

SITC of Project monitoring CCTV System for Nabinagar Super Thermal Power Project, NSTPP Stage-II (3x800 MW)

Tender ID - 2026_NTPC_108652_1 ; Tender ref. NTPC/SSC -/9900325917

Clarifications-02

Sr. No.	Reference/Document	Clause/Point	Existing Technical Description	Query/Suggestion	NTPC Reply/Remark
1		Payment Terms.		As per the tender payment terms, 80% of the supply portion is payable upon receipt, inspection, and acceptance of materials at site against submission of CPG, whereas the balance 20% of the supply portion along with 100% installation and commissioning charges is payable only after successful installation, testing, commissioning, and final handover. Since the project site is currently under construction and installation activities are dependent on completion of civil works, the balance payment is likely to be delayed for a considerable period, resulting in blockage of the bidder's funds. Therefore, we request NTPC to kindly consider revising the payment terms such that the balance 20% of the supply portion is released within one month from the date of material delivery, in case the site is not ready for installation and commissioning and the delay is attributable to non-availability of site readiness.	It is clarified that the CCTV system is intended primarily for project monitoring purposes. site work is already in progress is not relevant to the scope of CCTV deployment, as a substantial number of towers and existing infrastructure are available for installation of CCTV equipment. Therefore, the implementation of the CCTV system is not dependent on the completion of civil works. Accordingly, no change is envisaged in the tender provisions. Payment shall be governed as per Clause 13 of the Scope of Work & Technical Specification document. Bidders are advised to quote accordingly.
2		Building where CCTV is installed.		As per the conducted site survey, we observed that the building where the CCTV Surveillance System is proposed to be installed is currently under construction. Since the completion of installation and commissioning activities is dependent on site readiness, we request you to kindly share the tentative timeline for completion of the civil works and availability of the site.	The control room for the Project Monitoring CCTV System is already available at the H-Type building. Installation of the remaining CCTV equipment shall be carried out based on site conditions, utilizing available poles and existing infrastructure to the extent feasible. The bidder shall execute the work in coordination with site requirements and prevailing site conditions. Accordingly, no deviation to the tender provisions is envisaged. The scope shall remain unchanged as specified under Clause 3.9 of the Scope of Work, and bidders are advised to quote accordingly.
3		Poles.		Kindly clarify whether the poles specified in the BOQ are meant for mounting Wireless devices or CCTV cameras. In case of camera mounting, bidder needs to consider arm/brackets.	The requirement shall remain unchanged as per BOQ and Scope of Work. As specified under Clause 3.13 and Item No. 10.130 of Annexure-II, supply, erection and commissioning of dedicated poles, wherever required, are under the bidder's scope. Bidder shall consider all accessories, mounting arrangements and civil works necessary for complete installation.

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4		OFC Requirement.		As per the BOQ, Optical Fiber Cable (OFC) has been considered; however, the associated OFC connectivity components such as LIU, Fiber Patch Cords, Pigtails, and other fiber accessories have not been considered in the BOQ. Kindly clarify whether these items are under NTPC's scope or the Bidder's scope. In case these items are under the Bidder's scope, we request NTPC to issue an additional PO for the required OFC connectivity components, as successful OFC laying and commissioning cannot be achieved without these devices.	As per Clause 3.3, 3.8 and 10(c) of the Scope of Work, all items required for successful installation, integration, testing and commissioning of the CCTV system, whether specifically mentioned in the BOQ or not, shall be deemed to be included in the bidder's scope and quoted cost. Requirement shall remain unchanged .
5	Tender_docs Page No.: 393	10.150 HDPE Protection Pipe (32mm/40mm) - Technical Specification & Compliance Sheet 2 - Diameter	32mm / 40mm inner diameter options	Kindly provide clarification where the given diameter of HDPE Pipe is 32mm or 40mm. Please mention the diameter 32mm or 40mm for HDPE Pipe.	HDPE Protection Pipe shall be supplied as per Item No. 10.150 of Annexure-II. Either 32 mm or 40 mm inner diameter may be used based on installation requirements, subject to ensuring adequate protection and routing of the cables. Requirement shall remain unchanged .
6	Tender_docs Page No.: 371	10.10 PTZ IP Camera- Technical Specification & Compliance Sheet: 29 - Other Features	Inbuilt heater and air circulation system to avoid icing, Electronic Image Stabilization, Defog	As per the PTZ IP Camera specifications, the requirement of an inbuilt heater appears to be OEM-specific. Not all STQC-compliant OEMs offer PTZ cameras with an inbuilt heater, and this requirement may unnecessarily increase the overall project cost and limit participation of compliant OEMs. Therefore, we request NTPC to consider removing the requirement of an inbuilt heater from the PTZ camera specifications. This will help reduce the overall system cost and enable wider participation from STQC-compliant OEMs, thereby ensuring healthy competition.	The PTZ camera shall comply with Clause 29 of Item No. 10.10 (PTZ IP Camera) of Annexure-II. The specified feature is required to ensure reliable operation, lens clarity and protection against adverse environmental conditions.Requirement shall remain unchanged .

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7	Tender_docs Page No.: 372	10.10 PTZ IP Camera- Technical Specification & Compliance Sheet: 33 - ONVIF compliant	The camera shall conform to ONVIF Profile S, G, T, M or latest (ONVIF approved certificate / ONVIF conformant devices listed on the ONVIF global website as on or before bid submission date). There should be no ONVIF membership restrictions on CCTV OEMs, this means that Camera OEMs can participate in ONVIF committees which include ONVIF new profile development and maintenance. Similarly, OEMs can use new ONVIF tools and software for camera testing. The bidder shall submit a declaration in this regard from the OEM.	ONVIF Profile M is specifically meant for metadata transmission, which requires edge-based analytics support. However, as per STQC certification norms, the products currently available in the market do not support edge-based analytics. So, we request you kindly accept our suggestion and Remove it.	The offered camera shall comply with Clause 33 of Item No. 10.10 (PTZ IP Camera) of Annexure-II and shall support ONVIF Profile S, G, T, M or latest. The requirement is intended to ensure interoperability, cybersecurity compliance and future scalability of the CCTV system. Requirement shall remain unchanged .

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Clause No:	Point No:	Description	Query	NTPC reply
10.10 Technical Specifications PTZ Camera	Point No: 08 Sub Point: 3	(3) Third Stream: HEVC H.265 or H.264@ 25/30 FPS	Please note the third stream should be VGA(640x480)@15fps and request to amend the same.	Third Stream specification of HEVC H.265/H.264 @ 25/30 FPS is a standard requirement and is complied with by multiple OEMs. Hence, the tender specification shall remain unchanged, and bidders are requested to comply.

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Clarifications-02

Sl. No.	Tender Clause Reference	Tender Requirement	Bidder Query / Clarification Requested	NTPC Reply
1	Clause 10.70, Sr. No. 5 – Transmission Power	(Pg-26) Max. 25 dBm (Adjustable power by 1 dBm)	Max. 25 dBm (Adjustable power by 1 dBm). Offered equipment supports a maximum transmit power of 24 dBm , which is only 1 dBm lower than the specified requirement. Kindly confirm whether this minor deviation is acceptable, considering that it does not materially affect the intended wireless link performance.	The specified transmit power of 25 dBm (adjustable in 1 dBm steps) is a minimum technical requirement. Bidder shall comply with the tender specification. No deviation is envisaged.
2	Clause 10.70, Sr. No. 8 – Network Configuration	(Pg-26) WAN: Static/Dynamic/PPPoE/L2TP/PPTP; LAN: Static/Dynamic/DHCP; Security: SPI Firewall, etc.	WAN/LAN Routing & Security Features. The offered device is designed as a high-performance transparent carrier bridge with advanced VLAN and wireless backhaul functionality. It does not include integrated routing features such as PPPoE, PPTP, or L2TP client support . Kindly confirm whether a Layer-2 bridge architecture meeting the application requirements shall be considered acceptable.	The specified WAN/LAN routing and security features are required to provide network management flexibility, security, interoperability, and future scalability of the CCTV communication network. Accordingly, No deviation is envisaged.
3	Clause 10.70, Sr. No. 9 – Wireless Configurations	(Pg-26) 5/10/20/40 MHz channels, WPA/WPA2/WEP, Multi-SSID, MAC Filter	– Channel Width & Security Protocols. The offered equipment supports 20/40 MHz channel widths and does not support legacy 5 MHz / 10 MHz channel operation. Additionally, it supports modern security mechanisms such as WPA2-AES, WPA-Enterprise (RADIUS) and does not support obsolete WEP encryption. Kindly confirm acceptance of these enhanced specifications.	The specified channel bandwidth options and security features are minimum requirements to ensure compatibility, operational flexibility, and reliable performance under varying site conditions. No deviation is envisaged.
4	Clause 10.70, Sr. No. 13 – Ir	(Pg-27) Two 10/100 Mbps Shielded Ethernet Ports (1 Power+Data, 1 Data)	. The offered equipment provides one Gigabit Ethernet (10/100/1000 Mbps) port , which offers higher throughput than the specified 10/100 Mbps interface. However, it does not include the additional secondary data passthrough Ethernet port. Kindly confirm whether a single Gigabit Ethernet interface shall be acceptable for this application.	The requirement of two Ethernet ports is specified to meet connectivity and maintenance requirements of the system. No deviation is envisaged.

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PTZ camera					
S/No	Parameter	Requirements	Compliance (Yes/No)	Request for change	NTPC Reply/ Remarks
24	Tilt	-10 to 90 deg	Tilt: -5° ~ 90° (auto-flip)	Tilt: -5° ~ 90° (auto-flip)	The specified tilt range of -10° to 90° is required to ensure the prescribed surveillance coverage and minimize blind spots in the vicinity of the camera installation. specification shall remain unchanged.
NVR Point deviation					
24	Alarm Inputs	16 Potential Free I/P	8-ch input	8-ch input.	The requirement of 16 potential-free alarm inputs has been specified considering integration of external field devices, alarm contacts, and future system expandability requirements. specification shall remain unchanged.
10.70 P2P/P2MP-Technical Specification & Compliance Sheet					
8	Network Configuration	WAN: Static/Dynamic/PPPoE/L2TP/PPTP LAN: Static/Dynamic/DHCP Forwarding: ALG/ UPnP/Virtual Server/Port Trigger Security: SPI Firewall/ Ping Forbidden/ DoS Protection Access Control Static Routing Bandwidth Control IP & MAC Binding	Kindly remove Forwarding: ALG/ UPnP/Virtual Server/Port Trigger Security: SPI Firewall/ Ping Forbidden/ DoS Protection Access	As firewall is separate item under this project.	The specification has been framed considering deployment flexibility, interoperability, and future network integration requirements. Features such as ALG, UPnP, Virtual Server/Port Triggering, SPI Firewall, Ping Control, DoS Protection, and Access Control are standard networking functionalities available in industrial-grade wireless networking equipment and do not constitute a dedicated firewall solution. specification shall remain unchanged.

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9	Wireless Configuration s	Selectable Channel Width: 5/10/20/40MHz Auto Channel Selection Transmit Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption SSID Broadcast Enable/Disable Multi- SSID with VLAN Tagging Distance/ACK Timeout Setting Wireless MAC Address Filter Wireless Advanced: Beacon Interval/RTS Threshold/Fragmentation Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia	Kindly remove Advanced: Beacon Interval/RTS Threshold/Fragmentation Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia	these are the additional and proprietary feature of a particular OEM.	The requested parameters, namely Beacon Interval, RTS Threshold, Fragmentation Threshold, DTIM Interval, AP Isolation, Short GI, and Wi-Fi Multimedia (WMM), are standard IEEE 802.11 wireless configuration settings widely supported by enterprise/industrial wireless devices from multiple OEMs. These parameters are essential for optimization of wireless network performance, latency, throughput, and Quality of Service (QoS) under varying site conditions. specification shall remain unchanged.
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