

**KOLKATA PORT TRUST  
P & R DIVISION / FINANCE DEPARTMENT  
KDS. I. T. CENTRE**

Plg/165/CCTV

Dated : 5.8.16

**Minutes of the pre-bid meeting held at 1100 Hrs. on 02.08.16 at KoPT Head Office Conference Room in connection with the tender for supply, installation, integration, testing, customizing, configuring, commissioning & maintaining IP based closed video transmission and monitoring system, viz. CCTV surveillance system at KDS, KoPT**

(Ref: NIT No. Plg/165/CCTV/2016/11204 dated 22/07/2016)

The list of participants in the meeting is attached as Annexure –I.

The points discussed and decisions taken in the pre-bid meeting are furnished below. All the tenderers are requested to submit their offer considering the decisions taken/changes made in the pre-bid meeting and as enumerated below :-

- (i) Clause 9 A Item 11 sensitively – PTZ Camera: The clause should be read as – “Day & Night operation with 0 Lux at 50 IRE or better”.
- (ii) Power Redundancy for camera -- Clause 9A(21), 9B(21) & 9C(21) - The clause should be read as - “In case the camera is connected to both 240 AC power & POE input, it should be possible to switch the camera to high POE or POE+ power supply, in case the AC power supply fails”.
- (iii) Clause 9A (3) - Multi streaming - No change.

**NAS Storage**

- (i) SL.no.4 -- Usable storage: 22 TB with RAID 5 data redundancy and 200 mbps bandwidth for video application or higher. The RAID implementation on the storage will be such that it is able to protect against two drives failing in the same RAID group simultaneously or at an overlapping time without affecting the performance of the system.
- (ii) SL. no.11 -- Memory protection ECC or better front side bus minimum 1333 MHZ.
- (iii) SL.no.3 -- Storage capacity – The tenderer has to supply minimum 4x8 TB capacities. However, if the quoted solution requires more space for 30 days video storage, the tenderer should supply the required additional storage.

- (iv) SL.no.1 --- The proposed storage system should be among the top 5/6 high end modular storage i.e should exist in the Leaders of the latest Gartner Magic quadrant. The system should be 4U Rack Mountable chassis.
- (v) SL.no.13 --- SAS / SATA RAID card with required ports / PCL-E
- (vi) SL.no.14 -- Memory installed 16 GB DDR3 ECC upgradable to 64 GB
- (vii) SL.no.17 -- Dual Gigabit LAN

**Server Specification :**

HDD --- 2 TB X 4 – E-IDE, PATA, SATA, SCSI, SAS or latest.

**BoQ item – B (2) –To be read as “5-50 mm Manual Varifocal SR Iris”**

**BoQ item – I – 50” LED full HD Commercial Monitors with proper console – consoles are to be supplied as per the specification of the Workstation given under server specification item no. 2 (page 51 of tender document)**

**BoQ item – R – Video Management Software with Analytics –no. of licenses - 50.**

3. Payment terms and project completion period – No change.
4. Specification of online 6 KVA UPS as below (Annexure – II).
5. The tenderer has to supply 32” LED monitor only, no PCs are required with these monitor as the existing PCs will be used.
6. KoPT will not provide Waybill / Road Permit / C or D Form.
7. Viewing web-client licenses for 40 users– should be quoted along with item R of BoQ.

(Rebecca Das)  
Joint Director (P&R)

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**List of officials present in the Pre-bid Meeting for CCTV surveillance system  
held in the Conference Room of KoPT Head Office on 2.8.2016 at 1100 hrs**

	<b>Representatives of KoPT</b>		<b>Representatives of Bidders</b>
1	Smt. Rebecca Das, Jt. Director(P&R)	1	Shri Chandan Das, G.S. Computel
2	Shri P. Lala, Addl. CAO	2	Shri S. Maity, CGC Converse Technologies
3	Shri A. Chowdhury, Sr. Dy. TM	3.	Shri P. Manna, CMS
4	Shri T.K. Hazra Chowdhury, Sr. DS-II	4.	Shri S. Basak & Shri P. Saha, Sterling & Wilson
5	Shri S. D. Arya, Dy.Comdt., CISF	5.	Shri S. Chakraborty, Techniche Consulting Services
6	Shri N. Dey Roy, Sr. Dy. Director (EDP)	6.	Shri Rahul Gomes, NIS, FMS
7.	Shri S. Chakraborty, Dy. Director (EDP)	7.	Shri B. Bhattacharjee, Infinova,

**TECHNICAL SPECIFICATIONS FOR 6 KVA ON-LINE UPS SYSTEM**

<b>Sl</b>	<b>Parameter</b>	<b>Required Specification</b>	<b>Compliance (Yes/ No)</b>
1	Manufacturers Credentials	Manufacturer must be ISO 9001:2008 certified. Please enclose Certificate	
		Manufacturer must be ISO 14001 certified. Please enclose certificate	
		Bidder if not the manufacturer, must provide <b>Manufacturer's Tender Specific Authorization</b> that the bidder is authorized sales & service provider.	
2	UPS Ratings	6 KVA / 4.8KW	
3	UPS Type	UPS should be True Online Double Conversion with DSP Control Technology for High Performance and reliability.	
		Rectifier must be IGBT based	
4	Mandatory System Features	UPS system must have inbuilt Isolation Transformer at the output side and Input to the UPS system should be through a 25kA UL Certified TVSS with response time of < 0.5 nano seconds. Please enclose brochure of the offered UPS system.	
		UPS system must have fully functional LCD display for <ol style="list-style-type: none"> <li>1. Fault Annunciations</li> <li>2. System Parameters Display like Input / Output Voltages, Frequency etc</li> <li>3. System must have logging facility for easy diagnosis of system problems</li> </ol>	
5	Input Parameters	Nominal Input Voltage : 110VAC to 300VAC at load depend.	
		Permissible Input voltage range : +/- 3%	
		Nominal Input frequency : 46Hz~ 54Hz @ 50Hz	
		Input power factor : 0.99 p.f. at 100% load	

6	Bypass Parameters	220/230/240 VAC selectable	
7	Output Parameters	<b><i>Output power rating at 1.0 pf: 6 KVA / 4.8KW</i></b>	
		Output power factor : 0.8 p.f.	
		Nominal Output voltage : 208/220 / 230 / 240V AC 1 Phase	
		Output voltage regulation: +/-1%	
		Output voltage distortion for 100% Load < 3% Linear	
		Nominal Output frequency : 50Hz	
		Power Rating at 0.8 pf : 6 KVA	
		Output frequency tolerance : +/-0.1%	
		Output frequency synchronization : +/-1Hz, ± 2 Hz, ± 3Hz Settable	
		Output Crest factor capacity : 3:1	
		Transient response for 100% load change : + / - 10 % recovery within 10 msec	
		Transfer time to bypass Synchronized: 0 milliseconds Unsynchronized : 20 millisecond	
		SMF Battery: 16 - 20 Blocks of 12V	
Battery VAH should not less than 5616 AH. For 30mins backup			
8	Environmental Parameters	<i>Operating temperature range : 0 degree C to 45 degree C</i>	
		Storage temperature: 0 degree C to 70 degree C	
		Relative humidity : 0-95% RH Non-Condensing	
		Maximum attitude with full rating: 1000 Meters	
9	Agency Approval	Product should be CE & ROHS Compliance	