



# Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Power Sector, Eastern Region

BHEL BHAWAN, PLOT NO. DJ-9/1 , SECOTR II , SALT LAKE CITY ,  
KOLKATA , WEST BENGAL, INDIA

Phone : 033-23216130-31,033-23216130 FAX : 033-23211960

<b>Sub</b>	<b>TENDER CHANGE NOTICE (TCN-01) DATED: 22/12/2012</b>
<b>Job</b>	<b>SUPPLY, INSTALLATION AND COMMISSIONING OF SURVEILLANCE CAMERA SYSTEM FOR BHEL PSER WBPDCCL-SAGARDIGHI, BSEB BARAUNI AND SINGARENI SITES INCLUDING ONE YEAR SERVICE WARRANTY AND OPTIONAL ANNUAL MAINTENANCE FOR SUBSEQUENT YEAR (2 ND + 3 RD) AFTER COMPLETION OF SERVICE WARRANTY</b>
<b>Ref</b>	<b>PSER:PUR:MSX: 223:127 Dtd.19/12/2012</b>

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

1. Revised BOM is attached at **Annexure – I**
2. Pre Bid Meeting shall be conducted on **27/12/12 at 11.00 hrs.**
3. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

**DY. MANAGER (PURCHASE)**

**BILL OF MATERIALS (BOM) FOR SUPPLY, INSTALLATION AND COMMISSIONING OF SURVEILLANCE CAMERA SYSTEM FOR BHEL PSEER SAGARDIGHI, BSEB BARAUNI AND SINGARENI SITES**

**Site Name: Sagardighi**

**A. Bill Of material for main Supply Items**

SL. No	Item Description	UoM	Qty
01	IP Outdoor PTZ Camera with power supply & mounting accessories	Nos	6
02	RF devices Unlicensed ISM band 5.725-5.875GHz. Or 2.4 GHz (License free)	Nos	6
03	Video recording and management software for 15 cameras expandable upto 50 cameras	lot	1
04	Server with 19" Monitor	Nos	1
05	Viewing Station as workstation with Monitor	Nos	1
06	32" LCD Monitor	Nos	1
07	UPS 2KVA with 30 mins back up @ CMS	Nos	1
08	UPS 0.6KVA with 30 mins back up @ Camera , RF Dev.	Nos	6

**B. Rate Contract - Supply**

09	Supply of Power cable 3C 1.5 sq mm armoured	Mtr	90
10	Supply of CAT 6 STP	Mtr	305
11	Supply of Casing or conduit	Mtr	100
12	Supply of 6 core armoured OFC saddling over the wall	Mtr	100
13	Networking components like LIU, pigtails, patch chords, media convertors, etc	Lumpsum Per Node	6

**C. Rate Contract - Service**

14	Installation Power cable 3C 1.5 sq mm armoured	Mtr	90
15	Laying of CAT 6 STP <b>(With casing or Conduit )</b>	Mtr	305
16	Laying of 6 core armoured OFC saddling over the wall]	Mtr	100
17	Trenching work like excavation	Mtr	100
18	Installation Commissioning and testing Charges complete system	Lump sum	1
19	Lump Sum charges for shifting of each camera with in site along with accessories ( if any ).	Lump sum	3
20	Lumpsum charge for shifting of surveillance camera system alongwith accessories excepting Pole, to other site / location as per clause No.37 of RFP [ pole , OFC, UTP & other accessories if required shall be supplied by vendor as per rates quoted in the BOQ ]	Unit Rate	1

**Optional Rates- PART <D>**

01	AMC Charged for 2 year - after 1 year warranty period	lumpsum	1
02	8 port L2 switch - commercial grade to be placed indoors for CMS	Nos	1
03	8 port L2 switch Industrial grade for outdoor Perimeter with encloser	Nos	1
04	9 Meter Pole / Tower for RF link	Nos	1
05	6 m Pole for mounting of PTZ camera	Nos	1

## Site Name: BSEB Barauni

### A. Bill Of material for main Supply Items

SN	Item Description	UoM	Qty
01	IP Outdoor PTZ Camera with power supply & mounting accessories	Nos	6
02	RF devices Unlicensed ISM band 5.725-5.875GHz. Or 2.4 GHz (License free)	Nos	6
03	Video recording and management software for 15 cameras expandable upto 50 cameras	lot	1
04	Server with 19" Monitor	Nos	1
05	Viewing Station as workstation with Monitor	Nos	1
06	32" LCD Monitor	Nos	1
07	UPS 2KVA with 30 mins back up @ CMS	Nos	1
08	UPS 0.6KVA with 30 mins back up @ Camera , RF Device.	Nos	6

### B. Rate Contract - Supply

09	Supply of Power cable 3C 1.5 sq mm armoured	Mtr	90
10	Supply of CAT 6 STP	Mtr	305
	Supply of Casing or conduit	Mtr	100
11	Supply of 6 core armoured OFC saddling over the wall	Mtr	100
12	Networking components like LIU, pigtaills, patch chords, media convertors, etc	Lumpsum Per Node	1
<b>13</b>	<b>9 Meter Pole / Tower for RF link and camera</b>	Nos	<b>6</b>

### C. Rate Contract - Service

14	Installation Power cable 3C 1.5 sq mm armoured	Mtr	90
15	Laying of CAT 6 STP <b>(With casing or Conduit )</b>	Mtr	305
16	Laying of 6 core armoured OFC saddling over the wall]	Mtr	100
17	Trenching work like excavation	Mtr	100
18	Installation Commissioning and testing Charges complete system	Lumpsum	1
19	Lump Sum charges for shifting of each camera with in site along with accessories ( if any ).	Lump sum	3
20	Lumpsum charge for shifting of surveillance camera system alongwith accessories excepting Pole, to other site / location as per clause No.37 of RFP [ pole , OFC, UTP & other accessories if required shall be supplied by vendor as per rates quoted in the BOQ ]	Unit Rate	1

**(Quantity of Cables/Conduits etc under rate contract are tentative**

### D. Optional Rates- PART

01	AMC Charged for 2 year - after 1 year warranty period	lumpsum	1
<b>02</b>	8 port L2 switch - commercial grade to be placed indoors for CMS	Nos	<b>1</b>
<b>03</b>	8 port L2 switch Industrial grade for outdoor Perimeter with outdoor enclose	Nos	<b>1</b>
<b>04</b>	6 m Pole for mounting of PTZ camera	Nos	<b>1</b>

# Site Name: Singreni

## A. Bill Of material for main Supply Items

SL. No	Item Description	UoM	Qty
01	IP Outdoor PTZ Camera with power supply & mounting accessories	Nos	6
02	RF devices Unlicensed ISM band 5.725-5.875GHz. Or 2.4 GHz (License free)	Nos	6
03	Video recording and management software for 15 cameras expandable upto 50 cameras	lot	1
04	Server with 19" Monitor	Nos	1
05	Viewing Station as workstation with Monitor	Nos	1
06	32" LCD Monitor	Nos	1
07	UPS 2KVA with 30 mins back up @ CMS	Nos	1
08	UPS 0.6KVA with 30 mins back up @ Camera , RF Device.	Nos	6

## B. Rate Contract - Supply

09	Supply of Power cable 3C 1.5 sq mm armoured	Mtr	90
10	Supply of CAT 6 STP	Mtr	305
	Supply of Casing or conduit	Mtr	100
11	Supply of 6 core armoured OFC saddling over the wall	Mtr	100
12	Networking components like LIU, pigtaills, patch chords, media converters, etc	Lumpsum Per Node	1
13	<b>9 Meter Pole / Tower for RF link &amp; Camera</b>	<b>Unit Rate</b>	<b>6</b>

## C. Rate Contract - Service

14	Installation Power cable 3C 1.5 sq mm armoured	Mtr	90
15	Laying of CAT 6 STP <b>(With casing or Conduit )</b>	Mtr	305
16	Laying of 6 core armoured OFC saddling over the wall]	Mtr	100
17	Trenching work like excavation	Mtr	100
18	Installation Commissioning and testing Charges complete system	Lump sum	1
19	Lump Sum charges for shifting of each camera with in site along with accessories ( if any ).	Lump sum	3
20	Lumpsum charge for shifting of surveillance camera system alongwith accessories excepting Pole, to other site / location as per clause No.37 of RFP [ pole , OFC, UTP & other accessories if required shall be supplied by vendor as per rates quoted in the BOQ ]	Unit Rate	1

**(Quantity of Cables/Conduits etc under rate contract are tentative )**

## D. Optional Rates- PART

01	AMC Charged for 2 year - after 1 year warranty period	lumpsum	1
02	8 port L2 switch - commercial grade to be placed indoors for CMS	Nos	1
03	8 port L2 switch Industrial grade for outdoor Perimeter with enclose	Nos	1
04	6 m Pole for mounting of PTZ camera	Nos	1