

पनवेल महानगरपालिका जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिका क्षेत्रातील प्रभाग समिती - अ, खारघर येथील सेक्टर-२१ मधील भूखंड क्र.१५१ येथील महापौर निवासस्थान मध्ये अंतर्गत सजावट करणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका क्षेत्रातील प्रभाग समिती - अ, खारघर येथील सेक्टर-२१ मधील भूखंड क्र.१५१ येथील महापौर निवासस्थान मध्ये अंतर्गत सजावट करणे.	१८ /०६/२०२५ ते २५ /०६/२०२५ (७ दिवस)

Specification

Sr. No	DESCRIPTION	Quantity	Unit
1.	Providing and laying in position flooring of flamed black Granite stone of approved shade and size 50mm to 55mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
2.	Providing and laying in position flooring of flamed gray Granite stone of approved shade and size 50mm to 55mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
3.	Providing and laying in position flooring of flamed Black Granite stone of approved shade and size 25mm to 30mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
4.	Providing and laying in position flooring of flamed gray Granite stone of approved shade and size 25mm to 30mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
5.	Providing and laying in position flooring of polished black Granite stone of approved shade and size 25mm to 30mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
6.	Providing and laying in position flooring of flamed red Granite stone of approved shade and size 25mm to 30mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete.		Sqm
7.	Providing and laying machine cut rough Kota stone flooring 25mm to 30mm thick and required width in plain/ diamond pattern on bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.		Sqm
8.	Providing and fixing in position 12mm thk toughened glass panels fixed with aluminum glass clips of required sizes and rubber cushioning beading to glass partitions and all labour charges including all fixture and fastenings etc. as per approved drawing etc. complete		Sqm
9.	Providing and fixing in position reflective film on glass of required sizes to glass partitions including all labour charges etc. complete in all respects		Sqm
10.	Fair Item Electrical Work		
11.	Supply, Installation, testing & commissioning of LIGHT 851-35-45W Power Module LED, 3000K, Upright It's upper square frame made in die cast aluminum, auxiliary and optical compartment can be accessed by tilting the top frame. Bottom frame made in die cast aluminum with four-armed bracket with flange and a hole (Ø 28 mm) for attachment to the support. Screen made in polymethylmethacrylate (PMMA) molded in a single piece. Impact resistance:		Each

	<p>IK06. Pure polyester powder coating in Standard NERI Grey Colour. IP Rating - IP 66. Height - 605mm, Length - 325mm, Width - 325mm, Weight - 6Kg. Area Exposed to Wind(S) - 0.15 m2. Power LED Module with Company /brand name printed on PCB with the metal core plate. LED chips of CREE/NICHIA/OSRAM/LUMILED make shall be used. Colour Rendering Index: Ra > 70. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Optics with refractive lens in PMMA/PC. LED Lifetime >1,00,000hours. LM80 report from LED Manufacturer should be submitted. Safety test report as per IEC 60598/IS 10322 from UL/UL Authorised/3rd party NABL should be submitted. LM79 report also should be submitted from UL/UL Authorised/3rd party NABL Laboratory. BIS Certificate with manufacturer name same as brand proposed should be submitted. Sample should be submitted for approval from concerned engineer-in charge.(light Fixture with comprehensive maintenance with 3 year defect liability)</p>		
12.	<p>ARCHITECTURAL POST TOP POLE Supply, Installation, testing & commissioning of 4M height post top Pole Made of Grooved steel pipe section of 76mm dia. Decorative Base in Steel - Its design starting with dia 260mm for 170mm height, then tapers to 180mm, followed by a cylindrical section of 165mm dia., 365mm Height. It ends with a Top section consist of a Ring of 205mm dia. and 40mm height followed by a tapering section with Bottom dia. 175mm, Top dia 105mm and Height of 90mm. Total Height of the Base is 700mm. A Steel base plate of 300mm x 300mm is welded at the bottom of the base. This base plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. Decorative cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kg.. Top Ring-(weight- 3kgs.) made of cast iron. All cast iron parts weight mentioned are with +/- 5% tolerance. Entire pole including the decorative elements shall be made to provide pleasing aesthetics as approved by Architect/ Engineer in-charge. After Fabrication, Entire Pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. The pole should be provided with an inbuilt junction box with 1No. 32A Heavy Duty Stud type connector and 1No. 6A SP MCB, at the bottom - the inbuilt box should have a flush door of suitable size. Wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole strength. Pole & Cast iron parts are painted in 3 layer coating(coating thickness-100 microns minimum) in which 1st layer with etch primer. 2nd layer with epoxy primer & 3rd final layer with PU paint. Sample should be submitted for approval from Architect/ engineer-in-charge.</p>		Each
13.	<p>Supply, Installation, testing & commissioning of LIGHT 851-35-45W Power Module LED, 3000K, Upright It's upper square frame made in die cast aluminum, auxiliary and optical compartment can be accessed by tilting the top frame. Bottom frame made in die cast aluminum with four-armed bracket with flange and a hole (Ø 28 mm) for attachment to the support. Screen made in polymethylmethacrylate (PMMA)molded in a single piece. Impact resistance: IK06. Pure polyester powder coating in Standard NERI Grey Colour. IP Rating - IP 66. Height - 605mm, Length - 325mm, Width - 325mm, Weight - 6Kg. Area Exposed to Wind(S) - 0.15 m2. Power LED Module with Company /brand name printed on PCB with the metal core plate. LED chips of CREE/NICHIA/OSRAM/LUMILED make shall be used. Colour Rendering Index: Ra > 70. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Optics with refractive lens in PMMA/PC. LED Lifetime >1,00,000hours. LM80 report from LED Manufacturer should be submitted. Safety test report as per IEC 60598/IS 10322 from UL/UL Authorised/3rd party NABL should be submitted. LM79 report also should be submitted from UL/UL Authorised/3rd party NABL Laboratory. BIS Certificate with manufacturer</p>		Each


	name same as brand proposed should be submitted. Sample should be submitted for approval from concerned engineer-in charge.		
14.	<p>ARCHITECTURAL TWIN ARM POLE Supply, Installation, testing & commissioning of 4M height Pole Made of Grooved steel pipe section of 76mm dia.. Decorative Bracket which is made in combination of mild steel pipe section 60mm dia.(horizontal) & MS rods coiled in shape as shown in sketch, to get 500 mm horizontal arm length & pleasing aesthetics as approved by concern engineer. Decorative Base in Steel - Its design starting with dia 260mm for 170mm height, then tapers to 180mm, followed by a cylindrical section of 165mm dia., 365mm Height. It ends with a Top section consist of a Ring of 205mm dia. and 40mm height followed by a tapering section with Bottom dia. 175mm, Top dia 105mm and Height of 90mm. Total Height of the Base is 700mm. A Steel base plate of 300mm x 300mm is welded at the bottom of the base. This base plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. Decorative cast iron flower starting with a dia 102 mm increasing gradually to 160mm and then tapering to a dia 99mm. Total height of cast iron flower is 304 mm & weight is 6.3kg.. Decorative cast iron pole top starts from bottom with a ring section of dia. 67mm followed by a ring of dia. 75mm, radially increases to 100mm dia. for a height 15mm, then radially reduces to 46mm for a height 20mm followed by a jack shaped section (45mm(W) & 20mm(H), followed by a ring of dia. 60mm which is followed by a Conical section (bottom dia. 40mm & top dia. 10mm, 140mm(H) with sphere shape (30mm dia.) on top - total height of the pole top is 260mm & weight is 2.5 Kgs.. All cast iron parts weight mentioned are with +/- 5% tolerance. Entire pole including the decorative elements shall be made to provide pleasing aesthetics as approved by Architect/ Engineer in-charge. After Fabrication, Entire Pole should be shot blasted for the effective adhesion of 3 layer coating so as to avoid the corrosion. The pole should be provided with an inbuilt junction box with 1 No. 32A Heavy Duty Stud type connector and 1 No. 6A SP MCB, at the bottom - the inbuilt box should have a flush door of suitable size. Wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole strength. Pole & Cast iron parts are painted in 3 layer coating (coating thickness - 100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint. Sample should be submitted for approval from Architect/ engineer-in-charge. (light Fixture with comprehensive maintenance with 3 year defect liability)</p>	Each	
15.	<p>Supply, Installation, testing & commissioning of LIGHT 851-35-45W Power Module LED, 3000K, Upright It's upper square frame made in die cast aluminum, auxiliary and optical compartment can be accessed by tilting the top frame, Bottom frame made in die cast aluminum with four-armed bracket with flange and a hole (Ø 28 mm) for attachment to the support. Screen made in polymethylmethacrylate (PMMA) molded in a single piece. Impact resistance: IK06. Pure polyester powder coating in Standard NERI Grey Colour. IP Rating - IP 66. Height - 605mm, Length - 325mm, Width - 325mm, Weight - 6Kg. Area Exposed to Wind (S) - 0.15 m² Power LED Module with Company /brand name printed on PCB with the metal core plate. LED chips of CREE/NICHIA/OSRAM/LUMILED make shall be used. Colour Rendering Index: Ra > 70. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Optics with refractive lens in PMMA/PC. LED Lifetime > 1,00,000 hours. LM80 report from LED Manufacturer should be submitted. Safety test report as per IEC 60598/IS 10322 from UL/UL Authorised/3rd party NABL should be submitted. LM79 report also should be submitted from UL/UL Authorised/3rd party NABL Laboratory. BIS Certificate with manufacturer name same as brand proposed should be submitted. Sample should be submitted for approval from concerned engineer-in charge. (light Fixture with comprehensive maintenance with 3 year defect liability)</p>	Each	
16.	<p>ARCHITECTURAL GATE BRACKET Supply, Installation, testing & commissioning of Gate Bracket Made of steel pipe section of 76mm dia. Entire</p>	Each	

	Bracket shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. After Fabrication, Entire Bracket should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. The bracket to be provided with suitable size base plate. This base plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. Bracket & it's parts are painted in 3 layer coatinge (coating thickness-100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint - customised colour Metallaic Grey.		
17.	BOLLARD DHALIA, LED, 10W-15W, 3000k, IP65, 1M Height Supply.Installation,testing & commissioning of The Bollard suitable for on ground installation,is made of extruded aluminium pipe. Top cover with company name/logo engraved is made of die cast aluminium in single piece. It's screen made of acrylic in single piece. Pure polyester powder coating in customised colour Metallaic Grey. Silicon gasket ensures ingress protection- IP 65. Height -1000mm, Dia - 127mm. LED Module on Printed Circuit Board with metal core plate. Colour Rendering Index: Ra > 80. Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over-Voltage & Over- Current. Estimated LED Lifetime L70 @50,000 hours minimum.Supporting LM80 report should be submitted. Sample should be submitted for approval from concerned engineer-in charge. (light Fixture with comprehensive maintenance with 3 year defect liability) Approved Makes-		Each
18.	NCL-90-Ceiling Light, 10-15W, LED, IP 65 Supply,Installation,testing & commissioning of Body in cylindrical shape made of aluminium & Protection screen in tempered glass with high impact resistance (IK 08). Body is finished with powder coating in Black. Precise structure and multi-protection silicon gasket ensures ingress protection- IP 65 Dimension-90mm (Dia.) x 120mm(H), Weight-0.75kgs. LED source is of high efficacy COB. Colour Rendering Index: Ra > 80. Electronic Driver which offers Protection against Short Circuit, Over-Voltage & Over- Current. Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. Sample should be submitted for approval from concerned engineer-in charge. (light Fixture with comprehensive maintenance with 3 year defect liability)		Each
19.	NLS-N-10, Top bending, LED, 9-10W/M, 3000k CCT, IP 67, DC24V ,External common power supply Supply,Installation,testing & commissioning of Neon Flex - Silicon material-Much more flexible,Efficient heat dissipation,Smooth plane lighting surface,Perfect resealing with silicone glue. Resistant UV, Flame, Salt, Chlorine. with suitable aluminium fixing clips(3nos./M) for mounting. DC 24V, Efficacy>50lm/W. SMD LED. It also includes DC 24V Electronic Power Supply-metal body(Inventronics/Meanwell) ,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Sample Should be submitted for concerned engineer incharge for approval of light fixture.(light Fixture with comprehensive maintenance with 3 year defect liability)		Mtr
20.	Surface/Spike Mounted Spot Light, 5-8W, LED, 3000k, IP 65, Supply.Installation,testing & commissioning of Body in circular shaped made of Die-cast aluminium. Clear screen in tempered glass. Pure Polyester powder coating in RAL 9005 Matt. Dimension-100mm (Dia.) ,Weight-0.5kg. LED source is of high efficacy COB. Colour Rendering Index: Ra > 80. Electronic Driver which offers Protection against Short Circuit, Over- Voltage & Over-Current. Estimated Lifetime-L70 @ 50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. Sample should be submitted for approval from from Architect/ engineer-in-charge. (light Fixture with comprehensive maintenance with 3 year defect liability)		Each
21.	Supply.Installation,testing & commissioning of Underwater Recessed Light, NHL-6-3, 2-4W, LED ,3000k, IP 68 with External Common Power Supply Body in circular shape - completely made of stainless steel. Burrying housing in Engineering plastic(ABS). Protection screen in tempered glass with high impact resistance (IK08 minimum). SS finish. Precise structure and multi-protection silicon gasket ensures the ingress protection-IP 68. Height - 108m, Dia.-		Each

	100mm, Weight - 0.45Kgs. Power LED Module with high efficacy LED's, on Printed Circuit Board with metal core plate.Colour Rendering Index: Ra > 80. External Common Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Estimated LED Lifetime is L70-50,000 hours minimum. LM80 report from LED Manufacturer should be submitted. BIS Certificate with manufacturer name same as brand proposed should be submitted. Sample Should be submitted for concerned engineer incharge for approval of light fixture.(light Fixture with comprehensive maintenance with 3 year defect liability)		
22.	Supply,Installation,testing & commissioning of Recessed Light, NSL-5-7, 4-6W, LED, 3000k, IP 65 Body in Rectangular shape made of Die-cast aluminium using pressure die casting process. Recessing box made of high grade engineering plastic. Frosted/Diffused Screen in Tempered Glass. Body finished with Pure Polyester powder coating in Grey Colour. Precise structure and multi-protection silicon gasket ensures the ingress protection-IP 65. Dimension-105mm(L)x85mm(D)x52mm(H).Weight- 0.5kg. Power LED Module with high efficacy LED's, on Printed Circuit Board with metal core plate.Colour Rendering Index: Ra > 80. Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Estimated LED Lifetime is > L70 @50,000 hours-Ts=85°C-Supporting LM80 report from LED Manufacturer should be submitted. BIS Certificate with manufacturer name same as brand proposed should be submitted. Sample Should be submitted for concerned engineer incharge for approval of light fixture. (light Fixture with comprehensive maintenance with 3 year defect liability)		Each
23.	Flood Light, NFL-6-150, 145-155W, LED, 3000K, IP 66 - The housing in light weight, made of high strength die cast aluminium using pressure die casting process .Protection screen in tempered glass with high impact resistance.Premium thermal management by high heat conductivity aluminum alloy and thermal fins. Pure Polyester powder coating in Black Colour. Precise structure and multi-protection silicon gasket ensures the ingress protection-IP 66. Height -370mm, Width-330mm & Depth-61,Weight -3Kg. Power LED Module with high efficacy LED's on Printed Circuit Board with metal core plate. CRI > 80, beam angle-120deg. Electronic Power Supply for LED Module,which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection. Estimated LED Lifetime is 50,000 hours minimum. BIS Certificate with manufacturer name same as brand proposed should be submitted.. Sample should be submitted for approval from concerned engineer-in charge.		Each
24.	ARCHITECTURAL 6M HEIGHT POLE - 6M height Pole Made of steel pipe section of 89mm dia. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. After Fabrication, Entire Pole should be shot blasted for the effective adhesion of 3layer coating so as to avoid the corrosion. The pole should be provided with an inbuilt junction box with 1No. 32A Heavy Duty Stud type connector and 1No. 6A SP MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The pole to be provided with suitable size base plate. This base plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole design. Pole & Cast iron parts are painted in 3 layer coating(coating thickness-100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint - customised colour Metallaic Grey.		Each
25.	S&E Polycarbonate Junction Box, IP66, IP67, 93 x 93 x 62mm,including terminal,Glands- KF0200H HENSEL OR EQUIVALENT as directed by Engineer incharge		Each
26.	Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features :		Each

	<p>Image Sensor : minimum 1/2.8" Progressive Scan CMOS. Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream. Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB. Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>		
27.	<p>Supplying, installing, testing & commissioning of 8/10 Ch. Network Video Recorder (NVR), suitable for 2 MP cameras only with HDMI/VGA outputs provided HDMI output of 4K resolution or VGA output with output up to 1920x1080. Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 80Mbps with minimum 2 SATA Hard Disks, ANR Technology, 2 SATA interfaces for 2 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port. Alarm I/O 4/1, RJ-45 10 /100/1000 Mbps self-adaptive Ethernet interface, support multi brand network Cameras, ONVIF conformance, Multiple network monitoring: Web viewer. support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, RoHS, UL, CE, FCC certified, duly erected in provided U Rack with wiring connections, tagging and programming etc complete as per specifications no. CCTV-NVR</p>		Each
28.	<p>Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64. Cache (MB) 256, Load/Unload Cycle -3000000, Work Load Rating per Year 180TB. MTBF 1000000 Hrs. HTTPS, RoHS, UL, CE certified, duly erected in position in provided NVR as per specification no. CCTV-HDD</p>		Nos.
29.	<p>Supplying & erecting 43" professional LED display with 1920*1080 (Full HD) Display, suitable for 16/32 channel NVR and following features Brightness: minimum 500 Cd/m2 Contrast Ratio: minimum 1000:1 Viewing angle: 178/178 deg. Response time: maximum 8 ms Inputs: HDMI, VGA, BNC, USB, Audio In, Built-in speakers maximum 10 W, Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MON</p>		Each

वर नमूद सुचित दर्शविलेल्या बाबीचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबीकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com यावर दिनांक २५/०६/२०२५ पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.


कार्यकारी अभियंता
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/२३२५ /प्र.क्र. ११ /२०६० /२०२५, दि. १६ / ६ /२०२५

प्रत माहितीस्तव — १. माहिती फलक करीता