

Price Bid Format

(Annexure – B)

Name of Work:- Supply, Installation, Commissioning & Maintenance of Perimeter Intrusion Detection System & CCTV Surveillance system for plant on lease basis for 5 years

Part A - Lease										
S. No	Item name	Unit	Qty	Outright purchase price per unit	Per quarter Equipment Cost including lease charges for unit quantity excluding GST (INR)	Per quarter Maintenance charges for unit quantity excluding GST (INR)	Per Quarter total cost on lease basis for Unit Qty (excluding GST)	Per Quarter total cost on lease basis for total Qty (excluding GST)	Tax Rate (GST)	Total Amount payable for one quarter for Total Qty. including GST
	a	b	c	d	e	f	g=(e+f)	h=(c x g)	i	j
1	IP based 2MP Box Type Camera with varifocal lens for Deep Learning Analytics as per spec alongwith IR housing and Camera Pole mounting bracket as per specification at Annexure -A	Nos.	110							
2	IP based 4K UHD PTZ Camera at Perimeter Wall as per specification at Annexure -B	Nos.	30							
3	IP based 2MP Fix ANPR Box Camera with varifocal lens as per spec alongwith IR & housing at Entry and Exit Points as per specification at Annexure -C	Nos.	14							
4	IP based 2MP Fix Camera at gates for Deep Learning Analytics as per specification at Annexure -D	Nos.	20							
5	64 Channels Network Video Recorder with 80 TB Storage as per specification at Annexure -F <ul style="list-style-type: none"> including Hardware, OS, with minimum 64 channels with features for Video management, Video monitoring & administration, user access control Keyboard, Mouse, Display monitor (min 17" TFT) Rack mountable with Internal Storage for video recording archival Should be able to store min 90 days video recording in 24x7 mode Storage 90 days @25/30fps for all cameras Size of storage to be specified by the vendor Storage should be of Surveillance grade and should come with all necessary racks (if external) and suitable enclosures for rack mounting. 	Nos.	4							

6	IP based 2MP Fixed Bullet cameras for inside factory locations as per specification at Annexure -D	Nos.	80							
7	12MP Fisheye Cameras for inside factory locations as per specification at Annexure -E	Nos.	40							
8	4K PTZ UHD Camera for inside factory locations as per specification at Annexure -B	Nos.	30							
9	64 Channels Network Video Recorder with 80 TB Storage for inside factory locations cameras as per specification at Annexure -F <ul style="list-style-type: none"> • including Hardware, OS, • with minimum 64 channels with features for Video management, Video monitoring & administration, user access control • Keyboard, Mouse, Display monitor (min 17" TFT) • Rack mountable with Internal Storage for video recording archieval • Should be able to store min 90 days video recording in 24x7 mode • Storage 90 days @25/30fps for all cameras • Size of storage to be specified by the vendor • Storage should be of Surveillance grade and should come with all necessary racks (if external) and suitable enclosures for rack mounting. 	Nos.	4							
10	42 unit Rack for server & storage mounting along with cable tray & necessary adequate no. of power strips, power cables etc as per specification at Annexure -G	Nos.	1							
11	VMS Server Hardware as per specification at Annexure -H	Nos.	2							
12	VMS Software License for VMS Channels as per specification at Annexure -I	Nos.	324							
13	Deep Learning Artificial Intelligence Software License as per specification at Annexure -J	Nos.	110							
14	Client Workstation - PC alongwith Main Integrated Display Unit with 4 hdmi output display card and with 4 nos. of 55" commercial display LED panel for 24*7 monitoring (PC/Workstation should have Latest licensed OS, PC with min specification: i7 Processor, Min 16 GB RAM & min Dual graphics card), Keyboard, mouse, UPS as per specification at Annexure -K	Nos.	2							

15	Software License for Client Workstation	Nos.	2							
16	Industrial Grade 8 Port PoE industrial Switch with 2 Ports SFP with Modules (managed) as per specification at Annexure -L	Nos.	40							
17	IP66 Rated Junction Box fitted with 2Pole MCB and OFC 6 Core 2 Fiber cable Splice Tray as per specification at Annexure -P	Nos.	40							
18	ANPR Rack Mounted workstation hardware as per specification as per specification at Annexure -Q	Nos.	3							
19	Software License for ANPR Channels as per specification with client software as per specification at Annexure -R	Nos.	14							
20	Operating cost for Manpower - (3 Service engineers to be posted at site on full time basis)	LOT	1							
21	25 KVA UPS with 30min Backup as per specification at Annexure -T	Nos.	2							
22	15 KVA UPS with 30min Backup as per specification at Annexure -U	Nos.	1							
23	24 Port Managed Switch with 4 Port SFP as per specification at Annexure -V	Nos.	2							
Total lease charges per quarter (T)										
Total lease charges for 5 years= T x 20										
Part B - Outright purchase (These charges should be valid for entire contract period)										
S. No	Item name	Unit	Qty	Outright purchase price per unit				Total Outright purchase price	Tax Rate (GST)	Total Outright purchase price including GST
	a	b	c	d				Total = (d X c)	i	j
1	6 Core Armoured Single Mode Fiber Cable including Laying in HDPE Conduit (32/26) outer 32 mm and 3 mm thickness ISI Marked as per specification at Annexure -M	Meters	11000							
2	4 Core Armoured 2.5 sq mm, multi strand copper conductor, PVC insulated Power Cable including Laying as per specification at Annexure -N	Meters	9000							
3	Cat-6 Armoured Ethernet Cable compliant with latest EIA/TIA- 568-B.2-1 standard including laying in PVC Conduit 25 mm dia Medium 2.0 mm Thick as per specification at Annexure -O	Meters	14000							
4	2m wall mount Pole/angle for Camera mounting as per specification at Annexure -S	Nos.	140							
5	Railway Track Trenching (1 lot)	LOT	1							
6	4 Core Armoured 10sq mm, multi strand copper conductor, PVC insulated Power Cable including Laying as per specification at Annexure -W	Meters	1000							
7	Installation & Commissioning	LOT	1							
8	Shifting of network switches to new location as per requirement**	Nos.	10							
9	Shifting of cameras to new location as per requirement**	Nos.	50							
Total of B										
TOTAL COST (Tx20 + Total of B)										

Note:

- The lease charges are to be quoted for 60 months, payable at the end of each quarter for 20 quarters.

- 2 **Total Quarterly Lease Charges of part A shall include Total Quarterly Equipment Cost, Installation charges, Insurance, Total Quarterly Maintenance Charges, Total Quarterly Interest Charges, training etc.**
- 3 The comparative statement will be on total quarterly lease charges plus taxes x 20 quarters (Part - A) and Outright Purchase(Part - B). For Deciding L1, total cost (Part A + Part B) will be considered
- 4 GST to be paid extra by BHEL as per the Government rule.
- 5 Payment on account of cables and pipes shall be made on actual consumption basis, however for comparative statement, quantities under various heads have been mentioned.
- 6 All values are to be quoted in Indian Rupees.
- 7 Shifting of cameras/ network switchs cost will be paid as per actual shifting (** Need base. Tentative Qty Taken.)
- 8 BHEL will not provide any PCs for Cluster Control & Central Information Distribution
- 9 The Rate will be fixed throughout the contract.
- 10 For award of work, Lump sum L1 amount shall be considered, Order will be placed only to one party on the basis of the overall lowest quoted price in the bid. The work will not be split in any circumstances
- 11 The bidder should submit their quotation either on their letter head or by way of return of original tender document duly filled, signed & stamped.
- 12 The bidders must quote competitive prices competitive process considering the fact that price negotiations. If required to be held with the lowest tenderer only.
- 13 In case of Tie between two or more parties, discounted offer shall be asked from respective bidder and L1 will be decided on the discounted offers. Discounted Offer to be called in sealed bids and shall be opened in tender room, if prices are still in tie, the decision of L1 shall be on lottery basis.
- 14 Bid should be free from correction, overwriting, using correcting fluid etc. Any interlineation, cutting, eraser or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid, otherwise bid shall be liable of rejection.
- 15 All cuttings & corrections in the bid document should be avoided. In case the tenderer resorts to many corrections including usage of white correction fluid in the tender document, the tender shall be liable for rejection.
- Discrepancy in Words & Figures:-
- (a) If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- 16 (b) If there is an error in a total corresponding to the addition or subtraction of subtotals , the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
- (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.