

**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 at
various identified beaches in Tamil Nadu under
Swadesh Darshan Scheme**

Volume 2-Price Bid

Issued on : 06.10.2018
Invitation for Bids No. : 2600/Engg/2018

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

Bill of Quantities for Marina Beach

S.No	Name of the item	Quantity	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
1	2 MP IP PTZ Camera with IR	15		
2	2 MP IP Panoramic PTZ camera with multi-sensor	2		
3	2 MP IP Bullet camera with IR	15		
4	6 mtr GI Pole	15		
5	Industrial Grade PoE switch with 2 SFP Port	15		
6	Electrical (single phase) connectivity establishment including deposit, Energy meter, mains for Poles and control room	16		
7	Electrical charges for 12 months (Monthly/bimonthly)	15		
8	Electrical Charges for 12 months for control room (bimonthly or monthly)	1		
9	800 VA Inverter with 1 hour back up	15		
10	Outdoor Single mode six core fiber cable	6000 mtrs		
11	Indoor Single mode six core fiber cable	100		
12	Outdoor CAT 6 Cable	600 mtr		
13	Indoor CAT 6 Cable	600 mtr		
14	2.5 Sqmm Electrical Cable	200 mtr		
15	HDPE Pipe	6000 mtrs		
16	Outdoor vandal proof (metal) IP 66 enclosure	15		
17	Layer 3 Manageable Switch	1		
18	32 channel NVR with 16 TB Hard Disk	2		
19	55" LED Display	2		
20	Joy stick	2		
21	Control room setup	1		
22	24U Rack	1		
23	5 KVA Online UPS with one hour backup	1		
	Sub Total - A			

Installation, Commissioning including digging charges, cable laying, camera fixing, all civil, masonry, carpentry works and Other accessories (Small Poles, Cable ties, Insulations, PVC Materials, Cable and Wires, Patch chords, Fixing accessories, Nut, Bolts, etc.) to be included.

Bill of Quantities for Mamallapuram Beach				
S.No	Name of the item	Quantity	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
1	2 MP IP PTZ Camera with IR	20		
2	2 MP IP Panoramic PTZ camera with multi-sensor	2		
3	2 MP IP Bullet camera	20		
4	6 mtr GI Pole	20		
5	Industrial Grade PoE switch with 2 SFP Port	20		
6	Electrical (single phase) connectivity establishment including deposit, Energy meter, mains for Poles and control room	21		
7	Electrical charges for 12 months for Poles	20		
8	Electrical Charges for control room for 12 months	1		
9	800 VA Inverter with 1 hour back up	20		
10	Outdoor Single mode six core fiber cable	7000 mtrs		
11	Indoor Single mode six core fiber cable	200		
12	Outdoor CAT 6 Cable	900 mtr		
13	Indoor CAT 6 Cable	600 mtr		
14	2.5 Sqmm Electrical Cable	500 mtr		
15	HDPE Pipe	7000 mtrs		
16	Outdoor vandal proof (metal) IP 66 enclosure	20		
17	Layer 3 Manageable Switch	1		
18	32 channel NVR with 24 TB Hard Disk	2		
19	42" LED Display	2		
20	Joy stick	2		
21	Control room setup	1		
22	12U Rack	2		
23	5 KVA Online UPS with one hour backup	1		
	Sub Total - B			

Installation, Commissioning including digging charges, cable laying, camera fixing, all civil, masonry, carpentry works and Other accessories (Small Poles, Cable ties, Insulations, PVC Materials, Cable and Wires, Patch chords, Fixing accessories, Nut, Bolts, etc.) to be included.

Bill of Quantities for Rameswaram Beach				
S.No	Name of the item	Quantity	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
1	2 MP IP PTZ Camera with IR	10		
2	2 MP IP Panoramic PTZ camera with multi-sensor	1		
3	2 MP IP Bullet camera	10		
4	6 mtr GI Pole	10		
5	Industrial Grade PoE switch with 2 SFP Port	10		
6	Electrical (single phase) connectivity establishment including deposit, Energy meter, mains for Poles and control room	11		
7	Electrical charges for 12 months for poles(monthly/bimonthly)	10		
8	Electrical charges for 12 months for control room (monthly/bimonthly)	1		
9	800 VA Inverter with 1 hour back up	10		
10	Outdoor Single mode six core fiber cable	3500 mtrs		
11	Indoor Single mode six core fiber cable	50		
12	Outdoor CAT 6 Cable	400 mtr		
13	Indoor CAT 6 Cable	400 mtr		
14	2.5 Sqmm Electrical Cable	200 mtr		
15	HDPE Pipe	3500 mtrs		
16	Outdoor vandal proof (metal) IP 66 enclosure	10		
17	Layer 3 Manageable Switch	1		
18	16 channel NVR with 16 TB Hard Disk	2		
19	32" LED Display	2		
20	Joy stick	1		
21	Control room setup	1		
22	12 U Rack	2		
23	3 KVA Online UPS with one hour backup	1		
	Sub Total – C			

Installation, Commissioning including digging charges, cable laying, camera fixing, all civil, masonry, carpentry works and Other accessories (Small Poles, Cable ties, Insulations, PVC Materials, Cable and Wires, Patch chords, Fixing accessories, Nut, Bolts, etc.) to be included.

Bill of Quantities for Kanyakumari Beach				
S.No	Name of the item	Quantity	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
1	2 MP IP PTZ Camera with IR	3		
3	2 MP IP Bullet camera	3		
4	6 mtr GI Pole	3		
5	Industrial Grade PoE switch with 2 SFP Port	3		
6	Electrical (single phase) connectivity establishment including deposit, Energy meter, mains for Poles and control room	3		
7	Electrical charges for 12 months for poles(monthly /bimonthly)	3		
8	Electrical charges for 12 months for control room (monthly/bimonthly)	1		
9	800 VA Inverter with 1 hour back up	3		
10	Outdoor Single mode six core fiber cable	800 mtrs		
11	Indoor Single mode six core fiber cable	20		
12	Outdoor CAT 6 Cable	120 mtr		
13	Indoor CAT 6 Cable	120 mtr		
14	2.5 Sqmm Electrical Cable	60 mtr		
15	HDPE Pipe	800 mtrs		
16	Outdoor vandal proof (metal) IP 66 enclosure	3		
17	Layer 3 Manageable Switch	1		
18	8 channel NVR with 4 TB Hard Disk	1		
19	16" LED Display	1		
20	Joy stick	1		
21	Control room setup	1		
22	6 U Rack	1		
23	1 KVA Online UPS with one hour backup	1		
	Sub Total – D			

Installation, Commissioning including digging charges, cable laying, camera fixing, all civil, masonry, carpentry works and Other accessories (Small Poles, Cable ties, Insulations, PVC Materials, Cable and Wires, Patch chords, Fixing accessories, Nut, Bolts, etc.) to be included.

Bill of Quantities for Manapad Beach				
S.No	Name of the item	Quantity	Unit rate/ per no. / Per mtr charges including taxes (in Rs.)	Total Amount including taxes (in Rs.)
1	2 MP IP PTZ Camera with IR	6		
2	2 MP IP Panoramic PTZ camera with multi-sensor	1		
3	2 MP IP Bullet camera	6		
4	6 mtr GI Pole	6		
5	Industrial Grade PoE switch with 2 SFP Port	6		
6	Electrical (single phase) connectivity establishment including deposit, Energy meter, mains for Poles and control room	7		
7	Electrical charges for 12 months for poles(Monthly /bimonthly)	6		
8	Electrical charges for 12 months (Monthly/bimonthly) for control room	1		
9	800 VA Inverter with 1 hour back up	6		
10	Outdoor Single mode six core fiber cable	1800 mtrs		
11	Indoor Single mode six core fiber cable	50		
12	Outdoor CAT 6 Cable	300 mtr		
13	Indoor CAT 6 Cable	300 mtr		
14	2.5 Sqmm Electrical Cable	100 mtr		
15	HDPE Pipe	1800 mtrs		
16	Outdoor vandal proof (metal) IP 66 enclosure	6		
17	Layer 3 Manageabale Switch	1		
18	16 channel NVR with 16 TB Hard Disk	1		
19	42" LED Display	1		
20	Joy stick	1		
21	Control room setup	1		
22	12 U Rack	1		
23	3 KVA Online UPS with one hour backup	1		
	Sub Total – E			

Installation, Commissioning including digging charges, cable laying, camera fixing, all civil, masonry, carpentry works and Other accessories (Small Poles, Cable ties, Insulations, PVC Materials, Cable and Wires, Patch chords, Fixing accessories, Nut, Bolts, etc.) to be included.

Note: Detailed Bill of Material and Specification is given in technical bid.

S.No	Destination	Cost including taxes in Rs.
1	Marina - Sub Total A	
2	Mamallapuram- Sub Total B	
3	Rameswaram- Sub Total C	
4	Kanyakumari- - Sub Total D	
5	Manapad- Sub Total E	
	Grand Total	