

## पनवेल महानगरपालिका जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिका नवीन पनवेल (पश्चिम) येथील सेक्टर - १८, भुखंड क्र. ०८ अ + ०८ ब येथे माता व बालसंगोपन केंद्र उभारणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका नवीन पनवेल (पश्चिम) येथील सेक्टर - १८, भुखंड क्र. ०८ अ + ०८ ब येथे माता व बालसंगोपन केंद्र उभारणे	२९/०३/२०२५ ते ४/०४/२०२५ (७ दिवस)

### Specification

Sr. No	DESCRIPTION	Unit	Quantity
1	Providing and applying PU paint for Steel structure for all height of building including required tools and tackle and machinery Application process must be followed as per guideline provided by Manufacturer and specified details in technical specification. CLEANING: Clean the surface by wire brushing or by mechanical tools to remove loose rust/scale if any. RUST REMOVAL: Apply a rust removing, chloride and sulfate free surface passivating solution RUSTICIDE of Sunanda Speciality Coatings Pvt. Ltd or equivalent by brush to the surface. Chemical should react with corrosion products to convert them to a stable passivating nanofilm on the surface of the steel and return the steel back to its original grayish white colour and special surface acting chemicals help in promoting the adhesion of consequent coatings to the steel surface.	SQ.MT	557.21
2	Conductive Vinyl Flooring Providing & laying fully flexible 2mm thick Permanently Static Conductive Pressed Homogeneous Vinyl Floor Covering for 621.3 sq.mt of Tarkett make or approved equivalent, of approved colour over Kota stone base flooring, with non-directional design and even colour throughout the thickness, providing excellent resistance to wear & tear and minimum use area Class 34 as per ISO 10874 / complied with respective EN standard. The homogenous sheet top surface shall have a Polyurethane treatment by UV laser cross-linking. The floor covering shall achieve fire rating of class Bfl-s1, static electrical propensity <2 KV, low TVOC emissions after 28 days as per ISO 16000-6. The covering shall be compatible to hot-welding and bent up skirting, have anti-bacterial & anti-fungal properties, resistance to stains, and shall have minimum 5% recycled content to comply with GRIHA Environmental Product Description.		
2.1	(conductive vinly flooring)	SQ.MT	724.10
2.2	(Non-conductive vinly flooring)	SQ.MT	4485.60
2.3	Providing and applying seamless, jointless epoxy flooring and precast skirting (75 m wide) system of a total system thickness of 12 mm, ground to 10 mm average over the prepared floor surface including cleaning, moisture testing and scarifying or other suitable surface preparation techniques. The system comprise of application of	SQ.MT	1312.42
3	Providing & Fixing M/F Suspended 12.5mm Moisture Resistance <b>Gypsum Board with slime line</b> which includes GypSerra or equi. make 20x28x30x0.5mm thk Perimeter Channel {Material-GI(IS513),YS 300Mpa,Finish-Galvanised 150GSM(IS	SQ.MT	12674.76

	277)} is fixed along the perimeter of existing wall/ partition with the help of screws at 600mm centres. GypSerra or equi. make Ceiling Angle of size 25x10x0.5mm thk {Material-GI(IS513),YS-300Mpa,Finish Galvanised 150GSM(IS 277)} is suspended at up to suitable height up to 1.5 Mt as per sight conditions by fixing it to the Gyproc or equi. make soffit clit of size 27x37x25x1.6mm thk {Material-GI(IS513),YS-300Mpa,Finish-Galvanised 150GSM(IS 277)} with Soffit Cleat and Rawl Plug 8x45mm creating 1220mm x 1220mm grid. GypSerra or equi. make Intermediate channel of size 45x15x0.9mm thk {Material-GI(IS513),YS-300Mpa,FinishGalvanised 150GSM(IS 277)} is fixed to the GypSerra or equi. make Ceiling Angle with 2 Nos of 4.2x13 Gyproc metal to metal screw.		
3.1	Providing and fixing Digital panel ceiling as per design and drawings with all necessary fixing with structural support from ceiling. Rate should include all necessary tools and tackles required complete in all respect.	SQ.MT	66.38
4	Mechanical Stack/puzzle parking in basements		
	Providing and Installing mechanised stacked parking accomodating Car size & Two wheelers with capacity 2.0 ton each. It should be having lifting power pack of 2.2 kw with speed of approx. 2.1 m / min. Power factor of motor should be no less than 0.8 having total electrical load of 3.4 kw including motor start up inrush current. Rate should include all tools, tackles , machineries, steel structural work , fixing detail shop drawings , electrical devises , cables , complete in all respect.		
4.1	Four wheeler stacked parking ( 45nos x 3cars ) = 135 cars	Nos.	45
4.2	Two wheeler stacked parking ( 144nos x 3cars ) = 432 cars	Nos.	144
5	Providing & Fixing Elevator with Basic Elevator requirement : Capacity :- 2000 kg , Control :- Selective Collective, Drive Type :- Variable Voltage Variable Frequency, Platform :- Gearless-MRL, Rated Load (kG) :- 2000, Rated speed (m/s) :- 1 m/s, Door Type :- Power, Landing Door Type :- Center Opening power door, Railing Type :- Standard, Landing Door Finish :- SS-hairline(Standard), Fire Rating :- 1 Hr Fire rated. Vendor must also consider other standard specifications as per latest code and respective authorities requisitions for hospital/ public building.		
5.1	Patient, Staff & Visitor elevators		
5.2	Lift 1 : Shaft size 3125 x 3175 Opening size 1400 x 2400 ( B + G + 10 floors )	Nos.	2
5.3	Lift 2 : Shaft size 2550 x 3100 Opening size 1400 x 2400 ( B + G + 10 floors )	Nos.	8
5.4	Lift 3 : Shaft size 2600 x 3100 Opening size 1400 x 2400 ( B + G + 10 floors )	Nos.	2
5.5	Dumwaiters ; Shaft size 1500 x 1500 Opening size 600 x 500 (2nd floor till 5th floor)	Nos.	2
6	LAUNDRY @ BASEMENT Providing layout & Design for optimal Workflow, safety and efficiency packing, loading, freight, unloading, placement, installation for Laundry Department for a 450 bedded mother & Child hospital with area of 195.94 sq.mt. Providing list of recommended equipment and ensure the laundry facility complies with health, safety, and environmental standards, including infection control protocols, mentioning the Delivery Period.	Nos.	1.00
7	KITCHEN @5TH FLOOR Providing a detailed outline of Layout ensuring workflow from food delivery, storage, preparation, cooking, and distribution with specifications of equipment's of Kitchen with area of 461.52 sq. m for a 450 bedded Mother & Child Hospital, with 675 relatives ,675 staff and 2000 OPD patients count. The design and equipment comply with the Food and Drug Administration (FDA) and Hazard Analysis and Critical Control Points (HACCP) regulations for food safety and health standards.	Nos.	1.00



8	CSSD @5TH FLOOR Providing an optimal Layout and design for efficiency design, infection control, and regulatory compliance, Installation and commissioning of Equipment for Central Sterile Supply Department with area of 327.46 sq.m for a 450 bedded mother & Child hospital, supporting 8 no.s OT with provisions of 2 Dumbwaiters(clean & dirty). Providing clear and accurate pricing for each item, including any applicable taxes or discounts. Clearly outing any warranties or guarantees offered also mentioning the Delivery Timeframe.	Nos.	1.00
9	Providing and installing Aluminum Boom Barrier with (maximum clear passage of 6000 mm single boom) 24V DC brushless motor, protection level of IP 54, controller frequency 50 - 60 Hz, netweight 43 kgs app. , It should be having security features of CE marking according to the EEC directives : 2014 /30 / EU, 20114 / 53 / EU. Passage opening time - 3 sec ( 75 deg. ) and 7 sec opening time ( 90 deg. ). Eergency manual release system with key operation . Rate should include corrosion free mountings complete in all respect.	Nos.	4.00
10	Supply and Installation of <b>rubber corner guard</b> of 800mm x 100mm x 100mm to protect the edges of columns in streutree. In black colour and yellow reflective sheeting. Rate should include all necessary tools, tackles required to fix complete in all respect.	Nos.	104
11	<b>Cat Eye/ Road Stud/ RPM:</b> Providing & fixing of Molded Twin Shanks Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens (No glass bed lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs .tested in accordance to ASTM D 4280 Type Hand complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997 .The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2mm and height not less than 30 +/-2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and The color of the marker should be as per the IRC35-2015 and as directed by Engineer-in-charge.	nos.	147.00
12	Speed Breaker ; Providing & installing speed breaker of pvc material size of 250mm x 350mm x 50mm on cement concrete surface of road with all the necessary accessories and labour complete in all respect.	nos.	10.00
13	Convex polycarbonate traffic mirror orange colour , dia-100 Cms	nos.	10.00
14	Double Equal Leaf 'Z' Profile LouversShutter Door- FIRE RATED DOOR(2hrs) D1A		
	Providing & fixing factory-made double leaf 2 hour fire rated door as per IS 3614 Part 2 & BS 476 Part 20 & 22 tested to UL 10 C and conforming to NFPA 80	Sq.mt	5.88
14.1	Single Leaf Shutter Door -D8A		
	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face L aminate 1 mm thick on both faces	sqmt	26.46
14.2	Single Leaf Glass Vision Shutter Door -D8B		
	Providing & fixing factory-made Single leaf fire rated door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80 , tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277 ) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277)	sqmt	143.9375



	infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt , Mortise latch , Door closer and Flush bolts complete.		
14.3	Single Leaf Acoustically Treated (Lead Shielded)Shutter Door -D9A		
	Providing & fixing of Wooden Fire Cum Acoustic Door of 77mm thick Non-metallic,Asbestos Free Accoustic cum fire/smoke door of 120 minutes fire rating, suitable to achieve approx. 38db, sound reducing properties suitable for fixing in wooden door frame of suitable section 140X70mm made out of Hardwood (Red Mirandi) and the shutter comprising of 2 non -combustible boards sandwiching 41 mm thick fire resistant & accoustic insulation filler. The shutter is faced with 6mm thick commercial ply and 1mm thick Laminate (as per approved shade) on both faces and Hard wooden lipping all around the shutter. The frame shall be fitted with fire & smoke intumescent seal of size 10 x 4mm on all the three sides except bottom and shutter shall be fitted with fire & smoke intumescent seal of size 20 x 4mm on all the three sides except bottom. The door shall have suitable arrangement for Accoustic seals for sound reduction properties. The shutter to be fitted with the frame with the help of ss ball bearing hinges of size 100x75x3mm & fasteners including all type of accoustic seal . The door is fitted with Accoustic Seals as per the details given below.Rates are included Corner & P Type seal & Accoustic Seals.	sqmt	16.17
14.4	Single Leaf Glass Vision Shutter Door-D9B		
	Providing & fixing factory-made Single leaf fire rated door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80 , tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277 ) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277) infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt , Mortise latch , Door closer and Flush bolts complete.	sqmt	97.02
14.5	Single Leaf Shutter Door -D9C		
	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish , all included necessary beads, mouldings lipping patti , iron hold fast, SS Hinges chomium plated fixer fastnering with Half Cylinder Half 60mm(40mm)-One Side Key lock, SS handles on both side and Aluminum Extruded Door Closer Over Head Hold Open up fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.	sqmt	344.715
14.6	Single Leaf Shutter Door with louver(Open Inside) - D9E		
	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish , Aluminium Louverd of size (0.5 M X 0.15 M) fixed at bottom For ventilation purpose. all included necessary beads, mouldings lipping patti , iron hold fast, SS Hinges chomium plated fixer fastnering with Half Cylinder Half 60mm(40mm)-One Side Key lock, SS handles on both side and Aluminum Extruded Door Closer Over Head Hold Open up fittings etc. completed As per detailed design and drawings. and	sqmt	118.335



	with all fittings etc. completed.		
14.7	Single Leaf Glass Vision Shutter Door -D8F		
	Providing & fixing factory-made Single leaf fire rated door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80, tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277) infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt, Mortise latch, Door closer and Flush bolts complete.	sqmt	74.6025
14.8	Single Leaf Shutter Door with louver-D10A		
	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish, Aluminium Louverd of size (0.5 M X 0.15 M) fixed at bottom For ventilation purpose. all included necessary beads, mouldings lipping patti, iron hold fast, SS Hinges chomium plated fixer fastnering with Half Cylinder Half 60mm(40mm)-One Side Key lock, SS handles on both side and Aluminum Extruded Door Closer Over Head Hold Open up fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.	sqmt	145.775
14.9	Double Equal Leaf Fire Rated Glass Vision Shutter Door- FIRE RATED DOOR(2hrs)-FD1		
	2 Hrs Fire Rated Double Leaf Glass Door with Cold Rolled Sections Supply and installation of tested fully glazed fire rated fixed non-load bearing double leaf door system with 120 minutes of integrity (NBC 2016 Part 4 Clause 3.4.5.2), radiation control (EW 120) and partial insulation (EI 20) (NBC 2016 Part 4 Clause number 2.22 Note 2) with symmetrical (Bi-Directional) fire protection. The glass should be Contraflam Lite 14 mm clear 120 min fire rated for Integrity, Radiation control (EW 120) and partial insulation (EI 20). Non Wired Toughened Interlayered glass with a light transmission of 86 %, U -value of 5.0 W/sq.mt K, solar factor of 0.72, energy transmission 66 % and a sound reduction of 38 (-1, -2) dB and manufactured in UL & TUV audited Facility and including UL-EU Certification (File number R38101) and compliant to class I(B)I category of Impact Resistance as per EN 12600. The glass shall be tested and certified for no formation of bubbles or yellowing after 5000 hours of exposure to UV radiation by TUV Rheinland as per EN 12543-4. The glass shall provide bi-directional (Symmetrical) fire protection and shall be manufactured in India. The frames shall be imported cold rolled GI steel profiles. The door frames shall be pressed from 1.5 mm steel sheet to form a profile of 50 mm x 50 mm on all sides. The door shutter would have the top rail, side rail and bottom rail dimensions of 50 mm x 50 mm. The steel frame profiles will have insulating material with their designated internal dimensions if given in the test evidence. The glass should be held in its place with the help of steel beading made from 1.5 mm steel sheet thickness and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm or as per the test evidence. The maximum glass size shall be as per the test evidence. The shutters should be fixed to the frame using Weld-on hinges of dimensions 179mm X 20mm or equivalent. Beading should be clipped on to Stainless Steel self tapping screws fixed at a distance of 75 mm from the edges and 150 mm c/c henceforth. The door should be fitted with latch lock and door closer of Dorma (TS 73V, TS 83V, TS93V), Geze (TS 2000NV) or any other equivalent. The	sqmt	224.5425



	inactive leaf should be fixed to the frame using tower bolt at meeting edge at top or as per the tested evidence. The system profiles shall offer C4 level of wind resistance when tested as per EN 12210, Class 4 level of air permeability when tested as per EN 12207, Class 5 Impact Resistance when tested as per EN 13049 and shall have 8A class of water tightness when tested as per EN12208.		
14.1	Double Equal Leaf Fire Rated Glass Vision Shutter Door- FIRE RATED DOOR(2hrs)-FD2		
	<p>2 Hrs Fire Rated Double Leaf Glass Door with Cold Rolled Sections Supply and installation of tested fully glazed fire rated fixed non-load bearing double leaf door system with 120 minutes of integrity (NBC 2016 Part 4 Clause 3.4.5.2), radiation control (EW 120) and partial insulation (EI 20) (NBC 2016 Part 4 Clause number 2.22 Note 2) with symmetrical (Bi-Directional) fire protection. The glass should be Contraflam Lite 14 mm clear 120 min fire rated for Integrity, Radiation control (EW 120) and partial insulation (EI 20), Non Wired Toughened Interlayered glass with a light transmission of 86 %, U-value of 5.0 W/sq.mt K, solar factor of 0.72, energy transmission 66 % and a sound reduction of 38 (-1, -2) dB and manufactured in UL &amp; TUV audited Facility and including UL-EU Certification (File number R38101) and compliant to class 1(B)1 category of Impact Resistance as per EN 12600. The glass shall be tested and certified for no formation of bubbles or yellowing after 5000 hours of exposure to UV radiation by TUV Rheinland as per EN 12543-4. The glass shall provide bi-directional (Symmetrical) fire protection and shall be manufactured in India.</p> <p>The frames shall be imported cold rolled GI steel profiles. The door frames shall be pressed from 1.5 mm steel sheet to form a profile of 50 mm x 50 mm on all sides. The door shutter would have the top rail, side rail and bottom rail dimensions of 50 mm x 50 mm. The steel frame profiles will have insulating material with their designated internal dimensions if given in the test evidence. The glass should be held in its place with the help of steel beading made from 1.5 mm steel sheet thickness and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm or as per the test evidence. The maximum glass size shall be as per the test evidence. The shutters should be fixed to the frame using Weld-on hinges of dimensions 179mm X 20mm or equivalent. Beading should be clipped on to Stainless Steel self tapping screws fixed at a distance of 75 mm from the edges and 150 mm c/c henceforth. The door should be fitted with latch lock and door closer of Dorma (TS 73V, TS 83V, TS93V), Geze (TS 2000NV) or any other equivalent. The inactive leaf should be fixed to the frame using tower bolt at meeting edge at top or as per the tested evidence. The system profiles shall offer C4 level of wind resistance when tested as per EN 12210, Class 4 level of air permeability when tested as per EN 12207, Class 5 Impact Resistance when tested as per EN 13049 and shall have 8A class of water tightness when tested as per EN12208.</p>	sqmt	144.305
14.11	Hermetically Sealed Sensor Operated Sliding Door- FIRE RATED DOOR(2hrs)-D4A		
	<p>Providing and fixing 4mm thick HPCL (High Pressure Compact Laminate) skin at both sides of the door to provide better strength and rigidity. CFC-free, high density polyurethane puff (density 40 kg/m3), thickness 52mm to provide better insulation. Door core is surrounded by 2.5 mm thick high grade aluminum extrusion profiles with natural anodizing of 15 microns finish. The aerodynamic design of profiles makes the door ROBUST in its segment league. Door blade is made with 3-tier specially designed 3 sides heavy duty replaceable EPDM gasket against wall frame. Bottom sealing with 2-tier heavy duty EPDM gasket to flush with the finished floor. Stainless Steel Dormed lever handle on both side of the door blade for smooth and easy door opening and closing OR for small door outside D-grip handle and inside flush grip. High Quality double glazed flush vision window of 350mm X 350mm view size. Both sides flush with the door blade. High grade Aluminum extrusion with natural anodized 15 micron finish wall frame profile. This wall frame profile is a 3-sided blind fixed with cladding on the wall cut-out section</p>	sqmt	62.72



	from inside and outside of the room. Complete door blade weight is 60 Kg approx and track assembly is 20 Kg. Door can be open to Right Hand Slide OR Left Hand Slide.		
14.12	Double Unequal Leaf Hollow Metal & Glass Shutter Door- D3 A		
		sqmt	4.5325
14.13	Double Equal Leaf Fire Rated Glass Vision Shutter Door- FIRE RATED DOOR(2hrs)-D5A		
	2 Hrs Fire Rated Double equal Leaf Glass Door Supply and installation of tested fully glazed fire rated fixed non-load bearing double leaf door system with 120 minutes of integrity (NBC 2016 Part 4 Clause 3.4.5.2), radiation control (EW 120) and partial insulation (EI 20) (NBC 2016 Part 4 Clause number 2.22 Note 2) with		
		sqmt	68.355
14.14	Double Equal Leaf Glass Vision Shutter Door-D5B		
	Providing & fixing factory-made double leaf door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80 , tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277 ) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277) infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt , Mortise latch , Door closer and Flush bolts complete.		
		sqmt	22.785
14.15	Double Equal Leaf Fire Rated Glass Shutter Door- FIRE RATED DOOR(2hrs)-D5C		
	Providing & fixing factory-made double leaf 2 hour fire rated door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80 , tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277 ) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277) infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt , Mortise latch , Door closer and Flush bolts complete.		
		sqmt	34.1775
14.16	Double Equal Leaf Shutter Door -D5D		
	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish . all included necessary beads, mouldings lipping patti , iron hold fast, SS Hinges chomium plated fixer fastnering with Half Cylinder Half 60mm(40mm)-One Side Key lock, SS handles on both side and Aluminum Extruded Door Closer Over Head Hold Open up fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.		
		sqmt	34.1775



14.17	Double Unequal Leaf Shutter Door-D7A		
	Providing and fixing solid core flush door shutter in double leaf 32 mm thick decorative type of exterior grade approved face Laminate 1 mm thick on both faces with ghana teak wood frame of size (125mm x 75mm) with malemaine poshlish . all included necessary beads, mouldings lipping patti , iron hold fast, SS Hinges chomium plated fixer fastnering with Half Cylinder Half 60mm(40mm)-One Side Key lock, SS handles on both side and Aluminum Extruded Door Closer Over Head Hold Open up fittings etc. completed As per detailed design and drawings. and with all fittings etc. completed.		
		sqmt	29.7675
14.18	Double Equal Leaf Fire Rated Acoustically treated- FIRE RATED DOOR(2hrs) - D6 A		
	Supply of Wooden Fire Cum Acoustic Door of 77mm thick Non-metallic.Asbestos Free Accoustic cum fire/smoke door of 120 minutes fire rating, suitable to achieve approx. 38db. sound reducing properties suitable for fixing in wooden door frame of suitable section 140X70mm made out of Hardwood (Red Mirandi) and the shutter comprising of 2 non -combustible boards sandwiching 41 mm thick fire resistant & accoustic insulation filler. The shutter is faced with 6mm thick commercial ply and 1mm thick Laminate (as per approved shade) on both faces and Hard wooden lipping all around the shutter. The frame shall be fitted with fire & smoke intumescent seal of size 10 x 4mm on all the three sides except bottom and shutter shall be fitted with fire & smoke intumescent seal of size 20 x 4mm on all the three sides except bottom. The door shall have suitable arrangement for Accoustic seals for sound reduction properties. The shutter to be fitted with the frame with the help of ss ball bearing hinges of size 100x75x3mm & fasteners including all type of accoustic seal . The door is fitted with Accoustic Seals as per the details given below.Rates are included Corner & P Type seal & Accoustic Seals.		
		sqmt	150.92
14.19	Lead Lined Fixed Glass Panel Window W1		
	Providing and fixing in position at required location, Lead glass for viewing fitted in lead partition, make HMS Metal as per manufacturer's specifications with all leads & lifts and as directed by Project Architect.	sqmt	3.48
14.2	Double Equal Leaf Fire Rated Glass Vision Shutter Door-D2A		
	Providing & fixing factory-made double leaf door as per IS 3614 Part 2 & BS 476 Part 20 & 22, tested to UL 10 C and conforming to NFPA 80 , tested at NTL /CBRI/ARAI of Plain Steel finish type with a.) Frame of size 143x58 mm and thickness of 1.6 mm thick skin pass galvanized iron sheet (Conform to IS 277 ) formed to single or double rebate profile b.) Shutter of 46 mm thickness and constructed from 1.2 mm thick skin pas galvanized iron sheet (Conform to IS 277) infill Rockwool / Mineral wool/ Honey comb craft paper c.) Vision glass of 5mm thick clear/wired glass Circular or Rectangular d.) Finish : Primed with zinc phosphate stoving primer and finished with Polyurethane aliphatic grade or epoxy paint as required of thickness 60 micron e.) Accessories : Min 8 Anchor fastener of HILTI make, min 3 SS Ball Bearing Butt Hinges, Mortise sash lock with lever handle, Mortise dead bolt , Mortise latch , Door closer and Flush bolts complete.		
		sqmt	34.3
14.21	Double Equal Leaf Glass Vision Shutter Door- FIRE RATED DOOR(2hrs)-D2B		
	2 Hrs Fire Rated Double equal Leaf Glass Door Supply and installation of tested fully glazed fire rated fixed non-load bearing double leaf door system with 120		

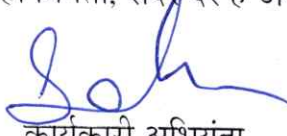


	minutes of integrity (NBC 2016 Part 4 Clause 3.4.5.2), radiation control (EW 120) and partial insulation (EI 20) (NBC 2016 Part 4 Clause number 2.22 Note 2) with symmetrical (Bi-Directional) fire protection. The glass should be Contraflam Lite 14 mm clear 120 min fire rated for Integrity, Radiation control (EW 120) and partial insulation (EI 20), Non Wired Toughened Interlayered glass with a light transmission of 86 %, U -value of 5.0 W/sq.mt K, solar factor of 0.72, energy transmission 66 % and a sound reduction of 38 (-1, -2) dB and manufactured in UL & TUV audited Facility and including UL-EU Certification (File number R38101) and compliant to class I(B)I category of Impact Resistance as per EN 12600. The glass shall be tested and certified for no formation of bubbles or yellowing after 5000 hours of exposure to UV radiation by TUV Rheinland as per EN 12543-4. The glass shall provide bi-directional (Symmetrical) fire protection and shall be manufactured in India.		
		sqmt	9.065
14.22	Double Equal Leaf Non-Ferrous Door- FIRE RATED DOOR(2hrs)- D5 E	sqmt	3.7975
14.23	Double Equal Leaf Non-Ferrous Door- FIRE RATED DOOR(2hrs)-D5F	sqmt	4.5325
14.24	Double Equal Leaf(Lead Shielded) Shutter Door- D5G	sqmt	3.7975
14.25	Single Leaf Shutter Hollow Metal Door with louver(Open Outside)-D9D	sqmt	192.9375
14.26	Radio Frequency Shielded Fixed Glass Panel Window W2	sqmt	1.74
14.27	Double Equal Leaf Wooden Panel Door with Glass Vision Panel - S1	sqmt	3.31045
15	Mobilization of DTH drilling rig equipment for anchors, equipments, accessories, personnel, etc. to site and demobilization of the same after completion of the work as per specifications, contract requirements and instructions of the Engineer-in-Charge.	No.	1.00
15.1	Setting and shifting of drilling rig, accessories, tools, at each anchor location based on sequence approved by engineer in-charge. Zone 1:(67.2m/2.8m) = 24 nos + 1 nos. anchors = 25 nos (1st row) Zone 1A:(21.1m/2.8m) = 8 nos + 1 nos. anchors = 9 nos (1st row) Zone 1B:(28m/4m) = 7 nos + 1 nos. anchors = 8 nos (1st row) Zone 2:(11.2m/4m) = 4nos + 1 nos. anchors = 5 nos (1st row) Zone 2A:(48m/3.2m) = 15nos + 1 nos. anchors = 16 nos(1st row) Zone 3:(12.8m/4m) = 4nos + 1 nos. anchors = 5 nos(1st row) Total : 68nos	No.	68.00
15.1	Fabrication and fixing of Steel Waler beam (ISMB 400 having 36.6 kg/m and ISMB450 having 72.4 kg/m) and anchor blocks on piles at anchor level of anchors, as per approved drawings including all plates, brackets including material, labour, transportation, wastage, complete as well as dismantling after destressing of anchor.	MT	45.00
15.3	Drilling anchor holes for anchors of 70 tons capacity in soil, fill, boulders, and with DTH methods in soft rock, weathered rock, hard bedrock, with MS or PVC casing pipes within overburden soils, carting away excavated material up to a lead of 100m. Fabrication, assembling, and placement of 07 nos. HT strands of 12.9mm dia. of TATA, Usha, DP make in anchor holes, anchor heads, corrosion protection, all HDPE sheathing and pipes, grouting of fixed length with Cebex 100, GP2 or equivalent (Min. M25 grade), proof testing, stressing, locking of anchors with wedges, grouting of free length with cement grout, protection of anchor head, including supplying, transportation, cleaning, cutting, bending, jointing, tying, placing, maintaining in position, etc. of all material complete as per drawings and specifications. Testing and locking of anchors as per IS:101480, (Including core-cutting of piles and gas cutting of MS casing, if required). Zone 1: 25nos x 12m= 300m (1st Row) Zone 1A: 9nos x 12m= 108(1st Row)	R.M.	756.00



	Zone 1B: 8nos x 12m = 96 (1st Row) Zone 2: 5nos x 12m = 60m (1st Row) Zone 2A: 16nos x 12m = 192m (1st Row) Note:- 1) Free length will be measured from top of anchor block. 2) Rates should be including strand length above anchor block required for stressing.		
15.4	Same as above-4, except 60 tons capacity of anchor 06 nos. HT strands of 12.9mm dia. Zone 3: 5nos x 11.5m = 57.5m (1st row)	R.M.	57.50
15.5	Supply, transport and fixing of Hilti, Fisher or equivalent anchor fasteners including labor, material, supply, transportation etc. complete. HST2 V3 M16x185	No.	1400.00
16	SOIL RETANTION		
16.1	Mobilization of DTH machine for micropile 300mm dia. for drilling, equipments, accessories, personnel, etc. to site, erection, commissioning, etc. and demobilization of the same after completion of works as per specifications.	RIG	2.00
16.2	Setting up of 300mm dia. piling rigs with all accessories, and tools at each pile location based on the sequence approved by the Engineer in-charge. Zone 1: 67.2m/0.4m = 168 nos. of piles Zone 1A: 21.2m/0.4m = 53nos. of piles Zone 1B: 28m / 0.4m = 70 nos. of piles Zone 2: 11.2m / 0.4m = 28 nos. of piles Zone 2A: 48m / 0.4m = 120 nos. of piles Zone 3: 12.8m / 0.4m = 32 nos. of piles	No.	471.00
16.3	Forming vertical piles of 300mm by DTH drilling method through fill, boulders, all kinds of soils, hard murrum, soft rock, weathered rock, hard bedrock, with permanent steel liner up to non-collapsible strata and carting away excavated soil up to a lead of 100m, all as per drawings and specifications. (Including ODEX Rates). Zone 1: 168nos. of piles x 7.6m = 1276.8m Zone 1A: 53nos. of piles x 9.6m = 508.8m Zone 1B: 70nos. of piles x 7.6m = 532m Zone 2: 28 nos. of piles x 8m = 224m Zone 2A: 120 nos. of piles x 9.6m = 1152m Zone 3: 32 nos. of piles x 6m = 192m Total= 3886m	R.M.	3886.00
16.4	Providing minimum 3mm thick steel casing upto rock for 300mm dia. micropiles. Zone-1: 168Nos x 3m = 504m Zone-1A: 53Nos x 3m = 159m Zone-1B: 70Nos x 3m = 210m Zone-2: 28Nos x 3m = 84m Zone-2A: 120Nos x 3m = 360m Zone-3: 32Nos x 3m = 96m Total : 1413 m	R.M.	1413.00

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](mailto:pmcbandhkamdept01@gmail.com) यावर दिनांक ४/०४/२०२५ पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

  
कार्यकारी अभियंता  
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/६५२१/प्र.क्र. १२४/ 930L /२०२५, दि. २६/०३/२०२५

प्रत माहितीस्त्व — १. माहिती फलक करीता