



**GOVERNMENT OF KERALA
POLICE DEPARTMENT**

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www.keralapolice.gov.in

H3/140009/2017/PHQ

Dated: 05/10/2018

**e-Government Procurement (e-GP)
NOTICE INVITING TENDER**

The State Police Chief, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the **SUPPLY AND INSTALLATION OF 20 KVA UPS SYSTEM**. The bidders should comply with the following general conditions in addition to the additional conditions of the instant tender.

General

1. The Bidder should be a reputed Original Equipment Manufacturers (OEM) or authorized dealer of OEM, who is having an Authorization Certificate from the OEM to participate in the tender floated by Kerala Police. Certificate from the OEM for sales and service, to be produced.
2. One bidder can not represent two suppliers/OEMs or quotes on their behalf in a particular tender.
3. The OEM/Bidder should have a well equipped service centre functioning in India (preferable in Kerala) to cater to immediately after sales requirement; copy of Service Centre details must be enclosed along with Tender document. (Preferably bidder should have a Service Centre in Kerala/South India).
4. A reputed vendor can participate in the tender provided the vending outfit is functioning in the market for at least 10 years.
5. The Bidder should have valid GST registration. Copy of GST registration certificate should be enclosed along with the tender.

6. The bidder should have valid PAN/Taxation Index Number. Copy of PAN/Taxation Index Number allocation letter should be enclosed along with the tender.
7. The Bidder must fulfil the following minimum qualification criteria to prove the techno-commercial competence and submit the documents in support thereof:
 - a). Valid Authorization letter from the OEM to attend this particular Tender.
 - b). Certificate of Registration/Incorporation Certificate of the Bidder.
 - c). Last 3 year's financial status of the Bidder's/P&L and Balance Sheet/audit report of last 3 years.
 - d). The bidder (authorized dealer/distributor) should have the dealership/distributionship for at least 3 (three) continuous consecutive years with the OEM.
 - e). The Bidder has to submit a Warrantee Certificate along with invoices.
 - f). In case of a propriety item, a certificate by the OEM to be attached.

1	Tender No. & Date	KPET/61/2018/PHQ Dated 05.10.2018
2	Item	SUPPLY AND INSTALLATION OF 20 KVA UPS SYSTEM
3	Quantity	2 Nos.
4	Estimated Amount	Rs. 17 Lakhs
5	Tender Fees	Rs. 3300 + Tax = Rs. 3700/- (Rupees Three thousand seven hundred only)
6	Earnest Money Deposit	Rs. 17,000/- (Rupees. Seventeen thousand only)
7	Specifications	Attached in tender document

8	Date and time of publication of e-Tender	05/10/2018, 06:00 PM
9	Date of submission of e-Tender	05/10/2018, 06:00 PM To 25/10/2018 ,12:00 NOON
10	Last date and time for online submission of e-tender	25/10/2018, 12:00 NOON
11	Date and time of opening of e-Tender	27/10/2018, 3:00 PM
12	Place of opening	Police Headquarters, Thiruvananthapuram
13	Date, Time and Place of Technical Evaluation	30/10/2018, 10.30 AM, Police Headquarters, Thiruvananthapuram
14	Bid Validity (Total Number of Days up to which the rates are to be firm)	180 days
15	Warranty & AMC	Three years warranty. Charges for AMC/ATS for a period of three years after warranty period should be quoted in the financial Bid.
16	Address of Tender Inviting Authority	State Police Chief, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2722566 Mobile No. 9497996998 Fax: 0471-2722566 e-mail: aig2phq.pol@kerala@gov.in Website: www.keralapolice.gov.in

9. Mode of submission of bids: - Online. All Bid documents shall be submitted only in online procedure through the e-GP website www.etenders.kerala.gov.in in their designated online covers. Details of covers are given separately. No other mode of submission shall be accepted and such tenders will be rejected outright.

10. Cover details: - No. of covers - 2. i) Technical Bid ii) Financial Bid. The AMC/ATS after warranty period also to be quoted in the Financial Bid. In the case of Foreign Equipments, the rate must be quoted in Indian Rupees. The documents to be uploaded under each online covers are specified in the website.

11. Downloading of e-Tender documents: - The tender document can be downloaded from the e-GP website www.etenders.kerala.gov.in from the date and time of publication of e-tender onwards to last date and time for online submission of e-tender. Downloading of tender documents will not be possible after the date specified above.

12. Submission of e-Tender documents: - The digitally signed tender document and other specified documents shall be submitted online through the e-GP website www.etenders.kerala.gov.in well in advance before the last date and time mentioned above. No submission shall be allowed after the last date mentioned above.

13. Payment of Tender Fees: - A non-refundable tender fee shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of payment shall be accepted. **THE TENDERS OF BIDDERS WHO DO NOT REMIT FEES THROUGH ONLINE WILL BE REJECTED OUTRIGHT.**

14. Payment of Earnest Money Deposit (EMD): - The EMD shall be paid in online mode through the e-GP website www.etenders.kerala.gov.in at the time of bid submission. No other mode of remittance shall be accepted.

15. Exemption from payment of EMD: - Bidders who are registered with Store Purchase Department, Kerala or National Small Scale Industries Corporation Ltd., New Delhi (for the items tendered) are exempted from submission of EMD. Those bidders claiming exemption shall submit valid registration certificate from the SPD, Kerala or NSSIC, New Delhi.

Tenders of bidders who do not remit EMD online or do not upload documental proof (digitally signed) for exemption of EMD will be rejected outright.

16. Withdrawal and re-submission of e-Tender: - The Bidders are at liberty to withdraw the submitted tender/documents and to submit fresh tender/documents till the last date and time of submission of the e-Tender after which withdrawal/re-submission will not be allowed.

17. Opening of e-Tenders: - The bids shall be opened online through the e-GP website www.etenders.kerala.gov.in at the Police Headquarters, Vazhuthacaud, Thiruvananthapuram on the date and time mentioned above in the presence of the Bidders/ authorized representatives who wish to attend at the above address. If the tender opening date happens to be a holiday or non-working day due to any valid reason, the tender opening process will be done on the next working day at the same time and place specified. Any change in the opening date/time/venue due to other reasons shall be informed by way of Corrigendum published in the e-GP website. The Technical Bids will be evaluated by a Technical Evaluation Committee and those that do not conform to the specifications or to the satisfaction of the Committee will be rejected. The financial bids of the Technically qualified Tenderers only will be considered for opening. The date of opening of financial Bids will be intimated to the concerned technically qualified tenderers, over phone/Fax/e-mail. This will be with in 7 to 10 days of evaluation of technical bid.

18. Technical Evaluation: - All tenderers who quote for the supply of above equipment are required to be ready for live demonstration to be held in the Conference Hall of the **Police Headquarters, TVPM on 30.10.2018 at 10.30AM (or any other venue which will be intimated in due course). In the event**

of firms not able to show live demonstration, they need to convince the Technical Evaluation Committee about such inability and resort to documentary/power point presentation with original product brochures/CDs/scale models/ videos/ slide shows etc. to the utmost satisfaction of the Technical Evaluation Committee. The Technical Evaluation Committee will be consisting of the following officials.

- i. Additional Director General of Police, South Zone - Chairman
(Ph. No. 0471- 2323775)
- ii . Inspector General of Police, TVPM Range - Member
(Ph. No. 0471-2330768)
- iii. Superintendent of Police, Telecommunication- Member
(Ph. No. 0471-2446347)
- iv. System Analyst, SCRB - Member
(Ph. No. 0471-2556229)
- v. DySP HITECH Cell - Member
(Ph. No. 0471-2721547 [Ext.]1154)

(The Chairman of the Committee can co-opt any other technical member of his choice to the Committee for proper evaluation of the tendered item. Any clarification/doubts regarding the specification or related matters pertaining to the items tendered may be freely got cleared through the officers included in the above committee by contacting them in the numbers shown against their names above. The contact in Police headquarters will be Senior Superintendent, H& Mod. Section, Ph. No. 0471-2722768-1265).

19. All Bidders who participates in e-tender should produce hard copies of all relevant documents related to e tender at the time of technical evaluation, without fail.

20. Note to Bidders:

- i) Bidders have to procure legally valid Digital Certificate (Class III) as per Information Technology Act, 2000 for digitally signing their electronic bids. Bidders can procure the same from any of the license certifying authority of India. For more details, please visit the e-GP website www.etenders.kerala.gov.in.

- ii) Bidders are advised to note the Tender_Id and Tender No. & Date for future reference.
- iii) All uploaded documents should contain the signature and the office seal of the bidder/ authorized persons and should be digitally signed while uploading. Documents uploaded without digitally signing shall entitle rejection of the tender.
- iv) In the case of Foreign Equipments, the rate should be quoted in Indian Rupees. Preference will be given to those who are ready to supply the item without opening Letter of Credit. Ordinarily, no advance payment will be made for procuring the above item. In case advance payment has to be made, a clear case has to be made out by the Tenderee. However this will be only on extraordinary circumstances.
- v). For obtaining Digital Signature Certificate and help on e-tendering process, contact Kerala State IT Mission, e-Government Procurement PMU & Helpdesk, Basement floor of Pension Treasury Building, Uppalam Road, Statue, Thiruvananthapuram; Ph: 0471-2577088, 2577188; Toll free no: 18002337315; e-mail:etendershelp@kerala.gov.in; Website: www.etenders.kerala.gov.in on all government working days from 9:30 am to 5:30 pm.
- vi) The State Police chief is empowered to reject any tender without assigning any reason.
- vii) For any clarifications regarding the terms and conditions in this tender notice or the tender document, please contact Additional Asst. Inspector General of Police, , OR Senior Superintendent H Branch, Police Headquarters, Vazhuthacaud, Thiruvananthapuram – 10 on all Government working days from 10:30 am to 5:00 pm. Ph:0471-2721547 Fax: 0471-2726945
- viii) **Bidders who are using Internet Banking are requested to make online payment 72 hours in advance.**

NOTE: - BIDDERS ARE ADVISED TO GO THROUGH THE CONDITIONS IN THE NOTICE INVITING TENDER AND THE TENDER DOCUMENT CAREFULLY AND COMPLY THEM TO AVOID OUTRIGHT REJECTION OF THEIR TENDER.

For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

Sd/-

Additional Assistant Inspector General
For DIRECTOR GENERAL OF POLICE &
STATE POLICE CHIEF, KERALA

DETAILED TECHNICAL SPECIFICATIONS FOR 20 KVA UPS SYSTEM (2 Hours backup)

Sr.NO	DESCRIPTION	Tender Specification
01	Capacity	20KVA / 16kW - 2 Nos in Parellel Connection
02	Make & model	VERTIV / NUMERIC / APC(SURT20KRMXLI) / RIELLO power India P. Ltd
03	Design	True online double conversion design Micro processor based
04	Mode of Operation / Working	Synchronized in Parallel mode
	INPUT	
05	Nominal Input Voltage	3Phase ,415V ± 15% (, 3Phase + N+ ground)
06	Nominal Input Frequency	50Hz with range of 46 - 54Hz (Auto Sensing)
07	Input Power Factor	≥ 0.99 at 100% Load
08	Type of Rectifier	IGBT based Rectifier
9	Nominal voltage regulation	1%
10	Charging Method	Constant voltage constant current (CVCC)
11	Load power factor	0.8 p.f (For server & computer load)
12	Input Total Harmonic distortion	Less than 5% for full load
	OUT PUT	
13	Nominal Output voltage	3 Phase + N ,AC 415V ± 0.5%
14	Output Frequency	Frequency Range : 50 Hz ± 0.1 Hz adjustable ; Frequency Range (Synchronized Range): 46Hz- 54 Hz @ 50Hz system
15	Output Waveform	Pure sine wave
16	Total Harmonic distortion (THD)	≤2 % for Linear load & ≤ 3% for Non linear load
17	Inverter	IGBT based PWM with Instantaneous Sine wave control
18	Power Rating	20kW at Unity p.f
19	Dynamic response	IEC62040-3 Classification 1
20	Crest factor	3:1
21	Duty.	Continuous duty
22	Overload Capacity	5 Min @ 105% -125% and 1min @ 125% - 150 %
23	Frequency synchronization Band for Static. Bypass	46 - 54Hz
24	Transfer (Inverter to Bypass)	0 ms
25	Retransfer (Bypass to Inverter)	0 ms
26	Manual bypass facility	Required

27	Change over from static bypass to manual bypass	Internal bypass (Automatic & manual)
28	Automatic Bypass	Inbuilt static bypass,
29	Inverter Efficiency (DC to AC)	AC mode : > 96.2 % ;
30	Overall efficiency (AC to AC)	≥ 95%
31		
32	Operating Temperature range	0 - 40°C
33	Storage Temperature	-15 to 45 °C
34	Humidity	< 95 % and non-condensing %
35	Altitude	< 1000m
36	Enclosure Protection Grade	IP 20
37	Cooling	Forced Air
	BATTERY & RUN TIME	
38	Battery Type	12 Volt , SMF UPS battery with stand and all other accessories
39	Number of Batteries	32 Nos, Blocks with Power stack.(For 2 Hrs back up Time)
40	Battery Capacity (voltage& Ah)	12 V , 200 Ah 32Nos or As per design by manufacture
41	Back -up Time	2Hours
42	Charging current Capacity	12- 20 Amps or 10 % of full load
43	Charging Method	Constant voltage constant current (CVCC)
44	Typical Recharge Time	2.5 Hours
45	Nominal Battery Voltage	340 - 400V.D.C Volt (Bus Volt)
46	End of discharge battery voltage	336V D.C volt
47	Efficiency of Battery operation	95.00%
	COMMUNICATION & Protections	
48	Metering	Digital display
49	LCD Digital Display Parameters	Input volt, input Hz, Out Put Volt, out put current, out put Hz, Battery volt & Fault indication
50	LED indications	Input ON, out put ON, Battery mode ,Load ON & Bypass mode
51	Protection	Overload/Short Ckt/Battery Deep Discharge/Low Battery/Reverse Battery/Inverter Current Limitation/Over Temperature/Output Overvoltage.
52	Inter face Ports	DB-9 RS 232 communication port for interfacing, Remote monitoring, RJ 45 10/100 Base- T , Smart -Slot
53	Testing standards	Safety: IEC/EN 62040-1-1

54	Surge Protection standard	SURGE : IEC/EN 61000-4-5
55	Acoustic Noise Level	≤ 58dB @ 1 Meter
57	Noise standard	EMI : Conducted Emission (Category C3) IEC/EN 62040-2, Radiated Emission IEC/EN 62040-2
58	Other Standards	EMS :(Level 4)
		ESD - IEC/EN 61000-4-2
		RS - IEC/EN 61000-4-3
		EFT - IEC/EN 61000-4-4
		CS - IEC/EN 61000-4-6
		Power-frequency Magnetic field - IEC/EN 61000-4-8
		Low Frequency Signals - IEC/EN 61000-2-2
59	Approval	BSMI, EN/ IEC 62040-1-1,EN/ IEC 62040-2, VDE
60	Addition for including	CD with soft ware,User Manual, Web/ SNMP Management Card
61	Protection Class	IP 20
62	Standard Warranty	3 Years Replacement warranty