## **Kerala Tourism Development Corporation Limited**



(A Government of Kerala Undertaking)
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KTDC//IT/CCTV/2023/11510-(a)

10-1-2024

### **QUOTATION NOTICE**

Sub: - Supply and Installation of CCTV Surveillance System at Bolgatty Palace - reg.

Competitive quotations are invited from reputed firms for the Supply and Installation of CCTV Surveillance System at KTDC Bolgatty Palace Event Centre & Lake side, Kochi as per the attached schedule and following terms & conditions.

### **Terms & Conditions**

- 1. The rate shall be inclusive of all taxes, duties, loading and unloading charges, transportation, other incidental expenses and net for the work at above sites.
- 2. The payment will be as per the actual measurement of quantities deployed at site.
- 3. Payment will be released after the satisfactory supply, installation, testing and commissioning of CCTV/ Surveillance System keeping 5% as retention for the defect liability/warranty period.
- 4. The items supplied should have a warranty for a minimum period of 2 years and any service requirement needed within the warranty period has to be attended at the site.
- 5. The firm shall have GST registration for work contract and proof of same shall be provided along with the offer.
- 6. The work shall be carried out in consultation with the Unit Manager without affecting the routine operation of the unit.
- 7. The materials used for the work should be from the attached approved list of make of materials.
- 8. A technical discussion meeting shall be held with the lowest rate quoted firm before placing work order
- 9. An agreement shall be executed with security deposit (5% of the contract amount) agreeing to the conditions of contract.

The offer shall reach the office of the System Analyst, KTDC Ltd., Mascot Square, Trivandrum – 695 033 on or before 20-1-2024, 2 P.M. and will be opened on 21-1-2024, 11 AM.

If the last date mentioned falls as a holiday or hartal, the very next working day will be treated as the last date.

SYSTEM ANALYST.

LIST OF APPROVED MAKES OF MATERIALS							
SI No.	Material	Makes					
1	NVR.	Hikvision, Sony, Samsung, Honeywell					
2	Camera.	Hikvision, Sony, Samsung, Honeywell					
3	POE Network switch	Hikvision, D Link, TP Link					
4	Surveillance Hard Disk.	Seagate, W.D.					
5	Cat6 Cable, Patch cord	D Link, Finolex, Molex					
6	RJ 45 connectors	D Link, Molex					
7	Rack	Rittal, Mass, D Link.					
8	Patch Panel	Netrack, Valrack, Schneider, D-Link					
9	Optical Fibre, LIU ,Optical Fibre pigtail	Finolex , Molex, Honeywell, CommScope					
10	Optical Fibre Media Converter (Single Mode	D-Link, TP Link, Molex					

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# SCHEDULE FOR CCTV SURVEILLANCE SYSTEM INSTALLATION WORKS AT KTDC BOLGATTY PALACE (EVENT CENTRE), KOCHI.

Part-A								
Sl No	Description	Qty	Unit	Unit Rate	Sub total	Tax %	Tax Amt	Grand Total
				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		- N	T DENGE	
	Supply of Outdoor 4 Megapixel				AT		Stl outs	
	High Definition IP Bullet Camera			Property.	ar en	e of i	o vibe	
	of good quality & approved make				tob Xane	Tso Ti	word of	
	with 2560 × 1440@30fps		1		. velab	Down	e ghillu	
	resolution,4 mm lens, minimum				eumin 1	ollar	7070	
	30 m IR range, H.264				oj goizi	019	ar mag	
	Compression, Video bit rate 32				gun ai di	M- 82	100	
2	Kbps~16Mbps, 2.54cm	4	Nos.		mbaba	emal	E-works	
	progressive scan CMOS,PoE				descreed	n unantr	SINTIN	
	(Power over Ethernet), 120db				Hed ,308	KIND	e Mor	
	Wide Dynamic range, 3D Digital				Baougi	i cum	5 - 2.0	
	Noise Reduction,Dual stream,				MARIN S	CAR	135,40	
	DC12V & PoE (802.3af), IP67				Sent Late	E SLIES		
	Weather Proof, day/night				THE STATE	in lett		
	vision,Auto, scheduled Day/Night				20	Irigh	ATARA	
	Switch,RoHS Compliance etc.			- Mit	foresting)	GTSID	in la via	118
	Supply of Indoor 4 Megapixel						5.	
	High Definition IP Dome Camera			la b	aonall,	dant.	104 100	
	of good quality & approved make			the d	Dwy beb	ROLL	MILES S	
	with 2560 × 1440@30fps			9,000	WET :	STOLE !	THE TORK	
	resolution,4 mm lens, minimum						00119	
	30 m IR range, H.264				Mary Insul	STATE OF	and the	
	Compression, Video bit rate 32		L I	20711	WINT I		Dept.	
3	Kbps~16Mbps, 2.54cm	4	Nos.				10000	
3	progressive scan CMOS,PoE	4	NOS.	Total I	to nuti	Hetsal	bas de	
	(Power over Ethernet), 120db							
	Wide Dynamic range, 3D Digital			1000	araban,	T. Hiting	hard d	
	Noise Reduction, Dual stream,			- 1101	To mod	patent	DIE VIO	
	DC12V & PoE (802.3af), IP67				The La	DY OLTO	The same	
	Weather Proof, day/night			DC N	E noitell	final	u a vie	
	vision,Auto, scheduled Day/Night		1	1000	ow believe	at ville	q duj	
	Switch,RoHS Compliance etc.						z pisoze	

4	Supply of High Definition 8 Megapixels (upto 12 mp) 64 channel NVR, HDMI and VGA output at up to 1920 x 1080 resolution,Network cameras can be connected with 80M/160M incoming and Outgoing bandwidth, 4 SATA interfaces capacity up to 8 TB for each HDD, support network detection, including network delay, packet	A-	No.	PVEILE TV PA Spiral spiral meller oftips	TV SE	DATE OF THE STATE	H. H. H.	103 103 104 104 100 109
	loss etc. optical mouse, IR Remote etc. Provision for easy backup to USB, built-in reporting of various alarms including hard disc errors, unauthorized logins, network conflicts etc, full feature remote access through IE Browser and with Client Software. (Black Metal Body)			Intend 19 264 19 32 S Acial S Acial 120 40 Ingital nearmy	anguage anguage o bio pa creethal age 3B a thusi ag	LEL-TE	pression and press	100 100 100 100 100 100 100 100 100 100
5	8 Port Poe Network Switch. (2 port normal uplink.)	1	Nos.	idgin		north.	terth	eW.
6	8 TB SATA Hard Disc.	2	Nos.	The latest	NISU DOLL	Dause	AULALUS	HY I I I I
7	Supply of Camera Housing With Stand.	4	Nos.	fazogo	galacia es galacia es	Oning Indoo	n vk	dns !!!
8	Supply and Installation of 6U Rack Fully Loaded with all accessories.(Rack Tray,Surge Protector)	1	Nos.	asian 20108	Framod Bryongo 1984 1	The Bottom	Eup bac Eup bac 25 s	
9	Supply and Installation of 9U Rack Fully Loaded with all accessories.(Rack Tray,Surge Protector)	1	No.	(.264 0 32 5 mg	e opioa o lid ce	EJV Ja	m oczany iriai sa	Com Com
10	Supply and Installation of 8 Port Patch Panel with all accessories.	1	Nos.	db05.	omo o ernyt]. er in	nf8 x	gressin o det . ove Liveral	A 12 A
11	Supply and Installation of 6 Port LIU Fully Loaded with all accessories.	1	Nos.	m 591 7011	e tsug (toilsus	Jeffinn Jak	8 80 d 27 &	Mole roal
12	Supply and Installation of 24 Port LIU Fully Loaded with all accessories.	1	No.	pageta erdetki	ded Day Hearce et	readia Some	DOLANDS DOLANDS Ch Rod L	ere perce
13	Supply and Installation RJ 45 Connectors.	10	Nos.					
14	Supply of 1Mtr Patch Cord.	8	Nos.	K BL				
15	Supply and installation of Optical Fibre pigtail	2	Nos.					

16	Supply of Optical Fibre Media	1	Nos.	MAJOR	SIMIN	VIDa"	109_a	uenan
10	(Single Fibre) Converter 1 Pair.	b of the	1103.	A LOLD	HALL STATE	41110		
17	Supply and Installation of PVC 5X5" CCTV Camera Box.	4	Nos.		10	tope	C .	200
18	Supply of CAT 6 Network cable.	500	m.		- 11			2
20	Supply of 25mm PVC conduits/casing capping, (Standard ISI medium) with all accessories such as saddles etc	250	m.	raigh raigh dag, e ango,	ilet Can red male a rusour 0 to 18	n IP Su Neggy Neggy Neggy Negy Negy Negy Negy N	epindet ylacop epi s i epi s i	GBH stog APK ram
21	Supply of 25mm PVC Water pipe with necessary Digging, fittings & accessories.	250	m.	54cm	S Post	-16MH :un CV	ed mesos ed m	st mu
	Total A			- laptA	quus	- Dai	HI BLA	
			Part-B	0 - 10	I I I I I I I I I I I I I I I I I I I	A15 183	DET MEN	SHIPLE OF
	Installation char	ges for	above l	ocation	( Labou	r Char	ges)	0.74
2.1	Laying Charges for Cat-6 Network Cable through conduit including of wall if necessary etc and complete.	500	m.	belat	adative ape	i toria	v drigio pre Dal pre Dal	Days Com
2.2	Laying Charges for 25mm PVC conduits/casing capping, 8 no 4×4 pvc Box (Standard ISI medium) with all accessories such as saddles etc and complete.	250	m.	dgiH Fo. s dhivi Anot Sjan	Come Come of ingle resolut	noil noil rappa noi gra noi gra	In to vi	Definition of the control of the con
2.3	Laying Charges for 25mm pvc Water pipe with necessary Digging, fittings & accessories.	250	m.	molecul	S 2	1646	rapidi mozza	32 1 mag
2.5	Optical Fiber Cable 6 Core (SC connector) Splicing Charges with termination box.	1	Nos	selos 8 V	e leafyfa 170 - ca Landuse'	OE Les essa le vaeu	un sen Sinepp er E Vii8	iDyn. Redi
2.6	Charges for Installation, testing and commissioning the entire CCTV Surveillance System.	1	Ls.	oourl GHo.		ιλ ήσα	night vi Night Naor m	Veril
	Total B		DIT I				Indian in	1000 E I
10 100	Grand Total	(Dart-	±₽)		THE AND IN			

# SCHEDULE FOR CCTV SURVEILLANCE SYSTEM INSTALLATION WORKS AT KTDC BOLGATTY PALACE (LAKE SIDE & HALL), KOCHI.

Sl No	Description	Qty	Unit	Unit Rate	Sub total	Tax %	Tax Amt	Grand Total
	Supply of Outdoor 4 Megapixel High Definition IP Bullet Camera of good quality & approved make with 2560 × 1440@30fps resolution,4 mm lens, minimum 30 m IR range, H.264 Compression, Video bit rate 32 Kbps~16Mbps, 2.54cm			VC III 35	emp cupps on position of the company	as do	of test asen and IST melson unblace of the	(injanič siprabi sessosi no boso rlacnič sesosi
1	progressive scan CMOS,PoE (Power over Ethernet), 120db Wide Dynamic range, 3D Digital Noise	6	Nos.		A fals	asicos 1	223.6	
	Reduction, Dual stream, DC12V & PoE (802.3af), IP67 Weather Proof, day/night vision, Auto, scheduled Day/Night Switch, RoHS Compliance etc.		008.10	20) (30) (02) (03) (03)	Hatlon c for Ca igh contr cessary	ateol 20g pomir e mi ir lii	unio Sidel di sw to ga	layad Netwo Netwol
2	Supply of Indoor 4 Megapixel High Definition IP Dome Camera of good quality & approved make with 2560 × 1440@30fps resolution,4 mm lens, minimum 30 m IR range, H.264 Compression, Video bit rate 32 Kbps~16Mbps, 2.54cm progressive scan CMOS,PoE (Power over Ethernet), 120db Wide Dynamic range, 3D Digital Noise Reduction,Dual stream, DC12V &	2	Nos.		25mm Black B	Tage and the second sec	control  con	Assic parametrical
3	PoE (802.3af), IP67 Weather Proof, day/night vision, Auto, scheduled Day/Night Switch, RoHS Compliance etc.  8 Port Poe Network Switch. (2 port	1	Nos.		un, testi the soli	dalles galles	DE ADEL	termin charge and p
	normal uplink.)			re-G) In	and here			
5	Supply of Camera Housing With Star Supply and Installation of 6U Rack Fully Loaded with all accessories.(Rack Tray,Surge Protector)	1	Nos.					
6	Supply and Installation of 8 Port Patch Panel with all accessories.	1	Nos.					
7	Supply and Installation of 6 Port LIU Fully Loaded with all accessories.		Nos.					

8	Supply and Installation RJ 45 Connectors.	20	Nos.					
9	Supply of 1Mtr Patch Cord.	8	Nos.			+	+	
10	Supply and installation of Optical Fibre pigtail	2	Nos.					
11	Supply of Optical Fibre Media (Single Fibre) Converter 1 Pair.	1	Nos.					
12	Supply and Installation of PVC 5X5" CCTV Camera Box.	2	Nos.					
13	Supply of CAT 6 Network cable.	350	m.					
14	Supply of Optical Fibre Cable 6 Core Armoured.	200	m.	ditro)				
15	Supply of 25mm PVC conduits/casing capping, (Standard ISI medium) with all accessories such as saddles etc and complete.	100	m.					
16	Supply of 25mm PVC Water pipe with necessary Digging, fittings & accessories.	300	m.					
17	Supply of 20mm HDPE Water pipe with necessary Digging, fittings & accessories.	200	m.					Constant
18	Supply and Installation for 1 1/2" GI Pole - 4Mtr.	3	Nos.					of sec al
	Total A							
			Part-B					
	Installation char	ges for	above	locatio	( Labou	ir Charg	ges)	
2.1	Laying Charges for Cat-6 Network Cable through conduit including of wall if necessary etc and complete.	350	m.					
2.2	Laying Charges for 25mm PVC conduits/casing capping, 8 no 4×4 pvc Box (Standard ISI medium) with all accessories such as saddles etc and complete.	100	m.					
2.3	Laying Charges for 25mm pvc Water pipe with necessary Digging, fittings & accessories.	300	m.					
2.4	Laying Charges for Optical Fibre Cable 6 Core Armoured.	200	m.					
2.5	Laying Charges for 20mm HDPE Water pipe with necessary Digging, fittings & accessories.	200	m.					
2.6	Optical Fiber Cable 6 Core (SC connector) Splicing Charges with termination box.	1	No.					
2.7	Charges for Installation, testing and commissioning the entire CCTV Surveillance System.	1	Ls.					
	Total B							
	Grand Total (							