POLICE DEPARTMENT

From

To

The Joint Commissioner of Police,

All firms at Annexure

Traffic (South) i/c (North) Vepery, Chennai -07.

RC.No.Tr.Imp. 2(2)/233/23541/Sig./2021

Dated: .05.2022

Sir,

Sub:- Chennai Traffic Police - Procurement and installation of following 2 Nos. of LED Road Traffic Signal at following junction - Through Limited Tender - Sealed Quotation Called for - Reg.

The Chennai Traffic Police has proposed to procure and installation of following 2 Nos. of LED Road Traffic Signal along with three years warranty and two year maintenance at following junction through "Limited Tender":

S. No.	Signal No.	Name of the junction	Sanctioned Amount
1.	W-17	100 Feet Road X Koyambedu Exit Gate	Rs.12,01,125/-
2.	W-19	100 Feet Road X Nathella Kalyana Mandapam	Rs. 6,52,437/-

- 2. In this connection, companies willing to participate in the tender are requested to furnish their quotations for above item separately in a sealed covers on or before 23.05.2022 at 15.00 hrs. The sealed cover should be addressed to the Joint Commissioner of Police, Traffic (South) i/c (North), Vepery, Chennai-07 with the name of the equipment / product for which quotation is submitted super-scribed on the top of the cover. The sealed cover will be opened in the presence of the tenderers on 23.05.2022 at 15.00 hrs. If any test certificate is required as per the specification, the tender should submit the test certificate from authorized Government test lab or equivalent which is obtained within two years of date of tender and the expenditure for testing have to be borne by the tenderers. The tenderer should show customs duty, GST and other taxes in their quotation of rates separately.
- 3. The tenderers are requested to attend the meeting at chamber of the Joint Commissioner of Police, Traffic (South) i/c (North), 7th floor, New Commissioner of Police building, Vepery, Chennai-07.

Yours sincerely,

For Joint Commissioner of Police, Traffic (South) i/c (North)

Copy to: The Addl. Commissioner of Police, Traffic.

30%

Specification of LED Road Traffic Signals

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3 i ii iii iiv	possible as p dedicated Ether					
3 i ii iii iiv v		rnet or ec	quivalent modes has to be provided			
i ii iii iv v	Specifications					
ii iii iv v	No of Outputs					
iii iv v	Communication					
iv v	No of slaves		30 Minimum			
	Information exchanged		Head Plan, and CDT time, Amber or Red Flash, Signal OFF			
vi	Human interface Device		16x2 Dot Matrix LCD, Six setting buttons and Manual signal interface			
+	Supply requirement		220 volts converter to 12 v DC or solar interface			
4	Slave Processor					
i	No of Out puts	on Board	1 16 or more			
ii	Communication to master		er RS 485/RS 232			
iii	Information exchanged		Head Plan, and CDT time, Amber or Red Flash, Signal OFF			
iv	Supply requirement		220 volts converter to 12 v DC or solar interface			
5	Specifications of Cables					
i	16 Core Falls Cable of ISI Brand					
ii	12 Core Falls Cable of ISI Brand					
	6 & 4 Core Falls Cable ISI Brand					
	6 & 4 Core Fall	LUIL II	AC Cable 1 sq mm ISI Brand			

Sl. No.	Technical Specification of LED Signals						
6	Specifications of Traffic Con	trol Panel					
	SPECIFICATION	DATA					
I.	Supply AC Voltage	AC 230V _ + 10 %					
II.	Supply voltage for control card	12/5 V dc					
III.	Processor used	8/16/32 Bit Processor.					
IV.	LCD interface	Required					
V.	Keyboard interface	Required					
VI.	Junctions Handling capacity	3 Way & 4 Way Junctions & 5 Way or more					
VII.	Switching Type	Solid State					
VIII.	On sight Programming	Required/ To be provided					
IX.	Programming Remote System	Required/ To be provided					
X.	Remote Programme Key pad	Required/ To be provided					
XI.	Emergency Ambulance oper key Remote						
XII.	Pedestrian Handling	Required/ To be provided					
XIII.	Automatic ON / Flash option Remote system	Required/ To be provided					
XIV.	UPS Backup option	Required/ To be provided for entire system.					
XV.	Solar Backup option	Required/ To be provided					
XVI.	Auto / Manual option Remot System	many promoting it are to a little and the last					
XVII.	Manual Flash option Remot	te Required/ To be provided					
	Total Power consumption	100 W – 200 W.					
7	Specifications of LED Dome						
i.	Dome	Polycarbonate material Black (or Transparent, I P 66 Standard					
ii.	Dome light Colours	Red, Yellow & Green					
iii.	Lamp Diameter	300 mm dia					
iv.	Red	190 - 200					
v.	Yellow	190 -200					
vi.	Green	60 -75					
vii.	Protection	IP – 66, complies with NEMA = 12					
viii.	Illuminate	3 Types LED Array.					
ix.	Chroma city	As per VICSH Standard					
X.	Operating Voltages	12 v DC					
8	Specification of LED Details						
I.	SPV Module	600 WP					
II.	MCB Signal with 3 Digital count down timer						
III.	Bright LED, with 1,00,000 Undertaking to be obtained from Vendo						
IV.	Luminous intensity	8300 mcd / 20 ma 250					
V.	Visibility	50 meters or more					
VI.	Colour Red, Yellow, Green						

Sl. No.	Technical Specification of LED Signals					
9	Specifications of Countdown Timer					
I.	LED	Super Bright, High Efficiency RED LED				
II.	Count down Timer Colour	Red				
III.	Having	i. Intensity 8000 to 10000 mcd or more				
	Following	j. Wave Length 625 Nm or more				
	specification	k. Viewing angle 23 degrees				
		LED outer diameter 5 mm				
1.	Size	1.5 x 2				
a.	Input Voltage	230 vac +/- 10%, 50 Hz				
b.	Outer Box Size	710 mm x 450 mm (+ or - 10 mm) thousand in M.S				
	and the same of th	cabinet with hinged door & Powder coated With				
		defused Red Acrylic				
c.	Indication for	1 Led ball having Red, Yellow & Green LED the (120				
	signal	mm dia) lights. The Ball will charges the colour as per				
		signal condition				
d.	Operating	0 to 55 Deg C.				
	Temperature					
10	LED - Poles					
I.	Cantilever	Type MS - Pole				
II.	Bottom straig					
-	pole	20 Feet height				
III.	Top crossing pole	6 " dia 4 mm thickness round (or) square Poles = 12 Feet Length				
IV.	Bottom Plate	14mm thick 18" sq				
V.	Ton Diete :	2nos 12mm thick size 10' x 12' = 2 nos.				
VI.	Top Plate:					
	Signal straight M – Pole					
VII.	Pole colour	Yellow & Reflective sticker				
		3 Feet depth 2 feet height concrete Base				
VIII.	Foundation	Belt Bolt = 4 nos				
. 1		Bolt thickness = 1'				
а	Type Pole LED	Red , Yellow, Green pixel LED's				
		(Led sheet Size = 4')				
I.	Red signal	Functioning Red Colour Pole				
II.	Yellow Signal	Functioning Yellow Colour Pole				
III.	Green Signal	Functioning Green colour Pole				
11	System Operation	on				
i Operation		14 Hours Operation and 10 Hours Blinking day				
ii	Auto Manual	Fully automatic operation with facility for manual				
		operation and manual Remote control Systems				
Iii	Remote	Fully Remote operation System (Way time Setting, Auto Manual, Emergency Ambulance opening)				
12	Technical Specification Fully Remote systems with Pole LEI					
	signals	Performance RISC Based Microcontroller.				

Sl. No.	Technical Specification of LED Signals				
i.	Running Mode, Current Running Status & Current time Count Will be displayed using OLED Display.				
ii.	Wireless Communication With Secured RF Communication.				
iii.	Running Mode, Time setting, Emergency way, Flicker, Auto, Manual,				
	Everything will be controlled using Wireless RF remote.				
iv.	CPU 8/16/32 Bit Processor Operates at 16 MHZ or more				
v.	256 K Byte Flash Memory 8 KB SRAM				
vi.	Real Time Clock DS Available with Battery				
vii.	Short circuit Protection Required				
viii.	Everything will be controlled using Wireless Remote as well as option available in panel Board.				
ix.	Provision for Remote control with power full lithium battery for long				
	Backup for 4 hours				
x.	Provision for Remote control with user friendly OLED Display will able to				
00 00 14 11 12 12 12 12 12 12 12 12 12 12 12 12	display Current running Details				

For Joint Commissioner of Police, Traffic (South), Chennai-7.