



# पनवेल महानगरपालिका

ता. पनवेल, जि. रायगड, पिन नं. ४१० २०६

दूरध्वनीकार्यालय :- ०२२-२७४५८०४०, ४१, ४२

फॅक्स :- ०२२-२७४५२२३३

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कार्यालय जा.क्र. पमनपा /उद्यान/२२२४/प्र.क्र. २० /६१९/२०२५

दि. ०१/०१/२०२५

## जाहीर सुचना

पनवेल महानगरपालिका हद्दीतील उद्यान विकसित करणेकरीता आवश्यक त्या बाबींचे बाजारभाव दरपत्रक मागविणेबाबत इच्छुकांनी सदरचे निविदा दर दिनांक ०१/०१/२०२५ ते दिनांक ०७/०१/२०२५ रोजी सायं ४.०० वाजेपर्यंत महानगरपालिकेच्या उद्यान विभागाकडे समक्ष सादर करावीत. सदर दिनांका नंतर प्राप्त झालेले दरपत्रके विचारात घेतले जाणार नाहीत.

| Sr.No.         | Name of Work   | Unit | ठेकेदाराने द्यावयाचा दर<br>रक्कम रु.<br>(GST वगळून) |
|----------------|--|------|---|
| LIGHT FIXTURES |  |      |   |
| १              | Supply of Decorative landscape luminaire Wattage 25W Power Module LED,3000k, suitable for mounting with post top arrangement. Die-cast aluminum spigot for mounting LED driver and spun aluminum canopy which is painted white inside. Pure polyester powder coated matt black finish after phosphochromate treatment. Unique design detachable gear tray with Potted electronic LED driver with APFC, APFC, (SMPS based constant current supply), lower THD, Open Circuit Protection, over Voltage protection, Surge Voltage Protection up-to 10 kV with built in SPD of 4 kV & other safety test as per IS 15885 Part-2/Sec Sec13. Lumen efficacy of the system shall be $\geq 75$ lumen/W so that 25W luminaire shall deliver minimum 1900 lumens in 3000K CCT. Diameter should be approx 330-340mm. LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra > 80. Built-in potted electronic LED driver with APFC, (SMPS based constant current supply), lower THD <10%, Open Circuit Protection, over Voltage protection, Surge Voltage Protection upto 4kV With Built In SPD & other safety test as per IS 15885 Part-2/Sec 13. Suitable for pole mounting with OD of 76 mm max with 4 nos. hex bolt M6 X 20mm provided with the fixture. Height of fixture shall be mximum 410mm. Luminaire Lifetime @L70B50 >50,000hours. LM 80 report & TM 21 calculation should be submitted to support the same.The Light fixture shall be in compliance with IEC 60598(Supporting Test Report from NABL /UL Authorised/Intertek Laboratory) should be submitted. BIS Certificate with manufacturer name same as brand proposed should be submitted. Luminaire make shall be Havells / Signify / Wipro | Nos  |   |
| २              | Supply of 3-Meter-high Pole (lower section-1mtr,remaining GI Pipe 2mtr), having lower section OD 114mm and top section 60mm diameter and Made out of GI pipe as per IS1239. The pole must have two ornamental decorative castingin Golden color made of Pressure Diecasting in aluminium at Bottom(Casting height 120mm/lower dia 155mm)and middle casting(height 65mm and base dia 138mm) with petal design patterns as shown in drawing.The pole shall have window cutting of 300mmx80mm weather proof lush door & locking arrangement for housing of the pole to accommodate electrical accessories(Bakelite plate  | Nos  |   |

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|   | <p>and connector) for power supply connection. The window cover is fitted with allenscrews to the pole and is to be provided in bottom section of pole. The body of the pole shall be machined and polished properly to give it a smooth surface as per IS 2629 and IS2633. The decorative pole shall be duly pre-treated and painted UV resistant coating in Grey color shade. The Pole &amp; the cast iron embellishments should be machined &amp; polished properly to get the smooth finish. The coating should have a DFT of 80-90microns. Entire unit shall be given an extensive three Stage treatment with PU base detch primer, Zinc phosphate primer and PolyUrethane paint of approved color &amp; prescribed for such surfaces to make it absolutely rust and corrosion proof, as well as giving it a pleasing appearance.</p> <p>Base plate of 200mmX200mm with 12mm thickness, having 4 holes of 20mm dia at a distance of 142mm. Luminaire equivalent to Havells EROS POLE 3M</p>  |     |  |
| ३ | <p>Supply of LED bollards, Wattage 8W Power Module LED, 3000k, luminaire for landscape lighting with mid power LED as light source made of die cast aluminum using die-casting process, Screen's Impact resistance: IK07. Housing made up of aluminum pipe UV protected Pure polyester powder coated black after phosphochromate treatment. It consists of aluminum heat sink for effective thermal management, sturdiness &amp; excellent corrosion resistant. Mounting flange of MS sand casting is used at the bottom. Optical Compartment IP Rating - IP 65. Height should be approx 1000mm &amp; weight of the whole assembly shall not be more than 3kg of weight. Light source having high efficiency long life LED module with SMD LED package mounted on MCPCB. Lumen efficacy of LED &gt;130 lm/W; LED Chips of CREE/NICHIA/OSRAM/LUMILEDS make shall be used- same should be supported by LED manufacturer's tech sheet . Colour Rendering Index: Ra &gt;=80. Luminaire shall be having PC diffuser in cylindrical shape is used for glare free uniform light distribution capable of producing required CCT (3000K) with uniform lighting effect over the landscape area with atleast min 536 lumens (for 3000K CCT) with 8W max power consumption. Powered by built-in, isolated, potted electronic LED driver in ABS housing with APFC (SMPS based constant current supply) with lower THD, Output Short / Open Circuit protection, Over Voltage protection, Surge Voltage protection. Luminaire Operating temperature: -10 °C to +45 °C, Operating voltage range: 140 V - 270 V, Average life L70B50: 50000 hours BIS Certificate with manufacturer name same as brand proposed should be submitted. Luminaire make shall be Havells / Signify / Wipro</p> | Nos |  |
| ४ | <p>Supply of exterior BIS registered LED flood lighting luminaire for area lighting with Die-cast aluminium housing, powder-coated finish, Clear toughened glass of 4mm thickness. Total System wattage not exceeding 250W with system lumen output &gt;30,000 lm with all LEDs on , minimum system lumen efficacy &gt;120 lm/w. Fixture should have Height 402 mm±5% including surface mount base width 83 mm±5% , length 346 mm ±5% with constant locking hinges for simple position control from various angles without special tools. Fixture shall be suitable to operate at an ambient temperature range of -10°C to 45°C and complete luminaire shall be IP66 and IK07 rated. LED Life time shall be at least L70B50 @ 50000 burning hours at 50°C. LED should be with ceramic package of make Nichea, Osram, Cree, Lumiled only. THD&lt;10%, power factor &gt; 0.95, CRI &gt;70.</p> <p>The product should be BIS approved with R number mentioned on product label. To be supported with Product test reports - LM79, BIS Report and LEDs Test Reports. Luminaire shall be conforming to BIS i.e. IS 10322 (Part 5/Sec 5) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.</p>  | Nos |  |

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|    | Luminaire make shall be Havells / Signify / Wipro  |     |  |
| ५  | Supply of exterior BIS registered CCT of 3000K up-down LED luminaire for facade wall lighting with Gray pure polyester powder coated ,Pressure die-cast aluminium housing for efficient thermal management, sturdiness & excellent corrosion resistance. The housing provides IP66 protection for high reliability in outdoor applications. Total System wattage not exceeding 15W with system lumen output >1200lm with all LEDs on, minimum system lumen efficacy >80 lm/w. Fixture should have Height 275 mm ± 5% including width 100 mm ± 5% . The rated voltage of the Luminaire should be 240 VAC, Luminaire shall be offered with a Driver inside. Fixture shall be IP66 and IK07 rated. LED Life time shall be at least L70B50 @ 50000 burning hours at 45°C. THD <10% & Power Factor shall be >0.95; LED should be COB type of make Bridgelux, Nichea, Osram, Cree, Lumiled only. Luminaire shall be supplied with all necessary accessories like extension cables, Junction boxes, Supply cable, Driver (If required); The product should be BIS approved with R number mentioned on product label. To be supported with Product test reports - LM79, BIS Report and LEDs Test Reports. Luminaire make shall be Havells / Signify  | Nos |  |
| ६  | WORK PRO presents its new series of garden speakers for Low Impedance and High Impedance Installations.100V Line Power Taps 30 W / 15 W / 7.5 W / 3 W Sensitivity 89db. Grey, Mimetised stone IP56   | Nos |  |
| ७  | Work PRO amplifier offers 4 class D channels with 500 W per output. It can work both in 70V and 100V line (selectable through dipswitches). Each channel has its own volume control and LED indicators 1 HU rack 19 inch.  | Nos |  |
| ८  | Supply and providing Designing, Installation, Programming, & Calibration for the outdoor speakers  | Nos |  |
| ९  | Supply of Decorative landscape luminaire Wattage 30W Power Module LED,3000k, suitable for mounting with post top arrangement. Die-cast aluminum spigot for mounting LED driver and spun aluminum canopy which is painted powder coated graphite grey finish. The diffuser shall be clear PMMA single peice. The luminaire shall incorporate an effective heat sink design to maintain the operating temperatures at LED junction and the IP65 optical compartment. colour temperature (CCT) of 3000K with input wattage 30W, colour rendering index CRI >= 70 and residual flux of 70% (L70) @ 50,000 hours at Ta of 25°C.The luminaire shall be suitable for operating within temperature range from - 10°C to + 40°C. The LED used should be high power Epoxy LEDs (Make Osram/bridgelux/nichia/cree) with Macadam <= 5. The luminaire should be deigned to operate at any voltage from 140V to 280V, with Power Factor ≥ 0.95 and shall be provided with optional built in Over Voltage and Under Voltage protection and internal surge protection of 4/4 kV in both Common & Differential Modes and external surge protection of 10 kV, electrical Class I. Overall outer dimensions of luminaire shall be Ø330mm (±3%) and 515mm (±5%) Height and the shape shall be as per the sketch attached herewith. The driver needs to be in a metal enclosure. The luminaire shall comply with safety requirements of applicable BIS standard and the Bidder shall submit a copy of valid BIS certificate.The luminaire should be having a warranty for a period of 2 years against any manufacturing defects. The Manufacturer should have valid ISO 9001:2015. The manufacturer should have internal testing equipment's especial 2m Integrating Sphere, IPX6, Humidity Chamber. The manufacturer shall submit the LM 80 report along with the tender. Similar to Model no.HYDRI Ø330 PT CLEAR 30w LED 30K . The luminaire should be RoHS compliant as per Government notification and with a valid BIS Number. Havells / Wipro/ Reytek |     |  |
| १० | Supply of 1000m Height Decorative Bollard, made of Aluminium pipe. The luminaire should be with High Pressure Die- Cast Thermal Management for longer life of the LEDs and the IP65 optical compartment. The diffuser  |     |  |

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|    | <p>shall be Optical grade opal PMMA pipe of diameter not less than 85mm. The decorative pedestal to be mounted on a suitable size Aluminium plate. The mounting plate shall be provided with proper holes for alignment of the bollard. The system AC wattage of the luminaire shall be 9W (<math>\pm 10\%</math>), colour rendering index CRI <math>\geq 70</math> and residual flux of 70% (L70) @ 50,000 hours at Ta of 25°C. Colour temperature (CCT) of 3000K. The luminaire shall be suitable for operating within temperature range from - 10°C to + 40°C. The light source should be (Make-Osram/bridgelux/nichia/cree/Lumiled) with Macadam <math>\leq 5</math>. The luminaire should be designed to operate at any voltage from 140V to 280V, with Power Factor <math>\geq 0.95</math> and shall be provided with optional built in Over Voltage and Under Voltage protection and internal surge protection of 4/4 kV in both Common &amp; Differential Modes. The luminaire shall comply with safety requirements of applicable BIS standard and the Bidder shall submit a copy of valid BIS certificate. Overall outer dimensions of luminaire shall be SQ135mm (<math>\pm 3\%</math>) and 900mm (<math>\pm 5\%</math>) Height and the shape shall be as per the sketch attached herewith. The manufacturer shall submit the LM 80 report along with the tender. Similar to Model No. Cancer <math>\varnothing</math>100mm BP 900H Clear 9w LED 30K . The luminaire should be with a valid BIS Number.Brand-Havells / Signify / Wipro/ Reytek</p>   |  |  |
| २१ | <p>Supply &amp; installation of 3M height designer decorative Post Top pole made in combination of galvanized circular pipe which is fabricated using 114mm dia x 3mm thick base section with Minimum height of 1200mm, the middle section is of 60mm dia x 3mm thick with height of section is 1800mm. The bottom and middle section of the pole shall be provided with decorative cast aluminium embellishment to add aesthetic on the pole as shown in the drawing. The pole is to be provided with a surface mounting suitable base plate of 200x200mm and suitable thickness as per IS standards and structural reports. Decorative ring is made of cast aluminium material. The decorative base is made of 1 piece cast aluminium material with minimum dia of the base is <math>&gt;120</math>mm &amp; height is <math>&gt;120</math>mm. The designs on the embellishment as shown in the drawing needs to be neat and clean. All dimension is within <math>\pm 5\%</math> tolerance. The pole should be provided with an inbuilt junction box to fix two-way connector and 6A MCB at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pedestal to be mounted on a suitable size steel plate. The mounting plate shall be provided with Round holes for alignment of the pole. The suitable size foundation bolt shall be supply along with the pole of EN 8 grade. The pole shall be coated with etch primer and further with epoxy zinc phosphate primer &amp; then painted with environmentally stable polyurethane paint (coating thickness - 80 microns minimum). The manufacturer needs to provide a structural analysis for structural stability of the pole with the relevant IS standards IS 1239/1161/E250 needs to be clearly mentioned. The same needs to be confirmed in form of Test Certificates from the manufacturer. The Manufacturer should have valid ISO 9001:2015. Please refer the attached drawing no – 3M PT POLE Havells / Signify / Wipro/ Reytek</p> |  |  |
| २२ | <p>Supply of decorative luminaire made of Spun aluminium body with an effective heat sink design to maintain the operating temperatures at LED junction and other components within permissible limits corresponding to the designated design life. The Post Top bracket made in combination of steel pipe sections of <math>\varnothing 60</math>mm dia and <math>\varnothing 75</math>mmDia and base plate for suitable mounting as per drawing. The brackets shall be a single piece assembly and completely. The complete fixture with bracket should be</p>  |  |  |

painted with coastal application paint. The luminaire shall be provided with highly efficient PC/PMMA lens to provide uniform photometric distribution suitable for typical streetlight application and facilitate minimum glare, with degree of protection as IP<sub>65</sub> Lamp Compartment. The luminaire NABL 3rd party report needs to be attached for IP<sub>65</sub> and ies file for lighting distribution from goniometer and LM<sub>79</sub> Report from 3rd Party NABL. The diffuser shall be 2 piece moulded PC clear Ribbed diffuser. The design of the fixture has to be the same aesthetics as shown in the drawing. The system AC wattage of the luminaire shall be 44W (± 2%) with MCPCB of not less than 2.5 mm thickness and Cu of 34 microns and 2.4 thermal conductivity for fixture. Colour temperature (CCT) of 3000K, colour rendering index CRI >= 90 and residual flux of 90% (L90) @ 40,000 hours at Ta of 25°C. The luminaire shall be suitable for operating within temperature range from - 20°C to + 40°C. The LED used should be high power LEDs (Make-Osram/bridgelux/nichia/cree/Lumiled) with Macadam <= 4. The luminaire should be deigned to operate at any voltage from 240V to 280V, with Power Factor ≥ 0.94 and shall be provided with optional built in Over Voltage and Under Voltage protection and internal surge protection of 8/8 kV in both Common & Differential Modes and external surge protection of 20 kV, electrical Class I. The driver arrangement should be such that it can be easily maintained without opening the IP<sub>65</sub> Lamp Compartment. All the mounting hardware shall be SS304 grade for better life. The luminaire shall comply with safety requirements of applicable BIS standard and the Bidder shall submit a copy of valid BIS certificate. Overall outer dimensions of luminaire shall be Ø200mm (±2%) and 194mmH (±2%) Height and the shape shall be as per the sketch attached herewith. The offered luminaire shall be made in India with local value addition of not less than 90%, with the housing manufactured in India. A declaration from the manufacturer on its letter head in this regard shall be submitted by the Bidder failing which the bid will be considered and non-responsive and accordingly rejected. Further, any misrepresentation in this regard will lead to rejection and blacklisting of the Company. Important: In case the Bidder proposes alternate make, it would be necessary to submit a fully functional sample of the luminaire along with the bid failing which the bid will be considered and non-responsive and rejected. The luminaire should be having a warranty for a period of 4 years against any manufacturing defects. The Manufacturer should have valid ISO 9001:2015. The manufacturer should have internal testing equipment's especial 3m Integrating Sphere, IPX<sub>5</sub>, IK<sub>30</sub>, Humidity Chamber. The manufacturer shall submit the LM<sub>80</sub> report along with the tender. Similar to Model No. REYTEK SABIK 20 PT Clear 44w LED 30K . The luminaire should be with a valid BIS Number.Havells / Signify / Wipro/ Reytek

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| 23 | Supply & installation of 3M height designer decorative Post Top pole made in combination of galvanized circular pipe which is fabricated using 100mm dia x 3mm thick |  |  |
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|           | <p>base section with Minimum height of 3000mm. The pole is to be provided with a surface mounting suitable base plate of 200x200mm and suitable thickness as per IS standards and structural reports. All dimension is within +/- 4% tolerance. The pole should be provided with an inbuilt junction box to fix two-way connector and 6A MCB at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pedestal to be mounted on a suitable size steel plate. The mounting plate shall be provided with Round holes for alignment of the pole. The suitable size foundation bolt shall be supply along with the pole of EN C grade. The pole shall be coated with etch primer and further with epoxy zinc phosphate primer &amp; then painted with environmentally stable polyurethane paint (coating thickness - 20 microns minimum). The manufacturer needs to provide a structural analysis for structural stability of the pole with the relevant IS standards IS 1234/1234/ER40 needs to be clearly mentioned. The same needs to be confirmed in form of Test Certificates from the manufacturer. The Manufacturer should have valid ISO 9001:2015. Please refer the attached drawing no - RM PT POLE Brand- Havells / Signify / Wipro/ Reytex</p>  |  |  |
| <p>୧୪</p> | <p>Supply &amp; installtion of Post Top Luminaire housing cum heat sink should be made of High Pressure Die Cast Aluminium body ring of 450mm diametre (+/-20mm) with radially outward 32 nos specially engineered thermal fins (not less than 25mm max height) for effective and longer life of leds &amp; better thermal management to serve the purpose of life of the product as required by the Customer for uninterrupted application of the Lighting Product. The light diffuser should be designed in such a way to provide continuous un interrupted (Not divided in 2 or 3 or multiple parts) Light Emmiting surface for soothing, clean and uniform lighting and aesthetics of the product. The diffuser of the complete luminaire should be single 1 piece Injection Moulded Polycarbonate Opal in nature. The diffuser shall be IK rating of &gt;= 2 (with attached internal IK report from the manufacturer). The luminaire shall be provided with continuous 360 degree light System</p> <ul style="list-style-type: none"> <li>- The luminaire shall be IP65 optical compartment.</li> <li>- Light Engine should consist of 3 nos of Metal Clad printed Circuit boards of 2.5mm thickness and 25 micron Cu thickness and RTC mounted with Epoxy 3030 Package LED of Make - Osram/Bridgelux/Nichia/Cree/Lumileds and nos between 14 to 24 nos for the uniform light distribution. The Light source must have CCT 3000k +/- 400K, CRI &gt;=90 and residual flux of 90% (L90) @ 40,000 burning hours at Ta of 25°C - The control Gear Driver compartment of the Luminaire needs to be aesthetically placed in such a way that it is not seen in the Pole and Fixture Lighting System so has to maintain the uniformity and aesthetics of the Pole Fixture</li> <li>- Acherner Post Top should have 2 aesthetically designed Arms of 120mm radial distance to support and connect the Diffuser light portion to the Pole mounting Cap - The manufacturer need to provide the luminaire shall be</li> </ul> |  |  |

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|                  | <p>suitable for operating within temperature range from - 20°C to + 40°C. The luminaire should be designed to operate at any voltage from 230V to 240V, with Power Factor <math>\geq 0.95</math> (with optional built in Over Voltage protection) and shall be provided with internal surge protection of 4 KV and external surge protection of 20 kV, electrical Class I wattage 44W <math>\pm 20\%</math> . - The luminaire should have System efficacy (Lumens/watt) 90(<math>\pm 20\%</math>) lumens/watt. - The luminaire should be having a warranty for a period of 2 years against any manufacturing defects. The Manufacturer should have valid ISO 9001:2015 . The manufacturer should have internal testing equipment's especially 2m Integrating Sphere, IPX6, IK10, Humidity Chamber. The manufacturer shall submit the LM L0 report for LED used in the fixtures. The luminaire should have a valid BIS Number. Havells / Signify / Wipro/ Reytek</p> |  |  |
| <b>SOFTSCAPE</b> |   |  |  |
| 24               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 1x1 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 25               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 1x1 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 26               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 1x1 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 27               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 1x1 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 28               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 1x1 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 29               | <p>Bag size - 25x25"<br/>Height- 8-10'<br/>Healthy and bushy plant<br/>Pit size- 0.6x0.6 meter<br/>Soil - garden sandy loam soil soil ph 5.5</p>  |  |  |
| 30               | <p>Material Specification - All frame used casting iron &amp; Thickness of FRP bench strip up to 5mm. Area: - 1.5x0.6m<br/>Capacity 3 adults, Description: -<br/>1) FRP Section: - the seating portion and backrest portion shall be made up of 9 nos. FRP trip 2 to 3 mm thick. C Section FRP channel strip of thickness up to 3mm and 1500mm long with wooden finish bolted to both the side frame. The bench strip consists of nylon end caps provided at two ends of strips for covering the end.<br/>2) Cast Iron Section: The frame and arm shall be made up of cast iron in casting process. The weight shall be 42 kg with arm.<br/>3)MS Support: MS Flat of size 40x5 mm is to be provided at two no's, width wise and no lengthwise cross support at seat and one no. at back rest.<br/>4)This bench shall comfortably accommodate 3 adults on it. The paint given to the bench shall increase the life of the product.</p>                               |  |  |
| 31               | <p>Providing, supplying and installing the outdoor fountain of following Specification.<br/>1. Construction of proposed fountains and water body.<br/>A. Height of proposed structure (3 M H) or more ,<br/>B. Water body (Round) : 5 M Dia , Depth 0.9M</p>  |  |  |

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|                                 | <p>2. Pump, Plumbing &amp; nozzles of standard quality.<br/> A. Flower Jet Fountain. Brass Stainless Steel 108 spokes or more of 24/30mm head, Alluminium Jet pipes of approx 900 mm attached to head. Brass Steel nozzle Ball. Material of Bubbler Nozzle head approx.50mm : Brass, Number of Jet Nozzle : 15 or more, Material of Pipe : CPVC or equivalent, Pump Rating for water Body : 8 or more, Type of Pump for Water Body, Submersible ,Three Phase 3 HP. Steel Body with Iron Cast, Float Automatic Safety Switch, Steel Fiber attached at bottom, Material of Plumbing : CPVC or equivalent</p> <p>3. Electrical items of standard quality , (ISI grade) Suitable Pump &amp; Copper cable , LT cable (10 sq.mm 4 Core) for connection, pipe earthing, copper wiring -4</p> <p>4. Decorative lights of standard quality : Casing of submersible Led Warm White lights, IP 68 rated, Steel Body, 9 Watts, Qty -18 Nos.5. Others: Complete Installation, digging, earthwork, plumbing, water connection, electricity connection and tiles and fitting in all respect, 3 years or more maintenance period free of cost, comprehensive on-site warranty for all items of fountains</p> |  |  |
| २२                              | <p>Providing, supplying and installing the green vertical garden setup of following Specification</p> <ul style="list-style-type: none"> <li>• Modular system with LW panels of size 30cm x 30cm x 10cm. Can be installed to any size i.e. height &amp; width</li> <li>• Can be cladded to wall directly or on fabricated structure</li> <li>• Recommended for outdoor and semi-shade application.</li> <li>• Irrigation is by simple gravity &amp; does not require potable water as there are no parts which might get clogged due to salts or solid particles</li> <li>• Weight of Living wall when fully saturated with water is 7 - 8 kg per sq ft</li> <li>• Distance between 2 trays can vary from 10"-12".</li> </ul>  |  |  |
| <b>SIGNAGES &amp; LOGO</b>      |  |  |  |
| २३                              | 18 swg SS 304 Grade Matt finish 1" depth CNC cut-out hollow backlit signage with inside LED & Backside 6mm thick imported A- Grade White 040 Acrylic Channel. Letters to be installed on 1/2" thick Clear Acrylic spacers behind the letters for backlit effect.   |  |  |
| २४                              | 18 swg SS 304 Grade Matt finish 1" depth CNC cut-out hollow logo with top side in Flat Bed UV Print Logo as per design. Backside conceal Nut bolt Fixing Provision for Logo Installation   |  |  |
| <b>PERGOLA</b>                  |  |  |  |
| २५                              | Providing and Supplying Fiber-reinforced Polymer (FRP) Pathway pergola of dimensions Size - 10M (L) x 4M (W) x 3M (H) with 16 Vertical poles (FRP) of size 250mm x 250mm , Side beams of size (250mm x 175mm) and perpendicular channels of dimensions - 150mmx100mmx300mm of 27 nos. with thickness upto 6mm.   |  |  |
| <b>GAZEBO</b>                   |  |  |  |
| २६                              | Providing and Supplying Fiber-reinforced Polymer (FRP) Gazebo of dimensions Size - 5.4M Diameter x 3.0M(H) with 6 Vertical poles (FRP) of size 250mm dia, with 6' sheet  |  |  |
| २७                              | Providing and Supplying Fiber-reinforced Polymer (FRP) Gazebo of dimensions Size - 6.0M Diameter x 3.6M(H) with 6 Vertical poles (FRP) of size 250mm dia, with 6' sheet  |  |  |
| <b>AUTO . IRRIGATION SYSTEM</b> |  |  |  |
| २८                              | Providing,Installation,Laying,Testing & Commisioning of <b>Screen Filter of capacity 25m<sup>3</sup>/h</b> with pressure guage, with complete all necessary fittings, and transportation complete etc. Make : Harit/Jain/Finolex/Eq.   |  |  |
| २९                              | Providing,Installation,Testing & Commisioning of <b>Spray Pop Up 2 TO 5.2 MTR RADIUS WITH CV. MP/ ROTATORY.</b> 0 to 360 degree rotation along with heavy duty Joint Assembly, heavy duty swing joint with complete all necessary fittings,  |  |  |

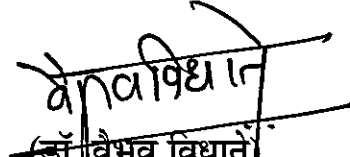


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|    | and transportation etc.<br>: K Rain/Rainbird/Hunter/Eq.  | Make |  |
| ३० | Providing,Installation,Testing & Commisioning of <b>SPRAY NOLE 2 TO 5.2 MTR RADIUS MP/ROTATORY.0</b> to 360 degree rotation along with hevdy duty Joint Assembly, heavy duty riser ( green color) shrub adaptor heavy duty ,complete all necessary fittings, and transportation etc.<br>Make : K Rain/Rainbird/Hunter/Eq.        |      |  |
| ३१ | Providing,Installation,Testing & Commisioning of <b>PC BUBBLER</b> along with heavy duty service saddle, heavy duty shrub adaptor hevdy duty riser (green color) ,complete all necessary fittings, and transportation etc.<br>Make : K Rain/Rainbird/Hunter/Eq.  |      |  |
| ३२ | Providing,Installation,Testing & Commisioning of <b>LLDPE Inline 16 mm</b> with complete all necessary fittings, and transportation etc.<br>Make: Jain/Finolex/eq.   |      |  |
| ३३ | Providing,Installation,Testing & Commisioning of <b>DRIPPER 8 LPH</b> with complete all necessary fittings, and transportation etc.<br>Make: Jain/Finolex/eq.  |      |  |
| ३४ | Providing,Installation,Testing & Commisioning of <b>3/4" HYDRANT UNIT</b> ,with hevdy dutyfabricated metal base, hevdy duty riser and unit having brassbody spring loaded along with key, Its a hand watering unit. with all necessary fittings, and transportation complete etc.<br>Make: Automat (Harit)/Eq.                   |      |  |
| ३५ | Providing,Installation, Testing & Commisioning of <b>25 mm Air release valve</b> with all necessary fittings, and transportation complete etc.<br>Make : Automat (Harit)/Jain/Eq   |      |  |
| ३६ | Providing,Installation, Testing & Commisioning of <b>PVC ball valve 63 mm ( 2" )</b> dia manufactured from high performance rigid PVC compound.Low frictional losses, solvent weld,along with all necessary fittings, and transportation complete etc. Make : Harit/Jain/Finolex/Eq  |      |  |
| ३७ | Providing,Installation, Testing & Commisioning of <b>Battery operated Timer base controler with automation valve ( 2" )</b> dia manufactured from high performance rigid PVC compound.Low frictional losses, solvent weld,along with all necessary fittings, and transportation complete etc.<br>Make: Hunter/Rainbird/K-rain/Eq |      |  |
| ३८ | Providing,Installation, Testing & Commisioning of <b>Pressure regulator divise</b> manufactured from high performance rigid PVC compound.Low frictional losses, solvent weld,along with all necessary fittings, and transportation complete etc.<br>Make: Hunter/Rainbird/K-rain/Eq  |      |  |
| ३९ | Providing,Installation, Testing & Commisioning of <b>Valve Box ( SIZE :10"</b> with circular shape and green colour with all necessary fittings, and transportation complete etc. Make: Hunter/Rainspa/Jain/Eq   |      |  |
| ४० | Providing,Installation,Testing & Commisioning of <b>Flush Valve</b> with all necessary fittings , and transportation complete etc.<br>Make: Finolex/jain/Eq.   |      |  |
| ४१ | Providing,Installation,Laying,Testing & Commisioning of <b>Pvc 63 mm 6kg/cm2</b> Pipe with all necessary fittings ,Including Excavation and transportation complete etc. Make: Jain/Finolex/Eq   |      |  |
| ४२ | Providing,Installation,Laying,Testing & Commisioning of <b>Pvc 40 mm 6kg/cm2</b> Pipe with all necessary fittings ,Including Excavation and transportation complete etc. Make : Jain/Finolex/Eq  |      |  |
| ४३ | Providing,Installation, Testing & Commisioning of <b>Non return valve 2"</b> with all necessary fittings, and transportation complete etc.<br>Make: karter/normex/eq.  |      |  |
| ४४ | Providing,Installation, Testing & Commisioning of <b>Pressure releief valve 2"</b> with all necessary fittings, and transportation complete etc.<br>Make: Automat (Harit)/eq.  |      |  |

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|--------------------------------|--|--|--|
| ४५                             | Providing, Installation, Testing & Commissioning of 5 HP monoblok/submersible pump complete with related panel board 2.5 to 3 lps @ 38-42 mh Head with all necessary fittings, and transportation complete etc. Make: Laxmi/Kirloskar/Crompton/Eq  |  |  |
| ४६                             | supply, Installation, Testing & Commissioning of 2 inch UPVC pipe Header Asembly all necessary related fittings, including, labour, transportation, etc. Complete. Make: Finolex/Supreme/Eq  |  |  |
| <b>SUBSOIL DRAINAGE SYSTEM</b> |  |  |  |
| ४७                             | Supply of drain belt of 2mm thick PVC, having a width of 20 cm, with omega shaped grooves running down its length on one side, designed for use in sub surface drainage of building foundations, landscapes, terrace / podium gardens, sports fields, farms, highways, roads, tunnels, etc. The opening to the grooves shall be 0.3 mm and the grooves should have an internal diameter of 1 mm. The drain belt should be specifically designed to use capillary forces and syphonic action to drain water from saturated soils. The fitting required is a coupler with slit having 20cm width and 2mm thickness to connect the drain belt to carrier pipe. The coupler to be attached to uPVC Single wall corrugated perforated pipe designed for use in under-drainage of surface and sub-surface land/farms, canal, highways, roads, sports fields, building foundation, construction sites, interceptor drainage, in fields/farms, intercepting canal seepage and under-drainage offline canals etc conforming to IS 9271 having moulded as well as fabricated fittings such as coupler, Tee, Cross, Single Y, double Y & Bend. Perforated pipes shall be wrapped with geotextile fabric and braiding shall be octagonal peripheral symmetric arrangements (Astral Make). The work shall include laying the belts and pipes on a bed of gravel / crushed sand and covered with gravel / crushed sand on top. The location, length and distance between the belts and pipes are predefined as per site and water conditions mentioned in the Hydrogeo report. The cost of the belt, coupler, pipe and joineries to be quoted separately. The belt and pipe to be quoted in Rmt and coupler in no. of units. |  |  |
| Total                          |  |  |  |

या कामी अटी व शर्ती खालील प्रमाणे:-

१. संस्था नोंदणी प्रमाणपत्र.
२. पॅनकार्ड(संस्थेचे नावाने अथवा मालकाचे नावाचे)
३. नमुद केलेले दर हे सर्व प्रकारचे वाहतुक खर्चासह समाविष्ट असावेत.
४. सदरची जाहीर सूचना फक्त दर खात्री करणे करीता मागविणेत येत आहे.
५. या कामी काही माहीती हवी असलेस उद्यान विभागाकडे संपर्क साधावा.
६. या कामी दरांची खात्री झालेनंतर जाहीर ई-निविदा मागविणेत येईल.
७. प्राप्त जाहीर निविदा सूचना दर स्वीकारण्याचे अथवा नाकारण्याचे अधिकार निविदा समितीला असतील.

  
 (डॉ. वैभव विधाते)  
 उपायुक्त (उद्यान)  
 पनवेल महानगरपालिका