

पनवेलमहानगरपालिका जाहीरनिविदा दरपत्रक

पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर - १६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर - १६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे.	०१/०३/२०२४ ते ०४/०३/२०२४

S.NO.	ITEM DESCRIPTION	QUANTITY	UNIT
Internal Electrification			
1.4	CABLE TRAY :-		
1.4.5	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 100 mm height complete with necessary coupler plates & hardware in approved manner.As directed by Engineer in charge.	582	M
1.4.6	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 100 mm height complete with necessary coupler plates & hardware in approved manner.As directed by Engineer in charge.	10	M
1.4.7	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 300 mm width & 100 mm height complete with necessary coupler plates & hardware in approved manner.As directed by Engineer in charge.	121	M
1.4.8	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 400 mm width & 100 mm height complete with necessary coupler plates & hardware in approved manner.As directed by Engineer in charge.	20	M
1.4.9	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 500 mm width & 100 mm height complete with necessary coupler plates & hardware in approved manner.As directed by Engineer in charge.	300	M
CCTV SYSTEM			
1.4	FIBER OPTIC CABLE &SYSTEM :-		
1.4.2	Supply, Installation,Testing& Commissioning of Media Convertor.	2	EACH

Fire Fighting				
1.6	ELECTRICAL FIRE PANEL			
	Main Fire Control Electrical Panel (With Fire Gas suppression Arrangement)			
	<p>Design, manufacture, supplying, fixing in position, testing and commissioning of the following front operated cubicle type, front access 2mm thick steel enclosed free standing, dust and vermin proof, switchboard with IP 52 protection with hinged and lockable doors complete with interconnections, tinned copper crimping lugs, bonding to earth and painting, suitable for use at 415 volts, 3 phase 4 wire 50 Hz system and suitable for a fault level of 25 MVA symmetrical at 415 volts with a suitable power capacitor to improve power factor, and Automatic Fire suppression gas flooding system complete with Perfluoro Ketone (FK-5-1-12)/ HFC 227ea, DLP Assembly with automatic valve, push in connector for tube, Perfluoro Ketone (FK-5-1-12)/ HFC 227ea, mounting bracket, End of Line adopter and low pressure switch for monitoring system activation. Perfluoro Ketone (FK-5-1-12)/ HFC 227ea gas of suitable capacity, Heat detection tube as required and A/V alarm with all necessary installation to complete the system as per specifications or as directed etc. All switchboards shall have provision for entry of cables from the top or bottom as required. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves. SMC/DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be lockable in OFF position. Interlocking arrangement shall be provided such that when Main Pump starts Jockey Pump should stop and vice versa.</p> <p style="text-align: right;">Switcgearmake:- Schnieder/Legrand/Siemens/L&T</p>		1.00	Each
	INCOMER			
	1 Nos. 630 amps 4P incoming microprocessor based 4P MCCB with following accessories:			
	Metering			
	1 set 0-500 volts digital electronic volt meter with selector switch protected by 2 amps TP MCB's.			
1.6.1	0-400 Amps digital electronic ammeter with selector switch and 400/5 amps 15 VA, CL 1 CTs .			
	1 No KWH meter with suitable CT's.			
	Phase indicating light protected by 2 amps SP MCB's.			
	BUSBAR			
	630 amps TPN aluminium bus bars (36 KA for 1 sec.) with coloured heat shrinkable insulated sleeve.			
1.6.2	OUTGOING UNITS			
	Diesel engine battery charger :- 25 Amp. TPN MCCB ,36			

	KA		
	Hydrant Main Pump		
	1 Nos 200 amps TP MCCB of 36 kA breaking capacity with 201.42 kW SOFT starter .These compartment shall contain CT operated digital ammeter of 0-400 amps range with selector switch, and an indicating lamp with 2A SP MCB		
	Hydrant Jockey Pump		
	1 Nos 63 amps TP MCCB of 36 kA breaking capacity with 18.65 kW Star delta starter .These compartment shall contain CT operated digital ammeter of 0-63 amps range with selector switch, and an indicating lamp with 2A SP MCB		
	Interlocking arrangement shall be provided such that when Main Pump starts Jockey Pump should stop and vice versa.		
	Sprinkler Main Pump		
	1 Nos 200 amps TP MCCB of 36 kA breaking capacity with 201.42 kW SOFT starter .These compartment shall contain CT operated digital ammeter of 0-400 amps range with selector switch, and an indicating lamp with 2A SP MCB		
	Sprinkler Jockey Pump		
	1 Nos 63 amps TP MCCB of 36 kA breaking capacity with 18.65 kW Star delta starter. These compartment shall contain CT operated digital ammeter of 0-63 amps range with selector switch, and an indicating lamp with 2A SP MCB		
	Provision only		
1.6.3	1 Nos 100 amps TP MCCB of 36 kA breaking capacity with 37.3 kW SOFT starter. These compartment shall contain CT operated digital ammeter of 0-400 amps range with selector switch, and an indicating lamp with 2A SP MCB		
1.6.4	For charging Deisel Engine Battery		
	25 amp DP MCB 25 kA breaking capacity		
Plumbing			
B.1	INTERNAL BUILDING DRAINAGE & WATER SUPPLY		
1	BLDG INTERNAL WATER SUPPLY		
1.1	Providing and fixing in position tested UPVC easy fit pipes conforming to ASTM D-1785 Schedule 80 with all fittings like bends, tees, reducers, elbows, unions Schedule 80 including supporting on walls complete including scaffolding and hydraulic testing after laying of pipes as specified and including making holes in the walls or floors as required and redoing the same (For pump outlet to OH Tank, Terrace looping, Downcomer of domestic & flushing water supply pipes) etc.complete as directed by Engineer In Charge.		
1.1.7	Providing and fixing on walls/ceiling/floor 65 mm dia. uPVC pipe with necessary fittings,remaking good the demolished portion etc.complete.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete as directed by Engineer	44	RMT

	In Charge.		
1.1.8	Providing and fixing on walls/ceiling/floor 80 mm dia. uPVC pipe with necessary fittings,remaking good the demolished portion etc.complete.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete as directed by Engineer In Charge.	44	RMT
1.2	Providing and fixing Gun Metal gate valve of pressure rating of PN-16 of approved make with material and labour etc all complete as per drawings, specifications complete as directed by Engineer In Charge.		
1.2.1	Providing and fixing 15 mm dia gun metal gate valve complete with PN16 pressure rating, as per specification no. FF-VL/GV	16	No.
B.3	PUMPS BOQ		
2.3	PUMPING FOR WATER BODY		
	Supply Installation Testing and Commisioning of HYN Set comprising 2 nos. pumps (1W+1S) Capacity each pump 125 lpm & Head 50 m (INCLUDING,AIR VESSEL ,DIFFRENTIAL PRESSURE SENSOR, COMMON PUMPS PANEL WITH INTERLOCKING AND AUTOMATION)	1	Set
	Base - Cast Iron EN 1561 EN-GJL-200 ASTM A48-25B		
	Impeller - Stainless Steel EN 1.4301 AISI 304		
	Maxi.OperatingPresssure - 1600 KPa		
	Motor Standard - IES		
	Rated Power - 7.5kW		
	Rated Speed - 2920-2940rpm		
3.2	STP TREATED WATER TRANSFER PUMP TO COOLING TOWER MAKEUP WATER TANK		
	Supply Installation Testing and Commisioning of Each set comprising 2 nos. pumps (1W+1S) 150 lpm & Head 50 m (INCLUDING COMMON PUMPS PANEL WITH INTERLOCKING AND AUTOMATION)	1	Set
	Base - Cast Iron EN 1561 EN-GJL-200 ASTM A48-25B		
	Impeller - Stainless Steel EN 1.4301 AISI 304		
	Maxi.OperatingPresssure - 1600 KPa		
	Motor Standard - IES		
	Rated Power - 2.2kW		
	Rated Speed - 2890-2910rpm		
4	Providing and fixing spring return motorised Solenoid valvePN 10 suitable for 240 Volts , with suitable motorised rotor 3 nos of float type sensors and control panel , to shut and close valve when water level is low / high in water tanks complete as directed by Engineer In Charge. (FOR WATER		

	BODIES)		
	50 mm dia	4	No.
C.1	BUILDING EXTERNAL BOQ		
	BLDG EXTERNAL WATER SUPPLY		
1	Providing and fixing in position tested uPVC easy fit pipes conforming to ASTM D-1785 Schedule 80 with all fittings like bends, tees, reducers, elbows, unions Schedule 80 including supporting on walls complete including scaffolding and hydraulic testing after laying of pipes as specified and including making holes in the walls or floors as required and redoing the same (For pump outlet to OH Tank, Terrace looping, Downcomer of domestic & flushing water supply pipes) etc.com plete as directed by Engineer In Charge.		
1.1	65 mm nominal bore	572	RMT
	GST EXTRA AS APPLICABLE		
1	VERTICAL TRANSPORTATION		
	SITC of Electric Traction Passenger Lift with		
	Rated capacity :- 20 /16/15 Passenger		
	Floors :- B+G+7 floor (9 Stops/9Landings)		
	Travel :- +2.45mt to +43.70 mtrs		
	Location of Lift Machine:- MR/MRL		
	Rated speed :- 1.5mps VS		
	Car/Landing door clear opening of 1000mm wide x 2000 mm high		
	Clear Car size ofmm wide xmm deep x 2250mm high		
	Lift shaft available having clear size ofmm wide xmm deep,mm Pit depth,mm Overhead.		
	Doors type :- COPO/TOPO Doors with frame made from SS 304 grade solid(non-cladded) sheet of 1.5mm thick in hairline finish for car and all landing doors with SS door architraves/frames The lift doors shall have minimum 1 hour fire rating (with submission of necessary valid test certificate issued by NABL accredited or Independent test laboratory).		
	Lift car enclosure made from SS 304 grade solid (non-cladded) sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. The lift car interior design shall be done as per the directions of engineer in charge.		
	COP with SS face plate having metallic push buttons with Braille code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with / without attendant key switch, OWD with audio-visual alarm, VAS in Marathi, Hindi & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor.		
	LOP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings.		

	Lift controller of simplex full collective based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port. The controller shall have necessary Protections such as overcurrent, overvoltage, over speed, overheat for all devices including lift motor and travel direction protection, protection for phase loss at input or output etc. ,various operation modes such as maintenance, change direction by attendant, full load bypass, VIP call operation, self levelling operation, call cancel facility, auto return to home landing, fireman evacuation operation, earthquake operation, door open/close operation from COP etc. The system can record information for minimum 30 latest faults, with real-time clock management and handheld keypad with LCD screen for view and setting of parameters, The control panel duly wired with proper size & strength, copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class.		
	ARD complete with necessary SMF VRLA batteries.		
	Fireman controller having fireman switch at fire Landing.		
	CCTV surveillance system comprises of 2 nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for min. 90 days with min. 20" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge.		
	Lift Machine of Gearless PMSM of suitable kW with duty cycle of minimum 120 starts/hr (with submission of necessary valid test certificate issued by NABL accredited or Independent test laboratory), with Traction pulley, OSG, electromagnetic brakes, entire assembly mounted on adequate size girders duly fixed on LMR floor/ shaft walls complete with main/diverter traction sheaves, suspension wire ropes/belts of adequate size & strength.		
	Other mechanical parts such as 'T' section adequate size guide rails for car & counter weight with brackets fasteners, counter weight frame with necessary blocks, buffers with necessary support arrangement, MS pit ladder etc. erected with necessary steel work		
	Minor civil work such as alteration work if any necessary for erection of landing door frames and it's accessories e.g. sill, header, hole pass etc complete with plaster finish, civil work for erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails, providing and fixing steel girders/RCC work having adequate strength for mounting and hoisting lift machine etc. complete as per specification no. LFT.		
	General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge.		
	The above rate includes Fully Comprehensive AMC for one year from the date of commissioning.		
A	VIP Lift : Rated capacity :-20 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs	1.00	Nos
B	VIP Lift : Rated capacity :-20 Passenger	1.00	Nos

	Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs		
C	5th lift Rated capacity :- 15 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs	2.00	Nos
D	1,2,3,4 Lifts : Rated capacity :- 16 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs	4.00	Nos
E	6,7,8 Lifts Rated capacity :- 15 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs	2.00	Nos
F	Service lift 1,2 Rated capacity :- 20 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs	2.00	Nos

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 08/02/2024 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

Alakh

कार्यकारी अभियंता (प्रकल्प)
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/ 2329 /प्र.क्र. 29 / 004 /2024,
दि. 22/02/2024

प्रत माहितीस्त्व — १. प्रसिध्दीकरीता
२. माहिती फलक करीता