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**ODISHA POWER TRANSMISSION CORPORATION LIMITED**

(A Government of Odisha Undertaking)

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CIN: U4102OR2004SGC007553

## **CORRIGENDUM-III**

**TENDER NOTICE NO. TW-IT/OT/01/526/2019-20 DATE: 12-06-2019**

for

***“Implementation of IP Based CCTV Surveillance System at 29 locations (26 Grid Sub-Stations and 03 Stores Sub-Divisions) of OPTCL – Phase 3”***

1. The revised timeline under the Clause-3 of SECTION-1 for the above mentioned e-Tender is as follows:

#	Important Dates	Current Date	Revised Date
10	Last date of sale of bidding document	22/07/2019 (16:00 Hrs)	27/07/2019 (14:30 Hrs)
11	Last date and time for Receipt of bids	22/07/2019 (17:00 Hrs)	27/07/2019 (15:30 Hrs)
13	Time and date of opening of Techno-commercial bids	23/07/2019 (11:00 Hrs)	27/07/2019 (16:30 Hrs)

2. Section IV.2.I Detailed Technical Specifications for H:16 port managed network switch is revised as follows:

#	Minimum Technical Requirements
1	The port densities of switch shall be as follows: 16 x 10/100/1000BaseT with 2 x 1000BaseX SFP uplink port
2	All the switches shall be 1U Rack mountable. Rack mounting kits, Indian style power cables should be supplied with the switches.
3	The switches shall support virtual stacking and manageable using a single IP address.
4	The switching performance of the switches shall be as follows: Switch: 36 Gbps switching capacity and 26.7 Mbps forwarding rate. All switches shall have wire-speed performance.
5	The switches shall have 1 x RJ45 or USB port for console based management.
6	Shall have minimum 512 MB DRAM and 256 MB Flash
7	Shall support 16,000 MAC addresses and 256 active VLANs
8	The switches shall support IPv4 & IPv6 static routing and RIP from day one.
9	Shall support at least 400 IPv4 & IPv6 unicast and multicast routes.
10	Shall support SDN/Open flow or equivalent.
11	Shall support UDLD or equivalent to detect and disable links due to fibre cuts or port faults.
12	Shall support STP/RSTP/MSTP and LACP.

#	Minimum Technical Requirements
13	Shall support port security, DHCP snooping, Dynamic ARP inspection, Per port Storm control for unicast, broadcast and multicast.
14	Shall support STP root guard or equivalent; shall support BPDU guard and IP source guard.
15	Shall support MAC based security, RADIUS, 802.1x based authentication, SSHv3, SNMPv3
16	Shall support IPv6 Router Advertisement guard to allow administrator to filter unwanted or rogue advertisements.
17	Shall support eight queues per port; shall have 802.1p CoS, DSCP
18	Switch shall be manageable via Web based GUI, SSH/Telnet, Console Access. The switch shall support port mirroring, NTP, SNMPv1,v2,v3 and RMON.
19	The switch shall be IPv6 ready logo certified.
20	The switches shall be covered under 8x5xNBD warranty for the duration as mentioned in the RFP.

**1. Section V.VIII SCHEDULE-H (APPROVED MAKE, QUOTED MAKE & MODEL)is revised as follows:**

#	Item	Make	Country of Origin	Quoted Make	Quoted Model
1.	Outdoor PTZ Camera(with PTZ camera housing, gooseneck stand-wall mount bracket, power supply/ adaptor, camera holder and other accessories) [Range: 200 mtrs.]	Sony/Pelco/Bosch/ Axis/ Infinova/ Honeywell			
2.	Outdoor PTZ Camera(with PTZ camera housing, gooseneck stand-wall mount bracket, power supply/ adaptor, camera holder and other accessories) [Range: 100 mtrs.]	Sony/Pelco/Bosch/ Axis/ Infinova/ Honeywell			
3.	Outdoor Fixed Camera (with fixed camera housing, power injector, camera holder and other accessories) [Range: 50 mtrs.]	Sony/Pelco/Bosch/ Axis/ Infinova/ Honeywell			
4.	Indoor Dome Camera (with power injector for dome camera) [Range: 30 mtrs.]	Sony/Pelco/Bosch/ Axis/ Infinova/ Honeywell			
5.	16 Channel NVR with 2 SATA for 2nos. of HDD (with additional mouse and keyboard)	Sony/Pelco/Bosch/ Axis/ Infinova/ Honeywell			
6.	4 TB Surveillance HDD	Seagate/WD			
7.	16 Port Managed Network Switch	Cisco/ HP/ Allied Telesis/ Juniper /Brocade/ SAN-Telequip			
8.	32" LED Display	Samsung/ Sony/ LG			

#	Item	Make	Country of Origin	Quoted Make	Quoted Model
9.	Media Convertor (Box Type)	Phoenix/ Moxa /Allied Telesis/ Perle/ SAN-Telequip			
10.	600 VA Interactive UPS	APC/ Emerson-Liebert; Battery-Exide/ Amron			
11.	Surge Protector for Outdoor Cameras	Emerson/ CITELE/ SAN-Telequip			
12.	Fiber Patch Cords	Molex/TE/ Systimax / Krone/ Commscope			
13.	6 Core Armoured Fiber Optic Cable	Molex/TE/ Systimax/ Krone/ Commscope			
14.	CAT6 STP Cable (Outdoor)	Molex/TE/ Systimax/ Krone/ Commscope			
15.	CAT6 STP Cable (Indoor)	Molex/TE/ Systimax/ Krone/ Commscope			
16.	1.1 KV Armoured Cu-Power Cable	Polycab/Havells/ V-Guard			
17.	HDPE Conduit Pipe for FO with necessary accessories	Open			
18.	PVC Conduit Pipe for CAT6 with necessary accessories	Open			
19.	Outdoor Junction Box	Open			
20.	Pole with pole mount brackets and other accessories	Open			
21.	LIU-Box with Accessories(adaptor plate, pigtail, etc)	Molex/TE/ Systimax/ Krone/ Commscope			
22.	6U Network Rack	Valrack/ Netrack/ APW President / Rittal			
23.	Computer Desk	Open			

Signature with Date

Name in Block Letters

Seal of the Company

***N.B: The above Schedule-H is to be signed and the scanned copy to be uploaded.***

***Note: The revised Techno-Commercial Bid Sheet has been uploaded. Bidders are requested to download the revised bid sheet.***

**Sr. General Manager (IT)  
OPTCL**