



पनवेल महानगरपालिका

शहर अभियंता विभाग

दरपत्रक

जा.क्र.पमपा/बांधकाम/ 2229 /प्र.क्र.00 / 39 50 / 2023

दिनांक: 9 / 9 / 2023

आयुक्त, पनवेल महानगरपालिका खालील नमूद कामाकरीता अंदाजपत्रक तयार करण्यासाठी खालील कामासाठी दरपत्रक (Market Rate) मागविण्यात येत आहेत.

अ.क्र.	कामाचे नाव	मुदत
१.	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती - ब, प्रभाग क्र.१४, नविन पनवेल महानगरपालिका मुख्यालय ते अंतिम भुखंड क्र.४१, सेक्टर-१६ पर्यंतच्या रस्त्याचे सुशोभिकरण व उन्नतीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	
२.	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती -अ, मधील खारघर येथील बेलपाडा टेक्सी स्टॅण्ड ते सेक्टर-४ सिडको कार्यालयापर्यंतचा सर्व्हिस रोडचे काँक्रीटीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	
३.	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती - अ, मधील खारघर येथील बेलपाडा मेट्रो स्टेशन ते मित्र हॉस्टिपल पर्यंत रस्त्याचे काँक्रीटीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	4 / 9 / 2023 ते 13 / 9 / 2023 (१० दिवस)
४.	पनवेल महानगरपालिका हद्दीतील कळंबोली येथील सेक्टर-१ के.एल.ई. कॉलेज ते सेक्टर- १२ येथील तलाव पर्यंत रस्त्याचे उन्नतीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	
५.	पनवेल महानगरपालिका हद्दीतील स्वामी नारायण मार्ग (न्यायाधीश निवास (ठाणा नाका रोड) ते मित्रानंद सोसायटी) पर्यंत रस्त्याचे काँक्रीटीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	
६.	पनवेल महानगरपालिका हद्दीतील खारघर येथील ०३ मंकी पॉईंट ते उत्सव चौक रस्ता काँक्रीटीकरण करणे व खारघर मधील विविध रस्त्यांचे सुशोभिकरण व उन्नतीकरण करणे. अंदाजपत्रक तयार करण्यासाठी दर.	

या कामाच्या दरपत्रकाबाबतची माहिती पनवेल महानगरपालिकेच्या www.panvelcorporation.com या संकेतस्थळावर दि. 4 / 9 / 2023 रोजी प्रसिध्द करण्यात येईल. सदर बाबींचे बाजार भाव स्वतःच्या लेटरहेडवर महानगरपालिका कार्यालयात अथवा pmbandhkamdept01@gmail.com या ई-मेलवर मुदतीत पाठविण्यात यावे ही विनंती. सदर दर हे अंदाजपत्रक तयार करण्यासाठी आहेत. याची कृपया नोंद घ्यावी.

(डॉ.प्रशांत रसाळ)
अतिरिक्त आयुक्त-1
पनवेल महानगरपालिका

मा. आयुक्त , पनवेल महानगरपालिका हद्दीतील विविध रस्त्यांचे डांबरीकरण , उन्तीकरण व कॉन्क्रिटकरण करणेकरीता अंदाजपत्रक तयार करण्यासाठी दरपत्रक मागविण्यात येत आहेत.

Sr. No.	ITEM		Unit	RATE
Civil Work				
1	Providing and fixing Precast R.C.C. Central Verge M-25 grade CC without scada of parabolic shape of total height 650mm (Above GL 450mm) and breadth 250mm at bottom and 85 mm at top and length 450mm precast with entire surface in M-25 grade including reinforcement 10 TOR @ 225 c/c (VERTICAL RING), 9 bars of 8 mm dia longitudinal, with 50mm weep hole @ 1000mm c/c including curing, transportation, fixing in position etc. complete in C.M. 1:3, 25mm thick joint as per approved drawing, design & specification and reinstating the surface as directed by Engineer in charge. excluding GST		Rmt	
2	Providing and fixing Precast tapering RCC M-40 grade Kerb Type-VI B (as per detailed drawing attached) in R-40 IRC specification (1000X250-150 X350) embeded 200mm below Ground nearly with fixing in position cement mortor 1:2 etc. complete,including redoing the surface as specified and directed by Engineer-in-charge including transportation,Loading,unloading and including all other taxes and exluding GST.		Rmt	
3	Supply & Fixing of Precast Cement concrete cylindrical Bollards of size (as per detailed drawing attached) & 950 mm height (650 mm above finish level of 150 mm diameter) manufactured by M-30 grade of concrete (with VSI quality standard Artificial Sand) by vibro compaction process using FRP moulds & painting with approved weather sheild paint of approved colour & texture, single & double groove cut inside of 10 mm width and 75 mm wide placed at 150 mm top finish (reflective fluorescent tape should be stucked at 75 mm grooved placed) as per detail drawing as directed by Engineer in Charge. Including transportation, loading, unloading and including all taxes and excluding GST.		Nos	
4	Providing and Supplying with fixing FRP Dust Bin 42 lit. capacity, outer cover of FRP Finish (600 mm dia x 1325 mm height) to be fixed 1125 mm height above footpath finish level having dumping opening of size ((500 mm (W) x 100 mm (H)) & openable door on the rear side of 600 mm width, consisting of removable internal bucket of FRP Finish (500 mm dia x 1000 mm Height) anchored internally on two side, as per drawing and designs, specification etc complete as directed by Engineer Incharge including transportation, loading, unloading and all other taxes and excluding GST.		Nos	
5	Providing and applying Cold plastic paint two component rolled on surfacing material solvent free,high build two pack seamless,tough,skid resistant,material with has property of attaining 2.00mm thickness in single coat application white(or as required colour)based on glass and colour retaining acralic cross linking resin system for coloured road surfacing including surface cleaning and cost of all material etc. complete. (All inclusive on bitumen or concrete surface) work shall carried out as per IRC 35-2015 clause 2.2)		Sqm	
6	Providing and Fixing Solid natural Camel Brown Sand Stone Single Seating of D-76 Type of size Top Circular Slab 1'6" Dia 3" and Support - 10" Dia and 1'3" High with Top surface polished and remaining surfaces natural finish, fixed and cladex chemical as per Detailed Drawing Attached and Type suggested by Architect and Engineer Incharge including transportation, loading, unloading and all other taxes and excluding GST.		Nos	

7	Providing and Fixing Camel Brown Sand Stone Bench of Type D-75 ((01 Top Slab -(5'11" x 1'11" x 3") and 02 Supports - (6" x 1'1" x 1'3")) with top surface polished and remaining surfaces natural finish, fixed with cladex chemical as per Detailed Drawing Attached and Type Suggested by architech and as directed by Engineer Incharge including transportation, loading, unloading and all other taxes and excluding GST.		Nos	
8	Providing and Fixing Camel Brown Sand Stone Bench of Type D-73 ((01 Top Slab -(3'5" x 1'4" x 3") and 02 Supports - (6" x 1'1" x 1'10")) with top surface polished and remaining surfaces natural finish, fixed with cladex chemical as per Detailed Drawing Attached and Type suggested by architech and as directed by Engineer Incharge including transportation, loading, unloading and all other taxes and excluding GST.		Nos	
9	Providing & Fixing of Tactile Tiles for Footpath of size 300 x 300 mm and 60 mm thick of approved colour with top grooving of 260 mm (L) x 35 mm (W) x 5 mm thick by leaving 20 mm cover distance from corner edge and at 75 mm centre for Directional Tactile tile and top grooving of 25 mm dia. 5 mm thickness placed at 50 mm centre to centre distance by leaving 20 mm cover distance all four sides for warnner Tactile tiles. Having high strength and high wear resistant cement concrete Tactile Tiles. The Tactile Tiles must confirm to IS 13801:1993. Laying Tiles in position over prepared bed of natural sand / crushed sand of 50 mm. Tiles must be manufactured on automatic machines with mechanical vibration and rubberized moulds. The Tiles will be made using wear resistant materaial in the face mix as specified architects. The Tiles will be cured in controlled environment to ensure efflorescence free material. Colour as specifies by architect, using UV resistant colour pigments for laxness. as per detailed drawings & specifications and as directed by Engineer in Charge for road work only.Including transportataion, Loading,		Sqm	
10	Providing and fixing Precast-Concrete Grating in M-40 grade for tree Section of Various diameter thickness 80mm thick machine moulded steam cured cement concrete perforated slab for tree guard laid over crushed gravel and crush stone in FRP having circular opening as per requirement on site as per detailed drawing and specification and as directed by Engineer in Charge. Including transportation, loading, unloading and all other taxes and excluding GST.		Sqm	
11	Providing and laying natural flair Shot Blasted paver block of 60mm thick non slippery concrete paving blocks of sizes 247.50 x 165 x 60mm thickness the paver block should be bevelled edges with face of block giving undulating guide, in grey and brown colour as per the IS 15658-2006.laying paving blocks in position over prepared bed of natural sand/crushed sand 50mm.The block should have exposed aggregate be shot blasted and bossed surface material made of high quality aggregate with colour UV stabilized and made from rich oxides. Block to be manufactured in fully automatic ISO certified vibration compaction machine having strength of M40 and cured in controlled temperature through mist. Transportation and fixing on site with all material and labour, including transportation, loading, unloading and all other taxes and excluding GST.		Sqm	
	Grey Colour			

12	Providing and laying natural flair Shot Blasted paver block of 80mm thick non slippery concrete paving blocks of sizes 247.50 x 165.00 x 80mm thickness the paver block should be bevelled edges with face of block giving undulating guide, in grey and brown colour as per the IS 15658-2006, laying paving blocks in position over prepared bed of natural sand/crushed sand 50mm. The block should have exposed aggregate be shot blasted and bossed surface material made of high quality aggregate with colour UV stabilized and made from rich oxides. Block to be manufactured in fully automatic ISO certified vibration compaction machine having strength of M40 and cured in controlled temperature through mist. Transportation and fixing on site with all material and labour, including transportation, loading, unloading and all other taxes and excluding GST.		Sqm	
	Grey Colour			
13	Providing & laying Natural Flair Shot Blasted paver block of 60mm thick non-slippery concrete paving blocks of size 165.00 x 165.00 x 60mm thickness, the paver block should be of bevelled edges with face of block giving undulating guide, in terracotta colour as per the IS 15658-2006, laying paving blocks in position over prepared bed of natural sand / crushed sand of 50 mm. The block should have exposed aggregate be shot blasted and bossed surface material made of high quality aggregate with colour UV stabilized and made from rich oxides. Block to be manufactured in fully automatic ISO certified vibration compaction machine having strength of M40 & cured in controlled temperature through mist. Transportation and fixing on site with all material and labour, including transportation, loading, unloading and all other taxes and excluding GST.		Sqm	
	Black and Terracotta			
14	Supplying & Fixing Cobbles stone of required thickness with natural finish & four side machine cut Granite Cobbles of different colours & fixing in 1:6 cement mortar on an average 50mm thick cement bed. Gaps in two stones to be filled by 1:3 cement mortar & filler of colour cement with sunk pointing and machine cut straight line looks square shape as per detail drawing & specifications & as per the directed by engineer-in-charge including transportation, Loading, unloading and all other taxes and excluding GST.		Sqm	
	a) The Cobble stone of dimension 100mm (L) x 100mm (W) x 65mm (H) to be fixed on the footpath			
	b) The Cobble stone of dimension 100mm (L) x 100mm (W) x 80mm (H) to be fixed on MV lane			
15	Providing, Designing, Making & Fixing or Installing in position approved Mural to be fixed on external wall made up of fibre glass including deco paint and PU coating of approved colour and shade and make cleaning the mural including all leads & lifts, including all necessary arrangements like machinery scaffolding tools, equipment, taxes, labour etc complete as per details directed by Engineer in Charge. Including all other Taxes Excluding GST.		Sqm	
	Height - Not More Than 4.5M			
	Width - Not More Than 4.5 M			
	Thickness -2to 3 mm Weight - 7.5 TO 8.00 KG PER Sq.Mt			
16	Supplying of following saplings in various heights of plants including transportation, loading, unloading within PCMC limits and all other taxes etc complete 2m height			
a	Manila Palm		No	
b	Fox Tail Palm		No	
c	Ficus Blackiyana		No	

d	Neem		No	
e	Wad		No	
f	Pimpal		No	
g	Miligtonia		No	
h	Mohagani		No	
i	Terminalia		No	
j	Plumeria alba		No	
k	Lagistomia		No	
l	Ficus Panda		No	
Electrical				

1	Pole-top luminaire in 30 w with integral power supply , Symmetrical light distribution. Decorative Luminaire made up of specially contoured spun aluminium, die cast aluminium and non corrosive stainless steel fasteners. Pressuce die cast aluminium magudam attachment added for aesthetics. Translucent diffuser. Pure polyester powder coated graphite grey & gold / anthracite grey & gold / jet black & gold. Available colour temperature 3000K / 4000K / 5700K, Colour rendering index (CRI)>80. SDCM-3 MacAdam. LED module with expected service life of at least 60,000 operating hours.The lamp compartment encased inside the top portion and the bottom portion attached to a mounting base.Suitable for mounting on 50mm OD pipe. Cable entries for through-wiring of mains supply cable. Prewired with E27 holder and suitable for operating on 240V, 50Hz single phase ac supp Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. Surge protection 4KV ,Driver efficiency >85%, Power factor >0.90, operating temperature 0-50degree THD. similar to KLITE Magudam Midi series,Unilamp,LIGMAN Etc.OEM Shoud Have their own manufacturing unit in India		Per Item	
2	3000mm heritage architectural with provision to fix decorative post top lights pole made of circular mild steel pipe (grade YST 210) 88.9mm Dia x 2.9mm with 2988mm height. Pole has ornamental decorative base made of cast iron (322mm Dia x 237mm Height). Pole sectionwith decorative rings welded by certified welders using high end MIG welding processes. PDC aluminium service door 348mm height x 80mm width shall be provided with the company logo embossed on the bottom of the door and safety rope. The control gear tray is prewired with 2.5 Sq.mm cable, 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Any other internal cables and connections shall not be covered in the scope of supply. Mild steel mounting plate 200mm square x 12mm thick steel of grade E250 to IS 2062 : 2011 with 4 elongated holes 38 x 19 to suit M16 x 300mm bolts of grade 4.6 at CC 140. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. All dimension are within +/- 5% tolerance. After fabrication, entire pole is shot blasted (Inhouse). The pole is coated with pure polyester powder coating or		Per Item	
3	Light coulmn Sq.150 x 4000mm with integral Luminaire of 40 w with Electronic driver ON/OFFmade of extruded aluminium alloy (grade 6063) with die-cast aluminium components and non corrosive SS fasteners. • Shielded light. • For optimum illumination,these luminaries can be supplied in different heights. • Clear toughened glass. • Mounting plate with an anchorage unit made out of hot dip galvanised steel for extra guarantee against corrosion. • Cable entries for through-wiring of mains supply cable. • Integral constant current power supply. • CRI (Ra) : >80 (90 CRI - On Request). • Prewired with LED driver and suitable for operating on 240V,50Hz single phase ac supply.Extruded aluminium bottom pipe (grade 6063 with test certificate) Sq. 150 x 3mm thickness, extruded aluminium stem with inner ribbed Sq.30 x 2mm thickness, extruded aluminium top pipe with inner ribbed. SS fasteners. Pre treated silicone gaskets. PDC aluminium service door 330mm height x 75mm width at 335mm height above the base plate shall be provided with the company logo embossed on the bottom of the door and safety rope. The control gear tray is prewired with 2.5 Sq.mm cable, 6A MCB and 32A terminal connectors for loop-in / loop-		Per Item	
Electrical Department				
It. No	ITEMS	Load in watt	UNIT	Rate

23	<p>Design, Manufacture, Supply And Installation Of High Quality Customised Light Tower, Protection Rating : Ip65, Max Power : 15-20 W/Ft, Beam Angle & Cct : Customised & Programmed, Body : Having Combination Of Either Material Or Complete Single Material Of Following Item: Extruded Aluminium/Stainless Steel/MS Gi With Chrome/Pu/Pvd Coating Or Mirror Finish, Of Circular Dia : 600-1000 Mm, Diffuser : Polycarbonate/Glass/Acrylic, Transparency: Milky/ Frosted/ Transparent White. Cnc Cutting To Be Included If Required At Site. Light Tower Should Have Circular Base Plate Of Size 800-1200Mm Minimum Thickness Of 12Mm Make : La Martini [Model Lmlt-016], Kenson Solace, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation. Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	3150	FEET	
24	<p>Design, Manufacture, Supply Of High Quality Customised Light Tower, Protection Rating : Ip65, Max Power : 5-10 W/Ft, Beam Angle & Cct : Customised & Programmed, Body : Extruded Aluminium/Stainless Steel/MS Gi With Chrome/Pu/Pvd Coating Or Mirror Finish, Width : 150-300 Mm, Diffuser : Polycarbonate/Glass/Acrylic, Transparency: Milky/ Frosted/ Transparent White. Cnc Cutting To Be Included If Required At Site. Make : La Martini [Model Lmlt-012], Kenson Solace, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation. Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	1640	FEET	
25	<p>Design, Creating Special Mould, Manufacturing, Supplying And Erecting Designer Polymer Resin Products With Surface Finish As Required. Thickness, Dia, Height And Wattage Shall Be Determined From Design. Make : La Martini, Kenson Solace, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation. Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	1240	KG	
26	<p>Design, Manufacturing, Supplying And Erecting Designer Light Column, 2.2 Meter Long, having thick With Base Plate Of 300X300X16Mm. Light Column Should Have Inbuilt Led Light Of 20W And 30-50W Of 3500-6000 K Cct Ip 66 With Inbuilt Driver Of Moc Ss With Pvd Coating In Graphite Grey Or As Per Site Requirement Of Make La Martini [Model Lmscl56-3] / Sanaya Energy / Kenson Solace / Strulide / Kreative Krafterz. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation. Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	5580	NOS	

27	<p>Design, Manufacturing, Supplying And Erecting Designer Light Column, 0.8 Meter Long, 10-15W Led Cylindrical And Opal Acrylic Diffuser Of In 3000K+-250K. Operating Voltage 240V, Power Feator >0.90 Ip 55; With Base Plate And Having 4.5Kv Surge Protection Moc Ss With Pvd Coating In Graphite Grey Or As Per Site Requirement Of Make La Martini [Model Lmscl56-1] / Sanaya Energy / Kenson Solace / Strulide / Kreative Krafterz. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	400	NOS	
28	<p>Design , Manufacture, Supply And Erection Of High Quality Customised Light Art Columns, Light Art Pattern Should In Ascending And Descending Order Height. Design Of Light Art Column Should Compliment Theme Of Nature And Fauna Of Respective Area.Protection Rating : Ip65, Max Power : 18-20 W, Beam Angle & Cct : Customised & Programmed, Body Made Up Of Either Combination Or Single Following Material : Premium Solid Surface/Extruded Aluminium/Stailness Steel/Ms Gi With Chrome/Pu/Pvd Coating Or Mirror Finish, Width Of Single Light Column : 1000 Mm, Diffuser : Polycarbonate/Glass/Acrylic, Transperancy: Milky/ Frosted/ Trasnperant White. Cnc Cutting To Be Included If Required At Site. Approved Solution Provider : Strulide, La Martini, Kenson Solace, Kreative Krafterz, Saco Technologies. Solution Provider'S Authorisation Letter Shall Be Submitted At The Time Of Bidding Or The Bids Will Be Rejected Outright.Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	400	FEET	
29	<p>Design, Manufacture, Supply And Installation Of High Quality Customised Light Art Effect , Having Protection Rating : Ip65, Max Power : 80-100 W, Beam Angle & Cct : Customised & Programmed, Body Made Up Of Either Combination Or Single Material Of Following Material : Extruded Aluminium/Stailness Steel/Ms Gi With Chrome/Pu/Pvd Coating Or Mirror Finish, Square Base Dimensions : 2 M X 2 M, The Structural Steel Armature Is Covered With Geometric Laser Cut Design. Lighting Effect Move Around Base Wall , Within And Between Towers . Light Tower Material Shall Be Precision Cut Laser Finish And Shall Have Diffuser : Polycarbonate/Glass/Acrylic, Transperancy: Milky/ Frosted/ Trasnperant White. Cnc Cutting To Be Included If Required At Site. Approved Solution Provider : Strulide, La Martini, Kenson Solace, Kreative Krafterz, Saco Technologies. Solution Provider'S Authorisation Letter Shall Be Submitted At The Time Of Bidding Or The Bids Will Be Rejected Outright.Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.</p>	100	SET	

30	Design, Manufacture, & Supply Of High Quality Customised Light Art Installatoin, Protection Rating : Ip65, Max Power : <50 W, Beam Angle & Cct : Customised & Programmed, Body Made Up Of Either Combination Or Single Material Of Following Material : Extruded Aluminium/Stailness Steel/Ms Gi With Chrome/Pu/Pvd Coating Or Mirror Finish,Consisting Of 5 Light Columns Of Height 2.5-5 Meters, Base Plate : 2Mx2Mx20Mm With Inbuilt Dirver Diffuser : Polycarbonate/Glass/Acrylic, Transperancy: Milky/Frosted/ Trasperant White. Cnc Cutting To Be Included If Required At Site. Make : La Martini, Kenson Solace, Saco Technologies, Strulide, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected.Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.	50	SET	
31	Design, Manufacture, & Supply Of High Quality Customised Light Bars, Protection Rating : Ip65, Max Power : <5 W/Ft, Beam Angle & Cct : Customised & Programmed, Body : Extruded Aluminium/Stailness Steel/Ms Gi With Chrome/Pu/Pvd Coating Or Mirror Finish, Width Single Bars : 250 - 400 Mm, Diffuser : Polycarbonate/Glass/Acrylic, Transperancy: Milky/Frosted/ Trasperant White. Cnc Cutting To Be Included If Required At Site. Make : La Martini, Kenson Solace, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected.Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.	1310	FEET	
32	Supplying, Installation And Commissioning Of Glare Free Led Projector/ Profiler/ Any Customised Light, Beam Angle : 03°, 09°, 15°, 25°, 45°, 60°Or As Per Site Requirement, Supply Input : DC Input with separate Driver Ac 220V, 50Hz., 3000K To 6500K, Ip65 With Aluminium Body Complete As Required. Wattage 18-20W Of Approved Make/Solution Provider La Martini, Kenson Solace, Strulide, Saco Technologies Global, Kreative Krafterz. Manufacturers/Solution Provider'S Authorization Certificate Shall Be Submitted Along With Tender Or The Bid Will Be Outright Rejected.	1800	NOS	
33	Supply , Installation ,Testing & Commissioning (Site) Of Monoblock Chassis, Power Distribution Centre Panel As Per Below Specifications:- - Body Construction Made Up Of Imported, Glass Fiber Reinforced Abs Enclosure With Hinged Door & 3 Point Locking - Ip66 Ik10 - Outdoor And Having Required Switchgear & Spd As Per Directions Of Engineer And Earthing Terminals. Of Make : Kenson Solace, La Martini Safybox, Kreative Krafterz, Robroy, Vynckier Dimension : 600 X 400 X 230 Mm	150	NOS	
34	Supply , Installation ,Testing & Commissioning (Site) Of Water Resistant Power Junction Box, Imported, Made Up Of Rugged, Non-Corrosive, High Impact Ik08, Polycarbonate On Both Front And Back Portion, Non Yellowing, Ip66, Of Make (Kenson Solace Spls Aboxi , Robroy, Vynckier) Ui= 690V With Terminals, Molded Nylon Encases Connectors That Use Screw Compression To Secure The Wires, Protection Against Water Jets And Dust From All Directions.		NOS	
35	Site Of Other Hardwares - Interlocks, Angles, Channels, Foundation Bolts, Nut Bolts, Soldering		KG	

36	Supply , Installation ,Testing & Commissioning (Site) Of Wifi Router 4G/5G, Integrated Sim Card Slot High-Speed 4G Lte/3G Connections With Downlink Speeds Up To 150 Mbps And Uplink Speeds Up To 50 Mbps Wi-Fi Speeds Up To 300 Mbps Fast Ethernet Wan Port And Four Fast Ethernet Lan Ports Or Switch Having Maximum Speed Is 10Mbps To 100Mbps.		NOS	
37	Supply , Installation ,Testing & Commissioning (Site) Of Unique Data Processing Unit, Pc Online Used, Controllers Can Be Multi-Connected.8-Channel Output Signal (Data-Independent), Applicable For Small, Medium And Large Engineering Projects And Remote Transmission. Intelligent Id Set By Controller Which Is Stable And Reliable.Same Content Can Be Shown In More Than One Screen. Control The Led Digital Tube Screen And Led Pixel Light Screen Those With Variety Of Regular Chips. Dmx512 Lighting Fixture: Sw-D, Sw-U, Ucs512A/B/C0/C4, Dmx512Ap/Sm512, Sm16512, Standard Dmx512 Can Be Integrated.		NOS	
38	Supply Of Dmx Isolator Or Splitter Provides Isolated Optical Dmx Splitter Provides 8 Outputs From A 1 Input And Input Voltage: Ac 110 To 220 V, 50 Hz, Product Features: Group 1 & Group 8 Dmx Signal Change. Function: Signal Amplification Shaping Capabilities Extend Signal Transmission Distance. The Number Of Devices To Enhance The Ability Of The Data Bus Access. Led Indicators To Show The Status Of The Signal Going To The Fixtures And Making Cable Lay Out For Multiple Fixtures At Different Locations		NOS	
39	Supply Of Dmx Signal Amplifier Provides Amplified Dmx Signal To The Additional Distance Up To Additional 500Feet, Input Voltage: Ac 110 To 220 V, 50 Hz, Product Features : Signal Amplification Shaping Capabilities Extend Signal Transmission Distance		NOS	
40	Supply Of Ip65 Power Connectors Having 3/4 Pole Cable Connector, Chuck Type Strain Relief, Current Rating 20 A Rms Continuous, Easy And Extremely Precise Locking System "Quick Lock" High Impact Materials - Long-Lasting And Reliable		SETS	
41	Supply Of Ip65 Dmx Connectors Having 3/5 Pole Cable Connector, Male/Female Connector With Improved Latch, Cage Type Contacts, "Solder Stop" For Easy Soldering, And Additional Ground Contact For Best Contact Integrity Between Chassis And Cable Connector. More Durable Housing For Maximum Reliability		SETS	
42	Programming And Synchronisation Of All The Individual Lights With The Different Modes, Colors As Per The Customised Requirements.		PER CHANNEL	
43	Site Of Automated Centrally Controlling And Monitoring Power Management System (Apms) Which Includes Control Device & Software In Provided Ip 66 Imported European Enclosure		NOS	
44	Daily Operation & Comprehensive Maintenance Package Including Monitoring And Controlling Of The Apms System From Cloud Or Server And Also Submit The Monthly Report In Eformat As Directed By Engineer-In-Charge. The Job Also Includes All Expenditure Towards Connectivity.		MONTH	
45	Design, Manufacturing & Supply Of High Quality Customised Light Art Installation, Protection Rating : Ip65, Max Power : <3 W, Beam Angle & Cct : Customised & Programmed, Body : Extruded Aluminium/Frp/Grp/Polymer, Having 34 Arms, Motion Camera, Diffuser : Polycarbonate/Glass/Acrylic, Transparency: Milky/ Frosted/ Trasperant White. Cnc Cutting To Be Included If Required At Site. Make : La Martini , Kenson Solace, Kreative Krafterz. Bidder To Submit Manufacturer'S Authorisation Along With The Bid For This Item. If Not Submitted, The Bids Will Be Outright Rejected. Final Design And Approval Shall Be In Accordance With Engineer In Charge Of Panvel Municipal Corporation.Rates Provided Are Excluding Of Civil Foundation. Bidder Should Visit Site And Provide Before After Rendering Of Design Along With Quote.	1005	FEET	

Signal				
SR	DESCRIPTION	QTY	UNIT	Rate
1	Supply & erecting of decorative Cantilever having width of min 80mm x 80mm, base plate 120mm support pole structure with Built-In LED for Red, Amber & Green Indication, with height of the pole 5.5 meter & Cantilever of 4.5 Mtr pole can take a weight of 40Kg. for mounting of the CCTV Cameras, The arm should hold bullet camera, two traffic signal and other support accessories. Hardware and component should be hot dip galvanized with Grey/Black powder coating as per design approved by municipal corporation	12	Nos	
2	Supply installation & commissioning of digital camera IP base with 5 MP, 100Mtr IR Built in Video analytics for identifying Vehicle number, RLVD, Seat belt identification, helmet identification, wrong direction vehicle and other traffic challans, with built in facility to detect vehicle density, type & category of vehicles. suitable to monitoring traffic enable 24 x7 surveillance on road and real time management of traffic on the road. Including 32GB built-in storage. IP66	48	Nos	
3	Supply installation & commissioning of digital interface device with 32/64 GB build in memory at local level works on Linux platform, should be connected on cloud to transfer live data to cloud, drive Signal controller based on traffic conditions for feedback received from CCTV, should have facility to detect traffic flow and generate algorithm to optimize green timing at signal & upload data on cloud. With IP66 housing along with required cooling mechanism.	3	Nos	
4	Supply installation & commissioning of IP Based Traffic master controller, controller having feature to perform at isolated intersections or part of synchronized chain of controller. Controller should support remote monitoring & management of signal over ethernet. One master controller should handle minimum 8 Slave controllers. It should have built-in library of minimum 8 plans. Vendor should consider number of master slaves required per junction with IP66 protection	3	set	
5	Supply installation & commissioning of IP/RS485 Based Traffic slave controller, controller having feature to perform operations based on master controller feedback. Controller should support remote monitoring & management of signal over ethernet. with IP66 protection	3	Set	
6	Adaptive traffic control algorithm with required hardware & Software	3	Set	
7	Installation of Cantilever pole along with required accessories	12	Nos	