

परियोजना इंजीनियरिंग
प्रबंधन
Project Engineering
Management

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)



CORRIGENDUM

REF. NO: PE-LPE/132
DATE : 24-10-2013

M/s

Attention:

SUBJECT: Procurement & Installation of CCTV camera.

Dear Sir,

This is in reference to our Tender Enquiry of even reference dated 08-10-2013 for the subject items.

In this connection, please note that the **BOQ CUM PRICE SCHEDULE and STORAGE CALCULATION SHEET** for submission of offer against this Enquiry has been revised and attached with this sheet. Please submit all the relevant data in the revised BOQ CUM PRICE SCHEDULE and STORAGE CALCULATION SHEET.

Cameras for Planned Location (col.2) mentioned against Sl. No. 10 to 15 of annexure 1 of system layout shall be optional. BHEL reserves the right to may or may not order the same. Evaluation shall be done as per enclosed BOQ cum price schedule.

Offer(s) can, therefore, be submitted in this office (Tender Box) by 2.00 p.m. of 29-10-2013 and the same will be opened at 3.00 p.m. on the same day in the presence of bidder(s) who may like to be present.

All other instructions, technical specifications and Terms and Conditions remain unaltered.

Thanking you.

Yours faithfully,

For and on behalf of BHEL


(Vivek Singh Kuntia)
Engineer/MM



कृपया प्रेषित करे :	Please reply to :	फ़ोन Phone No:
बीएचईएल, पीएस-पीइएम	BHEL, PS-PEM,	91-120 - 436 8891
पीपीइआई भवन	PPEI Building,	
प्लॉट नं २५, सेक्टर १६ ए	Plot No.25, Sector 16A,	
नोएडा - २०१ ३०१ उ प्र	Noida-201301 (U.P.)	
भारत	INDIA	

पंजीकृत कार्यालय	Registered Office :
बीएचईएल हाउस	BHEL House,
सीरी फोर्ट	Siri Fort,
नयी दिल्ली - ११० ०४९	New Delhi-110049
भारत	INDIA

BOQ CUM PRICE SCHEDULE						
S. No	Item Description	Required Make	Quantity	Unit	Unit Price (Ex Works in INR)	Total Price (Ex Works in INR)
IP CCTV COMPONENTS						
1	Minimum 2 Megapixel High Resolution IR Bullet Camera with HD Video output with low illumination, & as per technical specs.	Bosch, Pelco, Axis, Panasonic, Samsung, Honeywell, DVTel, Hikvision, Sony.	3	Nos.		
2	Minimum 2 Megapixel Network Mini Dome Camera as per technical specs.	Bosch, Pelco, Axis, Panasonic, Samsung, Honeywell, DVTel, Hikvision, Sony.	10	Nos.		
NETWORK RECORDING & MONITORING UNIT WITH NVR						
3	NVR as per technical specification & storage calculation sheet.	SAME AS CAMERA	1	Nos.		
4	3 Sata HDD as per technical specification	SEAGATE/ WD	As per storage calculation sheet	Nos.		
ACTIVE & PASSIVE NETWORK ACCESSORIES						
5	24 Port PoE 10/100/1000 Gigabit Switch with 2 SFP slot populated	CISCO	2	Nos.		
6	8 Port Switch with 4 Port PoE	CISCO/ TP LINK	1	Nos.		
7	Single Mode 10/100 Base Media Converter	D LINK/ TP LINK	4	Nos.		
8	Fiber Patch Cord	AMP/ AVAYA	4	Nos.		
9	Rack Mounted 6 Port LIU Fully loaded with pigtails, adaptor plate, splice etc	REPUTED	2	Nos.		
10	Rack Mounted 12 Port LIU Fully Loaded with Pigtails	REPUTED	1	Nos.		
CABLE & CONDUITS						
11	CAT-6 UTP Cable	AMP/ AVAYA	1190*	RM		
12	6 Core Single Mode Optical Fiber Cable	AMP/ AVAYA	170*	RM		
13	2 Core X 1.5 Sqmm Power Cable	BIS MARKED	370*	RM		
14	30 mm HDPE Conduit	BIS MARKED	130*	RM		
15	22 MM PVC Conduit	BIS MARKED	1050*	RM		
16	Installation, testing and commissioning charges of the system	NA	1**	Lot		
17	Grand Total (INR)					
NOTES:-						
1. Price evaluation shall be done on overall L1 basis (Grand Total inclusive of all taxes & duties). Item wise splitting shall not be done.						
2. BHEL reserves the right to add 5 nos. of cameras, 2 nos. of hard disks along with associated cables, conduits, hardware and network accessories.						
3. Quantity for items marked ** is indicative. Payment shall be made on actual measurement basis at site after completion of work as per unit rates quoted above.						
4. For items marked *** quoted price shall remain firm even if BHEL exercises Note 2 mentioned above.						
5. Any other item required for system completeness other than quantity of items listed in this BOM shall be in Bidder's scope without any extra cost.						
6. RM - Running Meter						

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STORAGE CALCULATION SHEET, R01

VENDOR: M/s

1. Bidder to provide storage required for following activity factor against each camera.
2. NVR/Camera shall record based on motion detection.

NVR	Name of camera	Location	Activity factor (in percentage)	Number of days	Storage required in TB for recording @1080P @ 25fps @ 4096 Kbps
NVR	Camera 1	PEM Reception	80	90	
	Camera 2	PEM Reception	80	90	
	Camera 3	PEM Reception	80	90	
	Camera 4	PEM Porche	70	90	
	Camera 5	Tender Room	50	90	
	Camera 6	Exit gate	100	90	
	Camera 7	Entry gate	100	90	
	Camera 8	MPL reception	70	90	
	Camera 9	Electrical reception	70	90	
	Camera 10	Electrical reception	70	90	
	Camera 11	CIVIL reception	70	90	
	Camera 12	CIVIL reception	70	90	
	Camera 13	DG set	50	90	
Total storage required in TB for NVR					

Details of offered Hard disk				
S.No.	NVR name	Make of offered hard disk	Capacity of one offered hard disk	Total number of offered hard disk required for storage in RAID 5 configuration
1	NVR		3 TB	

Details of offered NVRs			
S.No	NVR name	Make & model	Maximum number of Hard Disk Supported
1	NVR		

Note 1: Offered solution should be able to store 90 days of backup at mentioned activity factor, resolution, fps and bit rate.

Note 2: Bidder to offer NVR to support above storage and with minimum two nos spare storage slot along with two nos additional hard disk.

Note 3: The offered NVR shall be configureable in RAID 5 and the total number of offered hard disk shall include provision for RAID 5.

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