक, अभि(विद्युत), पुणे एयरपोर्ट के कार्यालय मे उपस्थित हो तथा करार नामे को पूरा करें। ठेके का करार नामा रु. **100/-** नानज्यूडिसियल स्टम्प पेपर पर निष्पादित किया जाएगा तथा पेपर का खर्च आपके द्वारा उठाया जायगा।
2. Jt.G.M. (Engg-E), AAI, Pune Airport shall be the Engineer-In-Charge of the work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office of the Jt.G.M. (Engg-

E), AAI, Pune Airport by **15.03.2023** to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 100/-** (Rupees One hundred only) and the cost of the stamp paper shall be borne by you

3. आपके टेंडर के साथ प्राप्त धरोदर राशि **1,60,445.00** (एक लाख साठ हजार चार सौ पैंतालीस रुपये मात्र) ठेके के दस्तावेज के सामान्य शर्तों के अंतर्गत पृष्ठ संख्या GCC-16 पर शर्त न. 1A के अनुसार जमानत राशि में परिवर्तित कर दी गई है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर जमानत राशि की बकाया रु. **6,72,888.00** (रुपये छह लाख बहतर हजार आठ सौ अठासी मात्र) अदा की जाए अन्यथा निविदा दस्तावेज के कंडीशन 1A पेज संख्या GCC-16 के अनुसार उक्त राशि रनिंग बिल से कटौती की जाएगी।

डी.एल.पी.: डीफेक्ट लाईबिलिटी पीरियड संतोषजनक ढंग काम पूरा होने की प्रमाणित तिथि से 12 महीने है।

3. The earnest money amount of **1,60,445.00** (Rupees One Lakh Sixty Thousand four hundred and forty five Only) received along with your tender will be treated and converted as part of security deposit as per clause 1A on page no. GCC-16 of tender document. Please deposit **6,72,888.00** (Rupees Six Lakhs Seventy Two thousand Eight hundred Eighty Eight only) towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per condition 1A on page no. GCC-16 of the contract document.

DLP: Defect's Liability period is 12 months from the certified date of work completion.

4. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केंद्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधान का अनुपालन करें।
4. You are requested to comply with the provisions of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation & abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
5. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबन्धक (अभि-विद्युत), भाविप्रा, पुणे विमानक्षेत्र से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।
5. You are also directed to Contact Asst. Gen. Manager (Engg-E), AAI, Pune Airport, immediately who will arrange to hand over the site to you.
6. कृपया नोट कर लें कि काम पूरा करने का अवधि छह (06) माह दिनांक **10.03.2023** से **09.09.2023** तक गिना जायगा.
6. Please note that the time allowed for carrying out the work is Six (06) months, which shall be reckoned from the date **10.03.2023 to 09.09.2023**.

7. इस ठेके के संबंध में आगे का कोई भी पत्राचार सहायक महाप्रबंधक (अभि-विद्युत), भाविप्रा, पुणे विमानक्षेत्र के पते पर किया जाए।

7. Any further correspondence in connection with the contract should normally be addressed to the Asst. Gen. Manager (Engg-E), AAI, Pune Airport.

8. कृपया पावती भेजें।

8. Please acknowledge the receipt.

यदि अंग्रेजी और हिन्दी पाठ में कोई अंतर पाया जाता है तो अंग्रेजी विवरण सही माना जाएगा.

If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

धन्यवाद/Thanking You,

भवदीय / Yours faithfully,

सं.म.प्र. (अभि-विद्युत)/Jt. GM. (Engg-E),

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण,

For and on behalf of Chairman, Airports Authority of India.

संलग्न/Encl: Schedule of Quantity.



भारतीय विमानपत्तन प्राधिकरण, पुणे हवाई अड्डा

AIRPORT AUTHORITY OF INDIA
PUNE AIRPORT, PUNE-411032.

SCHEDULE OF QUANTITIES

Name of work : - Associated electrical works for operationalization of New Terminal Building. SH: Relocation of Cooling Tower at Pune Airport

S.N.	Description of Work / Item(s)	No. of Qty	Units	Rate	Amount
1.00	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 : (a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. (b) 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. (c) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Suitable cement concrete foundation duly plastered with anti vibration pads. 2850 lpm at 70 m Head to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet. (The pump shall be capable of giving a discharge of not less than 150% of the rated discharge at a head of not less than 65% of the rated head and Motors for Main fire pumps shall be at least equivalent to the horse power required to drive the pump at 150% of its rated discharge and shall be designed for continuous full load duty.)	Set	2.00	726718.00	1453436.00

2.00	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 : (a) Horizontal type, multistage, centrifugal pump of cast of iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. (b) 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. (c) M.S fabricated, common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Suitable cement concrete foundation duly plastered and with anti vibration pads. 2850 lpm at 70 m Head to ensure a minimum pressure of 3.5 kg/sq.cm. at highest and farthest outlet. (The motor shall be designed at least 20% greater than the maximum HP required to drive the pump at its duty point. It shall also be capable of driving the pump at 150% of the rated discharge at 65% of rated head.)	Set	1.00	1006430.00	1006430.00
3.00	Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required : (a) Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS : 1520. (b) 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. (c) M.S.fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Suitable cement concrete foundation duly plastered and with anti vibration pads. 180 lpm at 70 m Head (HP for pump shall designed considering item no. 01 and 02 above)	Set	2.00	159092.00	318184.00

4.00	Fabrication, supply, Insallation testing & commissioning of Electrical control panel DETAILED DESCRIPTION AS PER SOQ SL. NO. 4 OF TENDER DOCUMENT	Set	1.00	1071893.00	1071893.00
5.00	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 :				
5.01	50 mm dia	Mtr	30.00	1294.00	38820.00
5.02	80 mm dia	Mtr	30.00	1987.00	59610.00
5.03	150 mm dia	Mtr	110.00	3928.00	432080.00
5.04	200 mm dia (wall thickness 6.3 mm)	Mtr	25.00	6215.00	155375.00
6.00	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in/on ground including welding, excavation (if in ground) & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape (if in ground) as per IS 10221, painting, refilling the trench (if in ground) etc. of following sizes complete as required. 150 mm. dia	Mtr	180.00	4289.00	772020.00
7.00	Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets and conforming to IS 780 of following sizes as required :				
7.01	80 mm dia	Set	4.00	17035.00	68140.00
7.02	150 mm dia	Set	7.00	25014.00	175098.00
7.03	200 mm dia	Set	2.00	55114.00	110228.00

8.00	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 following sizes as required :					
8.01	50 mm dia	Set	1.00	4511.00	4511.00	
8.02	80 mm dia	Set	2.00	5321.00	10642.00	
9.00	Providing, installation, testing and commissioning of non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :					
9.01	80 mm dia	Set	2.00	9549.00	19098.00	
9.02	150 mm dia	Set	3.00	24511.00	73533.00	
10.00	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.					
10.01	80 mm dia	Each	2.00	8523.00	17046.00	
10.02	150 mm dia	Each	3.00	20261.00	60783.00	
10.03	200 mm dia	Each	2.00	40562.00	81124.00	
11.00	Supplying and fixing air vessel made of 250 mm dia, 8mm 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.	Set	1.00	59713.00	59713.00	
12.00	Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required.	Each	5.00	2140.00	10700.00	
13.00	Providing & fixing pressure gauge of range 0-14kg/cm2 or more in following sizes M.S. pipe including connection etc as required. 150 mm dia	Each	7.00	4234.00	29638.00	

14.00	Providing, fixing, testing & commissioning of installation control valve of cast iron body, brass/bronze working parts comprising of water motor alarm, bronze seat clapper, clapper arm and hydraulically driven mechanical gong bell to sound continuous alarm when the wet riser/sprinkler system activates, pressure gauges, emergency releases, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box, ball valves, MS pipe of required size, flanges, orifice plate, gasket etc of following sizes as required : 150 mm dia	Set	2.00	129107.00	258214.00
15.00	Providing, Fixing, reinforced neoprene rubber vibration eliminators/expansion joints (to provide relief from stresses at pipe flanges) suitable for upto 16 kg/cm ² pressure, as per specification of the manufacturers complete as required and as specified.				
15.01	150 mm dia	Each	6.00	12589.00	75534.00
15.02	80 mm dia	Each	4.00	8794.00	35176.00
16.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way, Double door	Each	1.00	7101.00	7101.00
17.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240V, residual current circuit breaker (RCCB), having a sensitivity current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 A	Each	1.00	4057.00	4057.00
18.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	Each	6.00	546.00	3276.00

19.00	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	Point	10.00	1144.00	11440.00
20.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	80.00	693.00	55440.00
21.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	40.00	693.00	27720.00
22.00	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 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	6.00	1144.00	6864.00
23.00	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.	Each	2.00	15249.00	30498.00
24.00	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Mtr	30.00	1176.00	35280.00
25.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	50.00	229.00	11450.00

26.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required. 90 mm dia (OD-90 mm & ID-76 mm nominal)	Mtr	150.00	1143.00	171450.00
27.00	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 / DWC HDPE pipe as required. Above 95 sq. mm and upto 185 sq. mm	Mtr	150.00	195.00	29250.00
28.00	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.				
28.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr	60.00	143.00	8580.00
28.02	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Mtr	60.00	183.00	10980.00
28.03	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Mtr	80.00	224.00	17920.00
29.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr	60.00	143.00	8580.00
30.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
30.01	3½ X 95 sq. mm (45mm)	Each	4.00	2398.00	9592.00
30.02	3½ X 150 sq. mm (50mm)	Each	2.00	2532.00	5064.00
30.03	4 X 16 sq. mm (28mm)	Each	4.00	1479.00	5916.00

31.00	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. 225 mm width X 50 mm depth X 1.6 mm thickness	Mtr	60.00	1318.00	79080.00
32.00	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. 225 mm width X 50 mm depth X 1.6 mm thickness	Each	15.00	2998.00	44970.00
33.00	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. 225 mm width X 50 mm depth X 1.6 mm thickness	Each	6.00	3929.00	23574.00
34.00	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. 225 mm width X 50 mm depth X 1.6 mm thickness	Each	6.00	3663.00	21978.00
35.00	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to 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 : 100 mm	Mtr	80.00	2021.00	161680.00

36.00	Supply of PVC/XLPE insulated and PVC sheathed / XLPE of 1.1 KV grade following type armoured power cable conforming to IS 7098 part-I complete as required.					
36.01	4 Core x 6 sqmm. copper conductor	Mtr	100.00	491.00	49100.00	
36.02	4 Core x 16 sqmm. Aluminum conductor	Mtr	70.00	250.00	17500.00	
36.03	3.5 Core x 95 sqmm. Aluminum conductor	Mtr	70.00	792.00	55440.00	
36.04	3.5 Core x 150 sqmm. Aluminum conductor	Mtr	250.00	1289.00	322250.00	
37.00	Supply and fixing of 450mm sweep metal blade exhaust fan suitable for operation on 230 V, 50 Hz, Single phase, A.C supply in the existing opening including connections, testing, commissioning etc. as required	Each	8.00	8794.00	70352.00	
38.00	Supply and fixing of 600mm sweep metal blade metal body industrial wall fan suitable for 240V, 1-ph 50HZ AC supply on wall including connections, testing, commissioning etc. complete as required.	Each	2.00	14086.00	28172.00	
39.00	Supply installation testing commissioning of 4 ft long 36W Surface mounting LED batten 6500K, efficacy >100 lumen/watt, power factor ≥0.95, IP20, CRI ≥80, burning hours 50000 hours, 85% driver efficiency, THD≤10% with 05 years warranty certificate from OEM, made out of CRCA / extruded aluminum/PDC aluminum, mounting clamps, fixing arrangement, LEDs driver, complying with LM 80 & LM 79 etc. complete as required.	Each	6.00	3987.00	23922.00	
40.00	Supply, installation, testing and commissioning of 80W LED steel light 5700K, efficacy >110 lumen/watt, power factor≥0.95, IP65, CRI ≥70, burning hours 50000 hours, 85% driver efficiency, THD≤10% with 05 years warranty certificate from OEM, made out of CRCA / extruded aluminum/ PDC aluminum, heat sink, mounting clamps, fixing arrangement, LEDs driver, surge protection system, cpmlyng with LM 80 & LM 79 etc. complete as required.	Each	16.00	8563.00	137008.00	

41.00	Supply and fixing wall mounting type GI metal bracket for streetlight including clamps, nuts, bolts, screws, making holes on wall etc. complete as required at suitable locations as directed by Engineer-In-Charge.	Each	16.00	1412.00	22592.00
42.00	Supplying, installation, testing and commissioning of electric driven positive suction pump consisting of following complete in all respects, as required : (a) Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal (b) Suitable HP squirell 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 (c) M.S.fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Suitable cement concrete foundation duly plastered and with anti vibration pads (e) Rain shed with enclosure for outdoor use (f) interconnection with suction and discharge pipe line with reducer, flanges, gasket, nuts, bolts etc. Range: 30m-45m head range and 17-10 lps capacity	Each	2.00	112610.00	225220.00
43.00	Supply installation testing commissioning of star-delta starter suitable for up to 12.5 HP pump-motor set including drilling on wall, screws, nuts, bolts, connection with proper lugs etc. and ensuring successful operation of the pump motor set associated with the starter complete as required.	Each	2.00	24051.00	48102.00
44.00	Supply installation testing commissioning of 2HP 1-ph 230V 50Hz dewatering submersible pump including connection, discharge pipe line of minimum 6 mtr long of suitable size etc. complete as required. Make: KSB, Model: AMAPORTER503 SE or equivalent.	Each	2.00	65482.00	130964.00
45.00	Excavation of hard rock including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	Cum	5.00	1698.00	8490.00

46.00	Excavation of soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.	Cum	5.00	1091.00	5455.00
				TOTAL	8,333,333.00

(Rupees Eighty Three Lacs Thirty Three thousand Three hundred and Thirty three Only)

* GST Extra as Applicable

Shil 3-23

सं.म.प्र. (अभि-विद्युत)/Jt.GM (Engg.-Elect
भा.वि.प्रा., पुणे हवाई अड्डा, पुणे / AAI, Pune Airport, Pune