

**Minimum specifications recommended for the PTZ camera**

<b>S. No</b>	<b>Features</b>	<b>Description</b>
1	Camera Type	Full HD IP PTZ Camera with IR (Night Vision)
2	Standard	ONVIF Profile S Compliant
3	Integration with existing online system	Industry has to ensure integration with existing online monitoring system of the State Board/ State Data Centre
4	Certification	UL, CE/BIs, FCC and RoHS
5	FDGE Store	micro SD/ micro SDHC/ micro SDXC slot supporting memory card for min. 128 GB (min. class 10 or higher Card to be included). In the event of failure of connectivity to the network storage the camera shall record video locally on the SD card automatically. After the connectivity is restored these recordings shall be automatically merged with the network storage recording such that no manual intervention is required to transfer the SD card based recordings to network storage. The industry shall have feed storage capacity of at least 3 month
6	Data Connectivity	Wire and Wireless Both
7	Image Sensor	1/2.8" CMOS or better
8	Resolution	2 MP (Min.1920X1080) at 25 FPS or better
9	Compression	H.264, H.265, MJPEG, MPEG4
10	Protocol	IPV4/V6, TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, ICMP, FTP, SMTP, DHCP, PPPOE, UPNP, IGMP, SNMP V2CC/V3 CONJOUR, DNS, DDNS, QOS, NTP, NFS
11	Auto Exposure	Automatic Level Control/Electronic Level Control
12	Operating Condition	It shall be operable over the all ambient conditions of temp., wind speed, humidity, pressure etc.
13	Panning Range and Speed	0 deg to 360 deg. , 0.2 <sup>0</sup> /s-160 <sup>0</sup> /s
14	Tilting Range and Speed	180 <sup>0</sup> , 0.2 <sup>0</sup> /s-120 <sup>0</sup> /s
15	Presets	100 presets or higher
16	APD Support For Recording Play Back	Yes

These are the suggested minimum appropriate specification; camera shall be installed looking to the site condition and the picture quality required for monitoring quality. All the emission and effluent discharge points must be visible through the camera being installed without the use of PTZ function.