

जाहिर निविदा दरपत्रक

शहर अभियंता, पनवेल महानगरपालिका हद्दीतील खारघर सेक्टर- 10 प्लॉट क्र 251 वर सामाजिक सभागृह बांधणे या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबीकरीता दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील खारघर सेक्टर- 10 प्लॉट क्र 251 वर सामाजिक सभागृह बांधणे.	30/08/2024 ते 08/09/2024 (७ दिवस)

Specifications

SR. No.	DESCRIPTION	QTY	UNIT
1	Supplying and erecting integrated LED Circular Pendant downward 3 rings (2000 ϕ , 1200 ϕ , 600 ϕ). Structure finish of gold. Diffuser material of polycarbobate. Opal diffuser finish and warranty of 5 years. Class1. IP20. Including drivers all required accessories. Maximum power of light source 182.5W. Color temperature of 3000K. Color rendering 90. Hours of life 50000h. Voltage frequency range 90-305/50-60Hz. (Model to be confirmed with architect.)	6	Each
	LT PANEL		
	The LV switchboard shall be type tested assemblies, all type tests as defined in latest IEC 61439-1&2. Also it should comply IEC 61641 Internal arc withstand for 100 kA for 0.3 Sec. LT panels must be built up from compartment housing, circuit breakers, control-gear, relays, busbars, controls and other items of equipment as per BOQ. Low Voltage switchgear & control gear must comply IEC 60 947 /IS 13947.The Short circuit current with minimum duration of 1sec. for LV switchgear panels shall be as indicated in SLD.		
	The LV Main Switchboard shall be identical in mechanical construction to the LV Switchboard which had been type-tested by an acceptable, multi-fold design with impact test IK07-IK10.The design temperature for the equipment provided in the main low voltage switchboards shall be +50°C. the switchboard shall be of form 4b, for form of separation only metallic compartmentalization shall be used, Hylem / PVC sheets shall not be allowed.		
	Switch board panels and cubicles shall be fabricated with CRCA Sheet Steel of thickness not less than 2.0 mm. Busbars shall be made of high conductivity, and high strength Aluminum E91 grade Busbars shall be of rectangular cross sections , not more than 6mm thickness better suitable for full load current for phase bus bars and half/ full rated current for neutral bus bar or as stipulated in schedule of quantities. Busbar shall be suitable to withstand the stresses of fault level as specified in schedule of quantities.		
	The material and the spacing of the Busbar supports should be same as per the type tested assembly. Busbar shall be tin plated with silver contacts.The cables and control wires shall be suitable for withstanding 105 deg C. Paint shall be RAL 7032 powder coated or as per the directives of engineer in charge.		
	All panels must be designed, tested & manufactured as per IEC61439- 1 & 2		

	& IEC 61921 reference standard. (Panels shall be designed as per SLD attached)		
2	LT DISTRIBUTION PANEL	1	Each
	Providing & erecting 2No. 4 Pole MCCB 415V, 400A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel.		
	Supplying and erecting 1No. ON LOAD four pole automatic transfer switch, 415V, 400A, 50 Hz with enclosure, flexibility of neutral connection, line and load reversibility, changeover with phase barriers, source separator, terminal covers along with staggered termination for cable connection and ATS controller with provision of time delay protection of OV, UV, phase sequence changing, single phasing and event logging, connected with provided leads complete complying to IS/IEC 60947-3 Part-1/6.		
	Multifunction meter equivalent to conserv EM 6400 with RS-485 communication port.		
	6 Nos. phase indicating lamps backed up with MCB		
	ON/OFF/Trip indicating lamp on incoming feeder for indicating the status of feeder.		
	Protective devices		
	The Transformer incoming ACB shall be provided with the following protective devices.		
	Combined Under voltage and over voltage relay ,3 Phase with Time delay setting.		
	Separate CT's shall be provided for protective system and measuring system.		
	2 no. of CT on Yellow phase for Automatic power factor correction relay on the incoming breaker.		
	Bus Bar		
	500 Amp. TPN Aluminium Bus Bars of suitable length and of cross section not less than 1.2 sq. mm/ amp.		
	Bus bars shall be insulated by heat shrinkable sleeves and clip on shrouds for joints. Bus Bar shall be designed to withstand a fault level of 58 KA at 415 Volts.		
	All outgoing feeders shall be provided with one sets of ON/OFF lamps with protection MCB, and Ammeter		
	Providing & erecting 2No. 4 Pole MCCB 415V, 320A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		
	Providing & erecting 2No. 4 Pole MCCB 415V, 200A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		

	Providing & erecting 1No. 4 Pole MCCB 415V, 160A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		
	Supplying, erecting & marking 5No. FPMCB 63A, with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB		
	Supplying, erecting & marking 5No. FPMCB 40A, with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB		
	Supplying, erecting & marking 3No. DP MCB 32A, with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB		
	Supplying, erecting & marking 2No. DP MCB 16A, with rated short circuit breaking capacity (Icn) 10kA in provided distribution board as per specification no. SW-SWR/MCB		
	Fire Fighting Panel		
3	Providing & erecting 1No. 4 Pole MCCB 415V, 320A, rated short-circuit breaking capacity 36 kA (Ics=100% of Icu), adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel.	1	Each
	Multifunction meter equivalent to conserv EM 6400 with RS-485 communication port.		
	3 Nos. phase indicating lamps backed up with MCB		
	ON/OFF/Trip indicating lamp on incomer feeder for indicating the status of feeder.		
	Protective devices		
	The Transformer incoming ACB shall be provided with the following protective devices.		
	Combined Under voltage and over voltage relay ,3 Phase with Time delay setting.		
	Separate CT's shall be provided for protective system and measuring system.		
	1 no. of CT on Yellow phase for Automatic power factor correction relay on the incoming breaker.		
	Bus Bar		
	400 Amp. TPN Aluminium Bus Bars of suitable length and of cross section not less than 1.2 sq. mm/ amp.		
	Bus bars shall be insulated by heat shrinkable sleeves and clip on shrouds for joints. Bus Bar shall be designed to withstand a fault level of 58 KA at 415 Volts.		
	All outgoing feeders shall be provided with one sets of ON/OFF lamps with protection MCB, and Ammeter		
	Providing & erecting 1No. 4 Pole MCCB 415V, 250A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		

	Providing & erecting 1No. 4 Pole MCCB 415V, 160A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		
	Providing & erecting 2No. 4 Pole MCCB 415V, 100A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		
	Providing & erecting 4No. 4 Pole MCCB 415V, 63A, rated short-circuit breaking capacity 36kA (Ics=100% of Icu) adjustable thermal (overload) setting and adjustable magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB should have phase barriers both sides, with insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-MCCB		
	Supplying and erecting Star Delta Starter suitable for 415V. Three phase, 50 cycles with overload element with necessary materials and connected to supply upto 75 H.P. - 1 No.		
	Supplying and erecting Star Delta Starter suitable for 415V. Three phase, 50 cycles with overload element with necessary materials and connected to supply upto 40 H.P. - 1 No.		
	Supplying and erecting D. O. L. Starter suitable for 250V. Single phase, 50 cycles with overload element with necessary materials and connected to supply upto 5.5 H.P. - 2 No.		
	Video Wall Display		
4	Supply installation & commissioning of Video Wall Display consist of followings: Video wall display - Make/ Model - Samsung VH55-CE - 8nos x 55" Display 1.8mm Bezel to Bezel, Brightness 500nits, Resolution 1920x1080, Contrast Ratio 1200:1, Operation Hour 24x7, IPS Display. Display Bracket - Make/ Model - TONO PVW 600 - 8 nos Push-Pull Video Wall Display Bracket. Display Controller - Make/ Model - EDS - 8In 8Out Video wall Processor. Switcher - Make/ Model - TesiraLUX IDH-1 - 8nos. AVB video encoder; includes one HDMI 2.0 port and one DisplayPort 1.2 port. Accepts 8 channels of embedded PCM audio and includes 2 mic/line level analog inputs. including all required remote, Cable & Connector etc installation & commissioning complete.	1	Each
5	Supplying and erecting G.I. pipe 'C' class ERW 32 mm dia with necessary fittings complete as per specification no. FF-PP	75	m
6	Supplying and erecting G.I. pipe 'C' class ERW 40 mm dia with necessary fittings complete as per specification no. FF-PP	95	m
7	Providing Round bottom FIRE Bucket of 9 Litres capacity as per IS : 2546 made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and red outside with FIRE Mark, on provided stand/ wall hook	16	Each
8	Providing Floor mounting stand for keeping 4 Nos. of FIRE buckets 1500mm in length, 900mm in height frame made out of 30x30x4 mm angle iron with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of silver Paint.	4	Each
9	Supplying and erecting Wall hook 225mm projection for keeping fire buckets made out of 15 mm dia. M.S. Rod grouted in wall to a depth of minimum 15cms	2	Each

Fire Extinguisher			
10	Supplying and erecting ABC powder type fire extinguisher as per IS:13849 /15683 of 9 kg capacity with necessary clamp for erection on Wall.	30	Each
11	Supplying and erecting D.C.P. type Fire Extinguisher 6 kg capacity cartridge type with Gun Metal cap 150 gram CO2 gas cartridge, powder and brackets conforming to IS 2171- 1985/ IS 15683 and complete erected with necessary clamps made from 50x6 mm M.S. flat with nuts & bolts grouted in wall complete.	8	Each
12	Providing & fixing resilient rubber lined neoprene single arch vibration eliminators with unit control suit able for fire pump upto 45 deg C.Temperature working pressure 20kg persq.cm. of size 150 mm dia.	16	Each
13	Providing & fixing resilient rubber lined neoprene single arch vibration eliminators with unit control suit able for fire pump upto 45 deg C.Temperature working pressure 20kg persq.cm. of size 200 mm dia.	8	Each
14	Fabrication, supply, Installation testing & commissioning of Fire Power & Control Booster Electrical control panel with Remote Start Stop Button 11 Nos of Terminals 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 54 With Canopy as required :Incomings 1 Nos 63A, 15kA 4 Pole MCCB, Ics=100% Icu rating Digital Voltmeter 0-500V with selector switch Ammeter (0-63 A) with selector switch & CTs etc. LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps Set of Copper Bus Bar 100 Amps Outgoings (Note : All outgoing feeders for pumps should have digital Ammeter with selector switches, and LED type ON, OFF, trip indicating lamps) 2 nos Booster Pump	1	Job
15	Supplying, installing, testing and commissioning push button station complete as per EIC & specification Electric spring return enclosed push button NO,NC, polycarbonate Red/Green I/O IP66	2	Each
	HVAC		
DX-AIR HANDLING UNITS Compatible with VRV/ VRF Outdoor Units			
	Supplying, Installing, testing and commissioning of Factory built Horizontal/Vertical Air Handling Units (AHUs), Double skin type with thermal break profile and complete with DIDW Backward curved blower AMCA certified, 40 mm thick panels consisting of GI casing of thickness 0.8mm outside & inside layer with factory injected PUF (density-40 kg/m ³) between them, outlet velocity not exceeding 2000 FPM, velocity across cooling coil less than 500 FPM, TEFC, IE-3 motor with VFD and suitable for 415 ± 10% volts , 50Hz, 3 Phase AC supply, drive system, belt guards, limit switch, with dampers for supply air duct connection, off coil temperature sensor with thermostat, wired temperature sensor to be connected to fan motor VFD ,with DP switch, drain connections, stainless steel (18G) drain pan with Nitrile rubber insulation, etc. conforming to specifications with all the necessary mounting accessories as required for complete installation.		
	AHRI Certified as per test standard AHRI-410, minimum 6 row deep cooling coil, Coil Casing/ Blank offs - GI, Material of Tube - Copper, Tube Dia (mm/inch) - 12.7 mm/ 1/2" O.D., Thickness of tube (SWG/) - 24 SWG, No. of Fins per inch (FPI) - 11/12.		

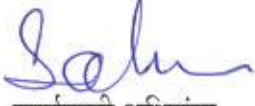
	Max. noise level shall be 65 dBA at 1.5 meter		
	AHU shall be provided with Starter panel, earthing and (power & control) cabling 10 Rmt each, terminations with necessary lugs and glands, etc. Variable Frequency Drives (VFD) with suitable bypass starters shall be considered.		
	Pre-filter sections, MERV 8 rating having minimum 90% efficiency down to 10 microns. Velocity across filters less than 500 fpm.		
	For AHU Controller /distribution Kit Refer MCGM SOR 2023 R3-ME-9-7-I		
	Commissioning Filters (Disposable) also to be provided.		
	The scope of work shall include Disassembling & Reassembling at site, Lifting, shifting & positioning of the equipment at location shown on the drawing.		
16	12200 CFM Horizontal floor mounted AHU with 6 Row Deep cooling coil, 26.0 TR minimum cooling capacity and 50 mm Wg total static pressure for Open Office	2	Each
17	Refrigerant: Supply and additional refrigerant charge of refrigerant R32/ R410A to compensate the additional piping done at site for all systems including testing commissioning as required.	94	Kilogram
	Power cables: Supply, installation, testing and commissioning of Power Cables for VRV/ VRF Units.		
18	MCCB to Outdoor Unit Termination	35	m
	Drain piping: Providing and fixing of Hard PVC drain water piping with fittings, support and insulated with 6mm thick closed cell elastomeric nitrile rubber insulation complete as per specifications		
19	25mm dia ID	39.1	m
20	32mm dia ID	85.1	m
21	40mm dia ID	48.3	m
	Round GSS Ducting:- Supplying fabrication installation testing and commissioning of GI. Sheet metal ducting .Zinc coated. Complete with all Standard Accessories, G.I.Hardware, Self Adhesive elastomeric foam gasket, support etc as per SMACNA specification.		
22	24 SWG	60.9	Sqm.
	FLEXIBLE PRE INSULATED DUCT: - Supply and fixing of aluminum foil flexible pre insulated duct.		
23	100 mm	21	m
24	Acoustic Insulation: Supply & Installation of Inner Lining of supply air duct with 10 mm thick class "O" open cell nitrile rubber, density 140 kg/cum.	128.2	Sqm.
	EXTERNAL DUCT INSULATION :- Supplying & fixing of following thickness of mat finish closed cell nitrile rubber (Class "O") insulation along with company fitted weather proof UV protected glass wool cloth for protection of weather conditions and mechanical damages to insulation on existing duct after applying two coats of cold setting adhesive complete as per the specifications as required.		
25	25 mm thick	107.0	Sqm.
26	Underdeck Insulation: Supply & Installation of Underdeck Insulation of roof / ceiling with min. 25mm thick nitrile rubber closed cell insulation / 40 kg/m3 density & fire rating class O I duly fixed with GI washers.	697.3	Sqm.
	Supply, Installation, Testing and Air Balancing of Extruded Aluminium Powder Coated Disc Valve complete in all respects as per specifications		
27	Dia. 100 mm Disc valves for Toilet exhaust	42	Each
28	Supplying and erecting aluminium powder coated linear grill of suitable size for width length without collar dampers having matching colour with the existing false ceiling and suitable for deflection of 15/30/45°.	37	Sqm.
	Supply and erecting aluminium powder coated linear grill of following sizes with collar dampers having matching colour with the existing false ceiling.		

29	300mm x 300 mm	8	Each
30	600mm x 600 mm	1	Each
	Transfer air grilles in doors		
31	Supply & fixing of Extruded Aluminium powder coated Non Vision Transfer air Grilles in Doors with telescopic frames and V Shaped blades. Frame with flat frontal face of 30 mm and V type sight proof fixed louvers. Single Frame type.	1.96	Sqm.
	Louvers		
32	Supply, Installing, testing and commissioning of Powder coated extruded aluminium construction fresh air/ Exhaust air louvers with min. 60 % free area, bird screen and volume damper as per specifications. Louvers need to be suitable in order to avoid rain water entry @ 45 degree deflection. As per technical specifications with all the necessary mounting accessories as required for complete installation.	2.25	Sqm.
	Cabinet Type Exhaust air Fans		
33	Supply, installation, testing and commissioning of low noise Cabinet Type inline fans with motor duly installed in single skin box with fire retardant flexible connection both side, vibration isolator and inspection windows etc. as per specifications and schedule of equipment suitable to install in duct work.		
	2000 CFM@ 30 mm st. pr. for Pump Room and Pantry/ Store	2	Each
	Cabinet Type Fresh air Fans with 20 microns filters		
34	Supply, installation, testing and commissioning of low noise Cabinet Type inline fans with motor duly installed in single skin box with fire retardant flexible connection both side, vibration isolator and inspection windows etc. as per specifications and schedule of equipment suitable to install in duct work.		
	1700 CFM@ 30 mm st. pr. for Pump Room	1	Each
	Ducted Inline Centrifugal Fans		
	Supply, installing, testing and commissioning of following capacities of ducted inline centrifugal fan as per specification and complete with suitable 1 phase Motor with 3 speed control, bird screen, with fire retardant flexible connection both side etc. and complete as per technical specifications with all the necessary mounting accessories as required for wall or ceiling mounting for complete installation.		
35	300 cfm/ 20 mm st. pr Exhaust air fan for Toilet Block	1	Each
36	400 cfm/ 20 mm st. pr Exhaust air fan for Toilet Block	2	Each
37	500 cfm/ 20 mm st. pr Exhaust air fan for Toilet Block	1	Each
38	550 cfm/ 20 mm st. pr Exhaust air fan for Toilet Block	2	Each
39	800 cfm/ 20 mm st. pr Exhaust air fan for Kitchen Store	1	Each
	Tube Axial Fans		
	Supply, installing, testing and commissioning of Tube Axial Fans complete with TEFC Sq.cage, IE3 direct driven 'F' Class induction motor suitable for 415V±10%, 50 Hz. 3 phase electric supply, MS channel base, housing, fire retardant flexible connection with nut bolts at outlet, mounting, vibration isolators, & bird screen, Starter Panel & Cabling, earthing etc. and conforming to the specifications. All electrical panels shall be BMS Compatible.		
	The motor and impeller speed shall be less than 1500 RPM and capacities shall be as follows:		
40	5500 cfm, 35 mmwg external static pressure for Lift well Pressurisation. Necessary transition piece and canvas connection for proper installation to be included in the scope.	2	Each

41	23400 cfm, 15 mmwg external static pressure for Basement Lift Lobby Pressurisation. Necessary transition piece and canvas connection for proper installation to be included in the scope.	1	Each
	Smoke Spill Tube Axial air Fans		
	Supply, installation, testing and Commissioning of Smoke spill Tube Axial flow extract air fans rated for 250 Deg. C @ 2 hrs, along with silencers on inlet and outlet of below mentioned capacities, pressure casted Aluminium impeller blades, GSS Tube Casing, fixed speed Motor mounted on spring mounted vibration isolator, with supporting arrangement. The motor shall be TEFC type with H Class insulation & IP 55 protection, suitable for 415 V/3 ph/ 50 Hz, MS channel base, housing, fire retardant flexible connection with nut bolts at outlet, mounting, vibration isolators, & bird screen, etc.as per the specification given in the tender. All electrical panels shall be BMS Compatible.		
	The fans shall be tested in accordance with BS 7346 Part 2 : 1990 & shall meet the performance criteria for class B, C and D as defined in BS Standard.		
	Exhaust for Car Park		
42	6500 cfm, 25 mmwg external static pressure, fan speed 1450 rpm to exhaust air to ambient through shafts. Necessary transition piece and canvas connection for proper installation to be included in the scope.	2	Each
	Exhaust for Assembly Hall		
43	10500 cfm, 25 mmwg external static pressure, fan speed 1450 rpm to exhaust air to ambient through shafts. Necessary transition piece and canvas connection for proper installation to be included in the scope.	2	Each
	Induced Jet Fans (Dual Speed)		
	Impulse Type Dual Speed Jet Fans air fans rated for 250 Deg. C @ 2 hrs. along with silencers on inlet and outlet of below mentioned capacities, pressure casted Aluminium impeller blades, GSS Tube Casing, Dual speed Motor mounted with supporting arrangement.. The motor shall be TEFC type with H Class insulation & IP 55 protection, suitable for 415 V/3 ph/ 50 Hz as per the specification given in the tender.		
	Fans shall be tested in accordance with BS 7346 Part 2 : 1990 & shall meet the performance criteria for class B.		
44	Dia. 355 mm	2	Each
	Note : The Tender quantity is worked out considering Fan Dia. 350 mm located at a span of 350 sqm. Bidder to check the availability and select the size and quantity of fans after carrying out Detailed CFD Analysis. Bidder to update the total Electrical & Control system accordingly.		
45	Supply, installation, Testing and Commissioning of 16A SP MCB for Jet Fans	2	Each
	PLC cum Starter Panels		
	Electrical Panel with built in PLC with necessary starters for each of the jet fans (Dual speed motors), Smokespill & Normal tube axial fans for both normal mode and fire mode considering demand control ventilation with a logic based on CO sensors. Should also enable auto on/off of fans for power saving BASED ON SENSING OF CO LEVEL. Panel should cater to jet fans with dual speed motors with spares for atleast 3 more fans. Each panel shall contain various starters for jet fans, and Smoke spill & Normal Tube axial fans for both for normal and fire exhaust with details below.		
46	Total Jet fans - Details for one panel (jet fans -2 Nos Dual speed (0.44/2.2 kW each), Tube Axial fans normal/ fire mode - 2 Nos (2.7 kW each).	1	Each
	Electrical Cables		
	Supply, Installation, testing and commissioning following sizes of FR PVC insulated copper conductor, multi core cables with terminations, PVC Conduit/ Surface/recessed steel as required.		

47	6C X 2.5 sq.mm for jet fans	750	m
48	8 SWG Bare Copper wire.	400	m
49	4C x 2.5 Sq.mm. for Inverter Split Units	600	m

वर नमूद सुचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com यावर दिनांक 08/09/2024 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.


कार्यकारी अभियंता
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/६५२४/प्र.क्र.३८/३३५५/२०२४
दि. ३०/०८/२०२४

प्रत माहितीस्तव —

१. प्रसिध्दीकरीता
२. माहिती फलक करीता

