

**National Competitive Bidding
(NCB) Single Stage Two Cover
System**

**BIDDING DOCUMENT
For
Procurement of the work**

**Tender for the Supply, Installation and Commissioning of CCTV
Surveillance System in Velankanni under Prasad Scheme in Tamil
Nadu**

Volume 2-Price Bid

Issued on :
Invitation for Bids No. :
Package No. :

Employer:

**The Chairman & Managing Director,
Tamil Nadu Tourism Development Corporation Limited,
Tamil Nadu Tourism Complex,
2, Wallajah Road, Chennai – 600 002,
Tamil Nadu**

Telephone: +91- 44-, 25333851-85

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Price Bid

Name of Work : Supply, Installation and Commissioning of CCTV Surveillance System in Velankanni under Prasad Scheme in Tamil Nadu					
S. No	Item Description	Qty	Unit	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
A	B	C		D	
1	Supplying and Fixing of 64 Channel Ultra 4K H.265 Network Video Recorder with Intel Processor, Max 64/128 IP Camera Inputs, Max 384Mbps Incoming Bandwidth, Up to 12MP Resolution for Preview and Playback. Supports RAID 0/1/5/6/10, Smart Tracking and Intelligent Video, Multi-screen Display (2 HDMI OUT different source), 4 K Resolution with mentioned technical specifications.	1	Nos		
2	Supplying and fixing of V F Camera 2.7 MM to 13 MM of 1/3” 4Megapixel progressive CMOS Image Sensor, 16x Digital Zoom, 2688(H) x1520(V) Effective Pixels, 512MB/32MB RAM/ROM, Progressive Scanning System, 2.7mm~13.5mm Focal Length, IR Distance up to 60m(197ft), 4 IR LEDs, Angle of View - H:104°~28°, V:55°~16°, 3D DNR Noise Reduction, Smart IR Support, Motion Detection, Privacy Masking, IP67 Ingress Protection with mentioned technical specifications	11	Nos		

3	Supplying and fixing of V F Camera 2.7 MM to 13 MM of 1/2.8" 2 Megapixel progressive CMOS Image Sensor, 16x Digital Zoom, 1920(H) x1080(V) Effective Pixels, 256MB/32MB RAM/ROM, Progressive Scanning System, 2.7mm~13.5mm Focal Length, IR Distance up to 100m(328ft), 4 IR LEDs, Angle of View - H:35°~12°, V:19°~7°, 3D DNR Noise Reduction, Smart IR Support, Motion Detection, Privacy Masking, IP67 Ingress Protection with mentioned technical specifications	12	Nos		
4	Supplying and fixing of PTZ Camera of 1/2.8" STARVIST™ CMOS Image Sensor, , 25x Digital Zoom, 1920(H) x 1080(V) Effective Pixels, 1024M/64M RAM/ROM, Progressive Scanning System, IR Distance up to 150 m(492ft), 4 IR LEDs, Tripwire, Intrusion, Abandoned/Missing, Face Detection, IP66 ingress Protection with mentioned technical specifications.	8	Nos		
5	Supplying and fixing of Surveillance 4 TB HDD of SATA 6GB/s interface, Upto 32 Camera supported, 64 MB Cache, 1 to 16 Drive bays supported, Rescue data recovery service up to 3 years, Non-recoverable read errors per bits read Max 1 per 1014, 180 Max sustained Date rate, OD Read (MB/s), 5.6 Typical Operating mode with mentioned technical specifications.	8	Nos		
5	Supplying and fixing of Video Controller with Quad core embedded microprocessor, Embedded linux Operating system, Max 10 Video input card & output card,	1	Nos		
6	Supplying and fixing of Video wall with 40" inches Screen Size Tv, LED Panel Technology, 16:9 Aspect Ratio, 1920 X 1080 Resolution, 178 degree*178 degree Viewing angle, 1:4 splitter controller, bracket Fixed frame for above video wall and mentioned specifications	4	Nos		

7	Supplying and fixing of 5.5 Kva Online Ups - inverter with Sine wave inverter- 3 KVA, Output voltage 230 v pure sine wave, In built battery charger, Battery Back Up Time of 5 hours or more and mentined specifications.	2	Nos		
8	Supplying and fixing of media converter with • Gigabit Ethernet “short-reach” fiber connectivity, LC duplex connector , Fits into SFP interfaces of all Fully Managed Switches, Smart Switches , Drives Gigabit Ethernet up to 1,000 m distances with 50/125µm laser-optimized OM4 multimode fiber cables.	14	Pairs		
9	Supplying and cable laying charges through Excavation (0.7 to 0.8 M depth) of 12 Core Armoured Fiber cable	5500	M		
10	Supplying and cable laying charges through Excavation (0.7 to 0.8 M depth) of 3 core Armoured Power cable 1 SQmm	5500	M		
11	HDPC ooze 1 Inch	5500	M		
12	3 " Dia G A pipe 20 Feet	14	Nos		
13	weather Proof housing	12	Nos		
14	Weather proof Box	14	Nos		
15	Floor Mount Rack	1	Nos		
16	PTZ control joystick	1	Nos		
17	88Ah Battery	16	Nos		
18	High end wireless device	1	Nos		
19	PoE Switch	14	Nos		
20	Network Fiber switch 12 port	1	Nos		

21	<p>System installation and commissioning inclusive of control room / field erection, mounting / control room cable laying / console erection / power distribution etc. which is not covered in other headings to complete the entire system erection including erections of poles with specifications mentioned below;</p> <p>1. Erection of 21 Nos. of Free Standing tapered structure with Hexagonal 5 m pole of Size 100m, thickness 3 mm with foundation, wind load for design as per IS-875, finishing of One coat of Red Oxide and One Coat of Aluminium Paint.</p> <p>2. Erection of 200 Nos. of Free Standing tapered structure with Hexagonal 5 m pole of Size 100m, thickness 3 mm with foundation, wind load for design as per IS-875, finishing of One coat of Red Oxide and One Coat of Aluminium Paint.</p>	1	Set		
	Total Cost				
	Amount Rupees in words				

Note: Detailed Bill of Material and Specification is given in Tender Clause 7.2 and 7.3.

A2.3 Annual Maintenance Contract Charges

ANNUAL MAINTENANCE CONTRCT CHARGES FOR 5 YEARS (AFTER DEFECT LIABILITY PERIOD)						
Invitation of Bid No:						
Contract Package No:						
Bidders Name & Address:						
Name of Work: Supply, Installation and Commissioning of CCTV Surveillance System in Velankanni under Prasad Scheme in Tamil Nadu						
Sl.No	Item	I year	II year	III year	IV year	V year
		Charges in INR				
1	Cost of spares, tools and tackles for Annual Maintenance					
2	Cost towards repairs/services etc. for routine maintenance					
3	Any other charges (specify)					
4	Annual Maintenance charges for 5 years excluding electricity charges (1+2+3)					
	Total					
Total for 5 years (INR)						
Amount Rupees in words						
Name of Bidder						
Signature of the bidder with seal						