



POLICE HEADQUARTERS { PROVISION SECTION } J&K SRINAGAR.

Phone/Fax No: 0194-2443031/ 2443032
0191-2459029/2459255(Jammu)

(Sgr)Website: www.jkpolice.gov.in
Email: phqjk@jkpolice.gov.in

Gist of e-tender notice No 49 of 2018

Dated: - 28. 09. 2018

For and on behalf of the Governor of Jammu and Kashmir State, e-tenders are hereby invited from registered OEM's or their authorised dealers to quote against this e-tender for Supply of Communication items as mentioned in Annexure "A" of this tender notice. The download of the NIT shall start on 29 /09/2018 from 1600 hours. Tenders shall be submitted online on J&K State e-Procurement Portal www.jktenders.gov.in upto 20 .10.2018 before 1800 hours. The tenders (technical bids only) will be opened online on 22.10.2018 at 1100 hours at Police Headquarters J&K Peer Bagh Srinagar. In case of unforeseen circumstances, the date of opening will be next working day.

A pre bid conference shall be held at PHQ J&K Peer Bagh Srinagar on 09.10.2018 at 1600 hours, intending firms can participate in this conference to clarify any issue related to instant tender enquiry.

Detailed tender documents (SBD) with terms and conditions are available on J&K State e-procurement Portal www.jktenders.gov.in. The intending tenderers may visit this portal site for detailed information.


Mubassir Latifi JKPS

(AIG Provision/Transport)

For Director General of Police,

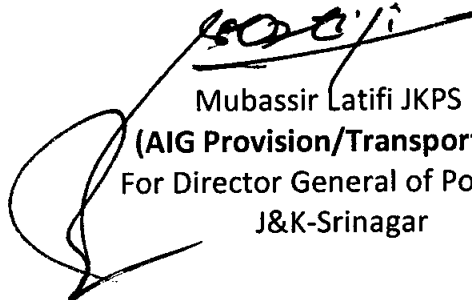
J&K-Srinagar

No: - Prov-II /WPR- 11/2018-19/65690-702 Dated: 29. 09.2018

Copy to the:-

1. Principal Secretary to Govt. Home Department J&K Srinagar
2. All ADsGPJ&K
3. All IsGPJ&K
....for favour of information.
4. DIG CKR Srinagar/DIG Jammu-Kathua& Samba Range Jammu.
5. Director Police Telecom J&K Srinagar for information.
6. Director Industries Jammu/Srinagar for information.
7. Chief Accounts officer PHQ J&K Srinagar for information

8. Director FSL J&K Srinagar for information
9. Manager Government Press Srinagar / Jammu for publication of the e.tender in Govt Gazette.
10. SSP J&K CID Cell, 11 Harish Chander Mathur Lane Kasturba Gandhi Marg New Delhi-110001 alongwith copy of the e.tender for information intending firms.
11. SSP PCR Srinagar for information
12. AIG Communication PHQ J&K Srinagar for information with the request to arrange publication of Gist of the e.tender through information department.
13. In-Charge IT Centre PHQ/In-Charge e-tendering PHQ for placing the e-tender on the website of J&K Police and J&K Govt. Portal.


Mubassir Latifi JKPS
(AIG Provision/Transport)
For Director General of Police,
J&K-Srinagar

28/9/18



POLICE

HEADQUARTERS

(Provision Section)

J&K,

SRINAGAR.

Phone/Fax No: 0194-2443031/ 2443032
0191-2459029/2459255(Jammu)

(Sgr)Website: www.jkpolice.gov.in
Email: phqjk@jkpolice.gov.in

E-tender notice No 49 of 2018

Dated: - 28. 09. 2018

SBD

1. For and on behalf of the Governor J&K State, e-tenders are hereby invited from registered OEM's or their authorized dealers to quote against this e-tender for Supply of Communication items as mentioned in Annexure "A" of this tender notice. The tender notice consisting of qualifying information, eligibility criteria, specifications, bill of quantities (BOQ), set of terms and conditions of the contract and other details can be seen/ downloaded from J&K State e-procurement portal www.jktenders.gov.in from 29 .09.2018 at 1600 hours to 20 .10.2018 up to 1800 hours.

A pre bid conference shall be held at PHQ J&K Peer Bagh Srinagar on 09.10.2018 at 1600 hours , intending firms can participate in this conference to clarify any issue related to instant tender enquiry.

Note: Only those firms should respond the tender enquiry which is capable to execute the supply, within shortest possible time to be specified in purchase order.

2.	Time/date and place for online opening of technical bid only	On <u>22.10.2018 at 1100 hours</u> at J&K Police Headquarters, Peer Bagh Srinagar.
	Validity of tender offer	Upto 31.12.2019
3.	All tender documents attached with this invitation to tender including the specifications are SACROSANCT for considering any offer as complete offer. It is important that scanned copies of each page of the tender document duly completed, page numbered and signed are uploaded with your offer in a sequential manner and not haphazardly.	

4. The tender fee has been fixed Rs 100/- only for SSI units of J&K State and all other vendors have to pay Rs. 2000/- in the shape of scanned copy of Treasury Challan deposited into State Govt. Treasury under object head 0055-Police & the same is non refundable . Treasury Challan should compulsorily mentioned (i) Name of Firm (ii) Tender No (iii) Date of opening of tender. However, the Govt/ Semi Govt. concerns of the J&K State claiming exemption of tender fee shall append authenticated orders, certificates etc. issued by competent authority in support of their claim. However, granting exemption from furnishing of Tender fee shall be at the sole discretion of DGP J&K Police or any officer authorized on his behalf. Tenders without stipulated tender fee shall be rejected.
5. Earnest Money Deposit (EMD):- Tender must be accompanied by a scanned copy of the Earnest Money for Rs 5000.00 in respect of SSI Unit holder of J&K and Rs 1,00,000/- (one lakh) for other pledged to AIG (Prov/Tpt) PHQ J&K without which tender will not be considered. The amount shall deposited in the shape of Call Deposit Receipt Valid at call/FDR/Bank Guarantee of any Nationalized Bank valid till 30.09.2019. However, all the participating bidders would upload scanned copy of the requisite EMD with the tender. The Earnest Money will be released to unsuccessful tenderer within one month of the final acceptance of the tender whereas in case of successful tender original EMD shall be obtained before awarding the contract & it will be treated as part of security deposit. No interest shall be payable by purchaser on the EMD deposited by the tenderer. The original CDR/FDR/TDR/BG shall be sent by post by the successful bidder to the AIG Provision & Transport c/o DGP J&K before award of contract in pursuance to Govt. order issued under No OM No A/24(2017)/651 dated 7.6.2018.
- The Address is as under :-
PHQ J&K Peer Bagh Srinagar (from May to October)
PHQ J&K Gulshan Ground Jammu (from November to April
J&K Govt. rules with regard to furnishing of EMD in respect of local Registered SSI units of J&K State shall be applicable in letter and

spirit. Tenders without EMD shall be rejected.

6.	iii) Approximate completion time	Within 45 days from the date of issue of supply order.
	v) Inspection authority / place of survey	Survey of the items shall be conducted by the survey board constituted by PHQ J&K.
	vii) Payment terms	Payment shall be released by the department after delivery of material and Survey by the board. However, mode of payment for Telephone exchanges would be 90 % after delivery / survey of the supplied material and 10 % after installation/commissioning of the Telephone exchanges.
7.	Rates quoted by the firms should be on firm price basis ie including all taxes/duties/charges if any.	
8.	i. If approved supplier backs out or fails to execute the supply order after placement of order within stipulated delivery period, the department will be at liberty to get the supplies executed from L-2 firm and differential amount between L-1 & L-2 rates will be recovered from the security deposit furnished by the approved supplier and remaining amount will be recovered from L-1 firm besides invoking other penalties which shall include black-listing of the firm etc.	
9.	Firms shall clearly indicate different taxes, duties, charges which they propose to charge as per the format of Bill of quantity (BOQ) available with the e-tender.	
10.	Conditional tender will not be accepted /entertained. It will be summarily rejected.	
11.	Department reserves the right to change the quantity of sites as mentioned in the tender.	
12.	Department reserves the right to get the executing capacity of all the firms re-verified/checked irrespective of the registration status or any other	

document / information.

13. Department reserves the right to cancel/reject or scrap the tender, with no consequential liability

14. TWO BID SYSTEM:--

All bidders are required to submit their offers in two covers online as under:-

(A) FIRST COVER (Technical Bid) is to be uploaded Online and scanned copies in PDF format should contain the following documents:-

i.	Tender documents (viz technical compliance, registration/existence certificates of the firms / SSI Units & performance etc.) duly page numbered completed and signed BUT WITHOUT INDICATING THE RATES QUOTED.
ii.	All pages of the technical bid/pre-qualification documents must be clearly page marked at the bottom centre of each page before scanning the same and uploaded to e-tendering portal.
iii.	Duplicate documents /pages shall not be uploaded by the bidders
iv.	Documents to be scanned ,converted to PDF format and subsequently uploaded to the portal must be scanned at 200 DPI(Dots per inch) resolution/scale.
v.	Tender fee and EMD documents must be scanned and placed in separate PDF files.
vi.	Bidders are advised not to upload any irrelevant /un-necessary documents on tender portal.
vii.	Scan copy of the NIT, all pages duly signed & stamped by the tenderer, in token of having understood and accepted the specifications, terms & conditions of the NIT.
viii.	Self attested copies of Income tax returns for the last 02 years
ix.	Chartered Accountant duly vetted financial statements comprising of P 2 LA/C balance sheet for the last 02 years latest GST return.
x.	Performance statement /turn over for last two years as APPENDIX-III of this NIT.
xi.	Acceptance of delivery/warranty & maintenance etc.

	xii.	Acceptance regarding execution of supplies within the stipulated time frame.
	xiii.	PAN no/GST/TIN No. Self-attested photocopies thereof be appended.
	xiv.	Check list for tenders as per APPENDIX-IV of this NIT.
	xv.	Any other relevant document which the firms wishes to submit
15.	(B) SECOND COVER (Commercial/Price Bid) should contain the following:-	
	i.	Rate quoted by the firm should be on firm price basis as per Bill of Quantities (BOQ) of the e-tender to be downloaded from the website and Rates should be carefully quoted offline and then uploaded (Rate quoted shall be final. The Zero basic cost quoted for any item in BOQ will be treated as Nil Quoted
	ii.	Rates quoted shall be final till the validity of the contract i.e. upto 31.03.2020 with provision of further extension if finally approved by competent authority.
16.	On due date of opening of tenders i.e. 22.10.2018 at 1100 hours, technical bids only shall be opened and technical evaluation process shall start. Those who qualify the technical bid on a/c documents uploaded by them shall be informed online with regard to opening of financial bids of the technically qualified firms.	
17.	Security Deposit: - The approved tenderer will have to furnish security deposit @ 5% of the total value in the shape of CDR/FDR valid for one year issued by a Nationalized/Scheduled Banks pledged to AIG Provision & Transport PHQ J&K Srinagar, at the time of signing of Deed of Agreement to ensure satisfactory performance of the contract, warranty period/agreed contract. The charges on stamps etc. (cost of documents in totality) shall be borne by the supplier while executing the agreement. (No interest shall be paid by the department on the Security deposit). J&K Govt rules for Security Deposit in respect of local SSI Units shall be applicable	
18.	Guarantee/Warranty Except as otherwise provided in the invitation to the tender, the approved supplier hereby declares that supplied items shall be in all respects strictly as per RFP/requirement of the department. The approved supplier hereby	

	guarantees the warranty of the supplies items for a period of 02 years from the date of acceptance.
19.	<p>Liquidity Damages</p> <p>Successful tenderer shall have to complete the execution of supply, installation/commissioning of Telephone Exchanges within stipulated period as would be mentioned in the supply order. J&K Police reserves the right to impose liquidity damages of 5% of the cost of un-supplied material if the supplies are not executed/installation is not completed in stipulated time frame.</p>
20.	As soon as the acceptance of the tender is communicated to the successful tenderers online, the contract shall be binding on him. The earnest money of the tenderer who backs out or withdraw his tender or fails to abide by it after acceptance thereof is communicated/posted to him shall be forfeited besides other penal remedies that may be available to the Govt. of the J&K under the law for the time being in force in the State of J&K.
21.	The successful tenderer shall have to enter into an agreement on prescribed proforma (immediately after the issue of supply order) with the Department for due performance of the contract which shall be invariably furnished before the supply is made.
22.	The tenderer are required to furnish an authenticated copy of latest GST return. The PHQ shall be at liberty to put to scrutiny, verification etc. the GST clearance so furnished by the successful tenderer.
23.	The authorities reserve absolute powers to reject or accept any tender or part thereof without assigning any reason and without any legal obligations. Any clause incorporated in the tender (not conforming to the NIT in any manner) shall make such an offer liable for rejection. Therefore, all the terms and conditions of the tender Notice including technical specifications shall be carefully studied for the sake of complete and comprehensive tender. Failure to comply with any of the conditions stipulated in the tender or instructions or the offer with insufficient particulars/documents shall lead to out-right rejection of the tender offer.
24.	If after the registration/placement of orders/execution of the agreement and formally depositing the security money, in case the tenderer backs out or fails to execute the work, the security deposited will be forfeited besides imposing any other penal provisions as the department may decide to invoke.

25.	The formal deed incorporating the terms of the contract will be executed by the successful tenderer immediately after receipt of supply order. Failure to execute such bond/deed shall not however prevent the contract from being enforced against the tenderer. Any loss sustained by the Govt. as a result of re-tendering the contract shall be recovered from the defaulter, besides other penal provisions as the department may decide.
26.	If at any stage of the tender process two or more bidders are found in collusion between /among themselves with the intent to reduce competition, set price, share technical expertise ,share business information /decision ,control/share production and or distribution of products and raise prices ,all such tenders shall be out rightly rejected.
27.	If at any stage of tender process any bidder/s is/are found influencing any Government Servant associated with or handling the tender process and supplies thereof, bid of such tenderer/s shall be rejected besides invoking penal action under rules.
28.	All legal proceedings arising out of any dispute between the parties shall have to be settled in the Courts situated in Srinagar and Jammu and not elsewhere
29.	The supplier shall not sublet the contract or any part thereof to any other agency
30.	The Department reserves the right to add or suitably modify the terms and conditions (without prior notification) as per exigencies and hence above shall not be construed as all inclusive.
31.	Bidders submitting their bids on-line shall only be accepted and manual bids shall be rejected and no document other than mentioned in the NIT shall be accepted manually.
32.	PHQ may call any bidder at any stage of the tendering process for seeking any clarification.
33.	The bidder should furnish an undertaking APPENDIX-II of this NIT stating that he /she is not connected in any manner with any other bidder in this tender with respect to manufacturing ,distribution, supply, in sharing business information/documents price of the item etc. for the items quoted in this bid and has not been blacklisted by any Central /State Governments . If this is found to be incorrect, his/her tender would be liable to be rejected without any further notice .
34.	The detailed NIT, SBD and BOQ are available on J&K State e-Procurement portal www.jktenders.gov.in .

35.	The rates approved by this Hqrs in terms of this tender notice shall not be used as rate contract by other Government department.
36.	The approved supplier has to ensure the reasonability of rates quoted by the firm. If at any stage it is found that firm has charged lesser rates of the same items as are supplied to J&K Police from any other organization or State/Central Govt. organizations, suitable action under rules shall be taken against approved supplier and excess amount charged from J&K Police shall be recovered.


Mubassir Latifi

(AIG Provision/Transport)

For Director General of Police,
J&K-Srinagar

28/8/18

APPENDIX-I

MANUFACTURER'S AUTHORIZATION LETTER/CERTIFICATE;

To,

The Director General of Police
J&K, Jammu/Srinagar.

Subject:-_____

Sir,

Please refer to your e-tender enquiry (NIT) No 49 of 2018 dated 28.09.2018.

2. We _____ who are proven and reputable Manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____ hereby authorize M/s _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above said goods manufactured by us.
3. We further confirm that no supplier or firm or individual other than M/s _____ (name and address of the above agent/dealer) is authorized to submit a tender, process for the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above said goods manufactured by us.
4. We also hereby extend our full warranty, CMS, support as per the conditions of contract, read with modifications, if any, in the special conditions of contract for the goods and services offered for supply by the above firm against this tender enquiry document.

Yours faithfully,

Signature with date, name and designation
For and on behalf of M/s _____
(Name and address of the Manufacturers)

Note:-

- a. This letter should be on the letter head of the manufacturing firm and should be signed by the person who is competent having the power of attorney.
- b. Scan copy of the original letter must be attached with tender documents.

SIGNATURE OF THE TENDERER.

APPENDIX-II

Reference e.NIT No 49 of 2018 dated- 28 .09.2018.

To,

The Director General of Police
J&K, Srinagar.

Sir.

1. I _____ hereby state that I am not connected in any manner with any other bidder in this tender in sharing business information/documents and price quoted in this bid.
2. I further state that if this is found to be correct, the police department is at liberty to reject my tender.
3. I further certify that my concern has neither blacklisted nor banned by any central or state organizations to participate in tendering process.

Yours faithfully,

Signature with date, name and designation

For and on behalf of M/s _____

(Name and address of the tenderer)

Note:-

- a. This undertaking should be on the letter head of the tenderer firm and should be signed by the authorized person.
- b. Scan copy of the original letter must be attached with tender documents.

APPENDIX-III

Performance statement for last two years

Name of the firm	
Description of work executed	
Quantity on order	
Value	
Original execution period	
Whether executed in stipulated time frame or other wise	
Extension sought for final execution	
Reasons for delay in execution (if any)	
Past performance in % age upto1 / 2 crores	
Past performance in % age above 2 crores	

Signature of Tenderer

APPENDIX-IV

General instructions/CHECK LIST FOR TENDERERS;

Before submission of tender documents, the tenderers should check whether they have complied with the following requirements or otherwise:-

<u>S.No</u>	<u>Requirement to be checked before submission of the tender</u>	<u>Complied</u> <u>(Please indicate YES or</u> <u>NO after complying</u> <u>with the requirement.</u>
1.	The tenderers for their own ease shall fill in relevant details of NIT offline & upload the same after ensuring accuracy	
2.	Whether tender fee scan copy is enclosed, with the technical bid?	
3.	Whether Earnest Money Deposit (EMD) scan copy is enclosed with the technical bid?	
4.	If an SSI Unit of J&K State, the same is indicated in the tender and scan copy of the valid registration/functional certificate is enclosed or not?	
5.	Whether scanned copies of complete tender documents are up-loaded in the technical bid duly signed having official seal on all pages or not. However, the quoted items may be also be ticked?	
6.	Whether tender documents are submitted in two bid system i.e. Technical and Financial Bids separately as per tender enquiry or not?	
7.	Whether offer validity as required in tender enquiry is accepted and indicated in your tender document or not?	
8.	Whether terms of execution required in tender enquiry is accepted and indicated in your tender document or not?	
9.	Whether payment terms as required in the tender enquiry is accepted and indicated in your tender document or not?	
10.	Whether performance statement for last 2 years as required in tender enquiry in the format is enclosed or not. If not, reason thereof is given?	

11.	Whether warranty period as required in the tender enquiry is accepted or not?	
12.	Whether maintenance conditions of the lease line during warranty /post warranty is accepted	
13.	If called for T.E. whether free training about usage of lease line is accepted or not?	
14.	Whether indicated in the tender document, if your firm's business dealings is banned by any Govt/Private agency or recommended for blacklisting or not?	
15.	The complete commercial quote should be in Indian Rupees only. Currency of price should be clearly mentioned (wherever applicable).	
16.	Tenderers are required to indicate Basic Rate, +GST in the relevant columns of the BOQ.	
17.	Tenderer will attach justification of price quoted which should include the recently executed contracts with Govt/Semi Govt Organizations etc.	
18.	No column should be left blank. Wherever amount is not quoted, the column should be clearly marked as 'Nil'.	
19.	Whether authorization certificate of the OEM (in case of authorized dealer) has been uploaded or not?	
20.	Valid registration certificate of approved dealer with central/state sales tax department for the items quoted	
21.	Latest GST return	
22.	SSI unit -registration certificate (local SSI units of J&K State only)	
23.	Whether copy of Copy of latest Income tax return has been uploaded.	
24.	Govt. supply orders for same if any available have been uploaded or not	
25.	Whether OEM registration certificate has been uploaded or not?	
26.	Whether other documents as asked in the SBD have been uploaded	

Annexure A of e-tender No 49 of 2018 dated 28.09.2018

Item No 01 DIGITAL VHF HAND HELD HIGH BAND RADIO SET WITH CHARGER & SPARE BATTERY PACKs

(Samples need to deposit in Police Central Store Jammu)

Tentative Qty 100 No

S.No	Parameters	Specification
1	General	
1.1	Frequency Range	136 – 174 MHz (Full Band)
1.2	TDMA	2-Slot
1.3	Channel Capacity	255 or more
1.4	Channel spacing	12.5 KHz or better
1.5	Battery Capacity	Lithium-ion/ Li-polymer rechargeable battery of capacity 2000 mAh or higher capacity .Complying applicable BIS Standard.
1.6	Average Battery duty cycle 5/5/90	Digital : 10 hrs or more Analog: 8 hrs or more
1.7	Frequency Stability	± 1.5 PPM or better
1.8	Antenna Impedance	50Ω
1.9	Antenna	Helical Antenna
1.10	Weight	Less than 500 grams with battery.
1.11	EMI/EMC	ESTI EN 301 489-1 & ETSI 301 489-5 *certificate
1.12	Air Interface Standards	Shall be open standards DMR Tire-II *certificate must
1.13	Type of operation	Radio should operate in analog mode and Digital mode.(Compatible with existing all type of VHF analog Radio sets Viz, Motorola , Kenwood , ICOM vertex etc.
2	Transmitter (Certificates Required)*	
2.1	RF Power output	VHF 1 to 5 watt (programmable)
2.2	FM Emission	11K0F3E, 7K60FXE ,7K60FXD,7K60FXW
2.3	Digital Modulation	4FSK
2.4	Modulation Limiting	± 2.5 KHz at 12.5 KHz.
2.5	FM Hum /Noise	-40 dB or better
2.6	Adjacent Channel power	-60 db or better
2.7	Audio Response	+ 1, -3 dB
2.8	Audio Distortion	Less than 3%
2.9	Digital Vocoder	AMBE+2
2.10	Communication Security	System should have inbuilt encryption (256 Bit AES) and should also have provision to support 3 rd party encryption.
3	Receiver	
3.1	Sensitivity Analog	0.30μv (12 dB SINAD) or better

3.2	Sensitivity Digital	0.30 μ v at 5% BER or better
3.3	Adjacent channel Selectivity	60 dB or better
3.4	Inter modulation	70 dB or better *certificate must
3.5	Audio output	Minimum 500 mW
3.6	Audio Distortion	Less than 3%
4	Environmental Specifications	
4.1	Operating Temperature	-30 °C to + 60 °C *certificate must
4.2	Storage Temperature	-40 °C to + 70 °C *certificate must
4.3	Humidity	Max. 95% @ +40 °C non condensing *certificate must
4.4	Vibration	MIL -STD- 810 F/G *certificate must
4.5	Shock & drop	MIL -STD- 810 F/G *certificate must
4.6	Water Intrusion & Dust	MIL -STD- 810 F/G or IP 67 *certificate must
4.7	Salt	MIL -STD- 810 F/G *certificate must
4.8	Rain	MIL -STD- 810 F/G *certificate must
4.9	Low Pressure	MIL -STD- 810 F/G *certificate must
Feature wise Configuration		
5	Accessories	
5.1	Battery Charger	
5.1.1	Input Voltage	230 V \pm 10%, 50Hz
5.1.2	Out Put Voltage	As per battery Pack (information will be provided by OEM/ Vendor)
5.1.3	Type of battery Charger	Li-ion / Li-Poly
5.1.4	Protection	(1) Reverse polarity protection (2) Short circuit protection
5.1.5	Indication	Visual indication for all modes of charging status
5.1.6	Charging time	Standard chargers-6 to 14 Hrs Rapid charger-1 to 3 Hrs
5.1.7	No. of charging Pocket	1/2/6 (vender to quote)
5.2	Hand Free Kit (VOX unit with PTT)(Optional)	The offered sets should be compatible with any one or more or the following variants 1. Bone Conduction 2. Ear Plug 3. Headphone, etc.
5.3	Programming kit	05 No's Software and Hardware kit Complete required for programming of the set independently for lifelong with the consignment.
5.4	Literature	i) Users 'manual with each radio sets should be provided free of cost in soft as well as hard copy. ii) 05 No's Technical repairing & maintenance manual with complete block diagram, circuit layout ,PCB layout ,component & wiring diagram etc should be provided with the consignment in soft as well as hard copy.
5.5	No. of Battery	Two Lithium-ion or Li-polymer batteries with each radio set .
5.6	Case (optional)	One good quality case with belt clips & shoulder strap to house the Radio sets in operation .
5.7	LCD	Should be available
5.8	Mode of calls	Selective call, Group Call & All Call
5.9	Caller ID display	Should be available

5.10	Transmitter Time Out Timer (TOT)	The time should be programmed to best suit the application
5.11	Remote Radio kill/ Un kill	Should be available
5.12	Programming	Front panel Programming with password protection or PC Programming
5.13	DTMF Front panel Keypad with back lit	Should be available
5.14	Battery strength bar	Should be available
5.15	GIS	Radio should have application protocol interface alongwith software application to provide location and messaging on PC / console
5.16	Networking	Should be capable to support IP site connects for automatic roaming.
6	Configuration	
6.1	Features	Simple Press to talk, Low Battery alert ,Continuous tone coded squelch system, Mixed mode Operation (Analog & Digital)
6.2	Any one of 2-tone / 5-tone /DTMF signalling	
6.3	Busy Channel lockout	
6.4	Selective Call Decode / Encode	
6.5	Capable of VOX Hand free operation	
6.6	PTT ID Encode	
6.7	Channel Scanning with Call quieting facility	
6.8	Emergency SOS/ SIREN	
6.9	Talk around Mode	
6.10	Automatic Number Identification (ANI)	
6.11	Text Messages and predefined messages.	
6.12	Should have built –in GPS feature with following specification: i) Time To First Fix (TTFF) cold start :<2 minutes ii) Time To First Fix (TTFF) hot start :<20 seconds Horizontal accuracy : < 10 meters	

Certificate Must---- OEM must produce certificate supported by International recognized Laboratory.

Note:-

1. Field Trial of the equipment will be conducted at the time of technical evaluation in presence of vendor / representative of firms to ascertain the user satisfaction with all required accessories provided by the participating firms on **"No Cost No Commitment"** basis.

Item No 2(a) VHF LOW BAND STATIC TRANSRECEIVER**Qty 15 No****(Sample need to be deposited in Police Central Store Jammu)**

S.No	Specifications	
1	General	
	i) Frequency Range	66-88 MHz (Full Band)
	ii) No. of Channels	26 or more
	iii) Channel spacing	12.5 KHz & 25 KHz or better
	iv) Frequency stability	<u>+2.5 PPM</u> or better (Certificate Required)*
	v) Protocol & Technology	FM
	vi) Type of Emission (Modulation) -	Analog: 11KOF3E
	vii) Type of Operation	Simplex Press to talk
	viii) Type of Antenna	1. 3dB gain GP antenna with 30 meter RG 217 RF cable for static stations fitted with suitable connectors at its ends.. 2. Handset mounting bracket with screws 3. Mounting bracket with screws for mobile radio.
	ix) Antenna Impedance	50Ω
	x) Power Source	12V DC
	xi) Speaker	Inbuilt
	xii) Protection	i. Reverse polarity protection ii. Protection against high VSWR
2	Transmitter (Certificate Required)*	
	i) R.F. Power Output	25 watt (programmable/ selectable)
	ii) FM Hum/Noise	-40 dB or better
	iii) Modulation Limiting	±2.5 KHz @ 12.5KHz
	iv) Adjacent Channel Power	60dB or better
	v) Audio Distortion	Less than 3%
3	Receiver (Certificate Required)*	
	i) Sensitivity	Analog: 0.30 μV or better
	ii) Selectivity (Adjacent Channel)	60dB or better
	iii) Inter Modulation	60 dB or better
	iv) Audio Output	≥ 3 Watt or better
	vi) Rated Audio Distortion	Less than 3%
4	Environmental Specifications (Certificate Required)*	
	i) Operating Temperature	-30° C to + 60° C
	ii) Storage Temperature	-40° C to + 70° C
	iii) Humidity	Max 95% @ +40° C non condensing
	iv) Environmental Standard i.e. Low & High Temperature, Low pressure, Temperature Shock, Solar Radiation, Rain, Salt Fog, Vibration, Dust & Shock	As per MIL 810 C, D,E, F
	v) Dust & Water Intrusion	IP 54 or better (Certificate required)*
5	Accessories	

	i) Battery Cable with fuse	Should be available
	ii). Microphone hand set	Should be available
	ii) Programming Kit	05 No's Programming software and hardware kit complete with the consignment
	iii) Literature	i) Users 'manual' with each radio sets should be provided free of costs ii) 05 No's Technical repairing & maintenance manual with complete block diagram, circuit layout ,PCB layout ,component & wiring diagram etc should be provided with the consignment in soft as well as hard copy.
6	Features & Configuration	
	i) Caller ID display	Should be available
	ii) Scan	Should be available
	iii) Transmitter Time Out Timer (TOT)	Should be available
	iv) LCD Display	Should be available
	v) Remote Radio Kill/Stun/Revive facility	Should be available
	vi) Emergency Button	Should be available
	Vii) Programming	PC Programming

Note:-

* Firm must produce certificate of any Govt. Accredited Lab or National Accreditation Board for Testing and Calibration Laboratories (NABL) approved Laboratory or International Laboratory Accreditation Corporation (ILAC) approved Laboratory

The radio should be compatible with existing analog Radio Network of J&K Police.

Field Trial of the equipment will be conducted at the time of technical evaluation in presence of vendor / representative of firms to ascertain the user satisfaction with all required accessories provided by the participating firms on "No Cost No Commitment" basis.

Item No. 02(b) VHF LOW BAND MOBILE TRANSRECEIVER

Tentative Qty 15 No

(Sample to be deposited in Police Central Store Jammu)

S.No	Specifications	
1	General	
	i) Frequency Range	66-88 MHz (Full Band)
	ii) No. of Channels	26 or more
	iii) Channel spacing	12.5 KHz & 25 KHz or better
	iv) Frequency stability	+2.5 PPM or better (Certificate Required)*
	v) Protocol & Technology	FM
	vi) Type of Emission (Modulation)	Analog: 11KOF3E
	vii) Type of Operation	Simplex Press to talk
	viii) Type of Antenna	1. 0dB unity gain Whip antenna with 03 meter Co-axial cable fitted with suitable Connectors with mounting bracket / Magnetic Base for vehicle use. 2. Handset mounting bracket with screws 3. Mounting bracket with screws for mobile radio.
	ix) Antenna Impedance	50Ω
	x) Power Source	12V DC
	xii) Speaker	Inbuilt
	xii) Protection	iii. Reverse polarity protection iv. Protection against high VSWR
2	Transmitter (Certificate Required)*	
	i) R.F. Power Output	25 watt (programmable/ selectable)
	ii) FM Hum/Noise	-40 dB or better
	iii) Modulation Limiting	±2.5 KHz @ 12.5KHz
	iv) Adjacent Channel Power	60dB or better
	v) Audio Distortion	Less than 3%
3	Receiver (Certificate Required)*	
	i) Sensitivity	Analog: 0.30 μV or better
	ii) Selectivity (Adjacent Channel)	60dB or better
	iii) Inter Modulation	60 dB or better
	iv) Audio Output	≥ 3 Watt or better
	vi) Rated Audio Distortion	Less than 3%
4	Environmental Specifications (Certificate Required)*	
	i) Operating Temperature	-30° C to + 60° C
	ii) Storage Temperature	-40° C to + 70° C
	iii) Humidity	Max 95% @ +40° C non condensing
	iv) Environmental Standard i.e. Low & High Temperature, Low pressure, Temperature Shock, Solar Radiation, Rain, Salt Fog, Vibration, Dust & Shock	As per MIL 810 C, D,E, F
	v) Dust & Water Intrusion	IP 54 or better (Certificate required)*

5	Accessories	
	i) Battery Cable with fuse	Should be available
	ii). Microphone hand set	Should be available
	ii) Programming Kit	05 No's Programming software and hardware kit complete with the consignment
	iii) Literature	iii) Users 'manual' with each radio sets should be provided free of costs iv) 05 No's Technical repairing & maintenance manual with complete block diagram, circuit layout ,PCB layout ,component & wiring diagram etc should be provided with the consignment in soft as well as hard copy.
6	Features & Configuration	
	i) Caller ID display	Should be available
	ii) Scan	Should be available
	iii) Transmitter Time Out Timer (TOT)	Should be available
	iv) LCD Display	Should be available
	v) Remote Radio Kill/Stun/Revive facility	Should be available
	vi) Emergency Button	Should be available
	vii) Programming	PC Programming

Note:-

* Firm must produce certificate of any Govt. Accredited Lab or National Accreditation Board for Testing and Calibration Laboratories (NABL) approved Laboratory or International Laboratory Accreditation Corporation (ILAC) approved Laboratory

4. The radio should be compatible with existing analog Radio Network of J&K Police.
5. Field Trial of the equipment will be conducted at the time of technical evaluation in presence of vendor / representative of firms to ascertain the user satisfaction with all required accessories provided by the participating firms on **"No Cost No Commitment"** basis.

Item No 03 VHF LOW BAND HAND HELD TRANSRECEIVER WITH CHARGER & SPARE BATTERY PACK.(Sample be deposited in Police central store Jammu) Tentative Qty 300 No

S.No	Specifications	
1	General	
	i) Frequency Range	66-88 MHz (Full Band)
	ii) No. of Channels	26 or more
	iii) Channel spacing	12.5 KHz or better
	iv) Frequency stability	+2.5 PPM or better (Certificate Required)*
	v) Protocol & Technology	FM
	vi) Type of Emission (Modulation)*	Analog: 11KOF3E
	vii) Type of Operation	Simplex Press to talk
	viii) Type of Antenna	Rugged flexible Helical Antenna
	x) Power Source	01 No's Battery pack Lithium-Ion, Lithium-Polymer 2000mAh or more (Battery Back- up≥8 Hrs).or above with each radio set. with belt clip (Bidder shall mention DC voltage)
	xi) Protection	v. Reverse polarity protection vi. Protection against high VSWR
2	Transmitter (Certificate Required)*	
	i) R.F. Power Output	1 to 5 watt (programmable/ selectable)
	ii) FM Hum/Noise	-40 dB or better
	iii) Modulation Limiting	±2.5 KHz @ 12.5KHz
	iv) Adjacent Channel Power	60dB or better
	v) Audio Distortion	Less than 3%
3	Receiver (Certificate Required)*	
	i) Sensitivity	Analog: 0.30 µV or better
	ii) Selectivity (Adjacent Channel)	60dB or better
	iii) Inter Modulation	60 dB or better
	iv) Audio Output	500mW or better
	vi) Rated Audio Distortion	Less than 3%
4	Environmental Specifications (Certificate Required)*	
	i) Operating Temperature	-30° C to + 60° C
	ii) Storage Temperature	-40° C to + 70° C
	iii) Humidity	Max 95% @ +40° C non condensing
	iv) Environmental Standard i.e. Low & High Temperature, Low pressure, Temperature Shock, Solar Radiation, Rain, Salt Fog, Vibration, Dust & Shock	As per MIL 810 C, D,E, F
	v) Dust & Water Intrusion	IP 57 or better
5	Accessories	
	i) Battery Charger	Single unit smart charger (capable to charge Lithium-Ion, or Lithium-Polymer batteries)

	ii) Programming Kit	05 No's Programming software and hardware kit complete with the consignment
	iii) Literature	v) Users 'manual' with each radio sets should be provided free of costs vi) 05 No's Technical repairing & maintenance manual with complete block diagram, circuit layout ,PCB layout ,component & wiring diagram etc should be provided with the consignment in soft as well as hard copy.
	iv) Battery	01 No's Spare Battery pack Lithium-Ion, Lithium-Polymer 2000mAh or more (Battery Back- up \geq 8 Hrs).or above with each radio set.
6	Features & Configuration	
	i) Caller ID display	Should be available
	ii) Scan	Should be available
	iii) Transmitter Time Out Timer (TOT)	Should be available
	iv) LCD Display	Min. 12 character alphanumeric display
	v) Remote Radio Kill/Stun/Revive facility	Should be available
	vi) Emergency Button	Should be available
	Vii) Programming	PC Programming
Note:- * Firm must produce certificate of any Govt. Accredited Lab or National Accreditation Board for Testing and Calibration Laboratories (NABL) approved Laboratory or International Laboratory Accreditation Corporation (ILAC) approved Laboratory		
6. The radio should be compatible with existing analog Radio Network of J&K Police. 7. Field Trial of the equipment will be conducted at the time of technical evaluation in presence of vendor / representative of firms to ascertain the user satisfaction with all required accessories provided by the participating firms on "No Cost No Commitment" basis.		

Item No 04 Technical Specifications of Packet Radio system complete with all required accessories. **Tentative Qty. 20 No**

General:-

A. COMPUTER: (Branded system Latest configuration preferred).

Processor :	i5 or above
RAM:	4GB DDR,
HDD:	1TB,
Monitor:	21" inch TFT,
Modem :	Inbuilt internal PSTN
LAN port:	100/1000 Mbps
Operating System:	Windows 8 /10 (Licensed)

With DVD +/-RW Multimedia Keyboard, Optical Mouse, External speakers, Mother board drivers and Antivirus software etc.

B:- MODEMS

1. Radio Modem speed up to 9.6 KBPS or above on VHF.
2. Both the Radio/PSTN modems must be capable to transmit/receive data in encryption mode through communication software provided.
3. The Offered Radio modem should be able to work on both analog and Digital Radio sets.
4. Operational /Technical manuals.

C:-Communication Software:-

1. Software with protocols PSTN, POLNET and DMR should be available .The software should be able to receive/transmit messages with built-in encryption. The offered system software should be fully compatible with existing VSAT, MCS software, DATA Byte Com, IDT & PSTN used by J&K Police.
2. Automatic message switching software with different types of protocols including Polnet /Packet Radio/PSTN / and RS232.
3. Configurable Message Scheduling/Message Priorities.
4. Message storage Facility- Unlimited with Archive facility.
5. Log facilities (Tx, Rx, Failed/Print Messages) with date/time & acknowledgement.
6. Tool bar Icons for SEND,PRINT,CONNECT,DISCONNECT, LOG, ADDRESS DIRECTORY , EDITOR FOR Messaging , INBOX, OUTBOX, SENT MSG, Receive MSG and other features relating data communication.
7. On Screen connection status viz IDLE,BUSY, Connecting Receiving and sending. User & admin password protected.
8. Message arrival indicator.
9. Automatic re-routing of messages received from remote station, log file generation.
10. Message transmits acknowledgement/failure indication.
11. Required protocols for email applications.

D. Dot Matrix Printer 9 PIN 80 Column. (Reputed Brand)

E. UPS Line interactive 2KVA (Reputed Make) with minimum 2 hours Battery backup with input from 140 volts to 260 volts AC, output 230 volts AC (50 Hz) & having protection against Low voltage/over voltage, output Short Circuit, inverter shutdown. It should indicate Mains On/Mains Normal /Load on battery etc.

Item No 05 Digital Exchange 128 lines compatible (ISDN) Tentative Qty 04 NO

Technical specification

1. Total No. of lines 120
2. Trunk lines 08
3. G S M 04 Ports (SIM Based)
4. Expandable upto 256 ports
5. Fully digital using pulse code modulation and time division multiplexing technique.
6. The Xge should be 100% Non-blocking /redundant/ true Hot standby for critical cards including power supply card.
7. The CPU of EPABX should use 32 bit or advanced microprocessor based with system memory to ensure faster processing speed and large storage of data.
8. The Xge must possess slots for IP & PRI
9. The system should provide:- Feature transparency in networked environment .i.e. Closed Numbering Scheme, CLIP, Call Back, Call Forwarding, Call Follow me, Call Pick Up, Call Transfer, One Touch Calling, Conference Facility, Camp on (Busy and Ringing), Time Display, dial Monitoring, Call Waiting, DND , predefined Music on hold for calls as per user's choice.
10. The system software should be protected against loss/ alteration of memory due to Power Failure, Unauthorized Command or any other condition.
11. Housing:- Supporting Cabinet
12. MDF :- supports 128 ports with three layer IPMs.
13. Operator Consoles:- 02 Digital Operator Consoles working at a time having the following features:-
Display of Busy Extensions on dialing, Status of all Busy/ Free junction Lines, Over Ride at Busy Extensions, Called No. display, Call. Queuing, Call Parking, Call Processing Indication, Call Rejection and Blocking and un blocking facilities.
14. Extension Loop Resistance = minimum 1200 Ω , Junction Loop Resistance = 1800 Ω
15. The Company must provide onsite training to the operators/ Technical Staff regarding handling, operation and software programming.
16. The supplier company would have to install / commission the exchange at the locations earmarked by the department.
17. Xge must possess music port and compatible card for programming external music tone as per user's choice.
18. The Xge. Must have facility to integrate with the existing working Exchange's of J&K police for access of extension numbers to and fro.
19. The power supply system of the Xge must provide backup of proper rating for at least two hours in Shape of FCBC or UPS of proper rating to run the Xge during mains failure .
20. Comprehensive onsite warranty for a period of at least 2 years for complete system including power backup .The warranty period shall begin from the date of its successful installation /commission at each earmarked site.
21. User and technical Manual for each exchange.

ITEM No. 06 Telescopic Mast**Tentative Qty 20 No****(Sample to be deposited in Police Central Store Jammu)****Technical specification**

Length of the Mast:- At least 30 feet adjustable comprising of 5 sections of 6 feet each.

2. Diameter of base tube 03 inches or more.
3. Diameter of the remaining 04 sections should be adjustable successively with the base tube.
4. Base tube should have 03 legs adjusted at 120 degrees angle for proper erection on ground.
5. All the tubes and legs of the mast should be properly galvanized for protection against rust and it should be made of heavy duty light weight material to with stand high velocity winds and weather conditions.

Complete installation kit / erection material should be comprising of:-

- i. Steel Guy wires (06 numbers of suitable length) with Guy locks.
- ii. Base Plate.
- iii. Hammer ½ kg.
- iv. Steel Pegs
- v. Nails for Base Plate and legs.
- vi. Hooks fixed at appropriate points.
- vii. Mounting Clamp for fixing aerial.
- viii. Required Nuts and bolts.

Test report: Test report from any NABL Laboratory must be enclosed for Hot dip galvanizing as per IS-4759 and structured **steel** used in the fabrication of telescopic mast.

Certificate: An ISO 9001 certification for manufacturer of Antenna Masts.

Item No. 07 Mains Battery Charger 12 Volt 10 Ampere. Tentative Qty 30 No**(Sample to be deposited in Police Central Store Jammu)****Technical Specifications**

1. Input Voltage: 90 Volt to 240 Volt AC 50 Hz
2. Output Voltage: 12Volt -16 Volt DC **Selectable through front Panel Rotor switch**
3. Charging Current: 0-10 Ampere with current limiting resistance

Front Panel Fitted with:-

- 0 to 20 Volt DC Meter
- 0 to 15 Amp DC Ampere Meter
- ON/OFF Toggle Switch
- LED's (Line Voltage and Reverse polarity indicators)
- Voltage/Current Control Switch with Knob indicating steps
- DC Output terminals indicating Red for Positive and Black for negative fitted with battery terminals.

Protection:-

- Short circuit Protection
- Reverse Polarity Protection.
- Automatic circuit breaker switches for Output voltages and Glass fuse for input.
- Bridge Rectifier must be mounted on Heat sink for Maximum heat dissipation.
- Mains Lead Three Core 1.5 Meters lengths with top.

Warranty:- At least 01 Year

Note:- There should be registered and authorized service Centre of the offered item in J&K.

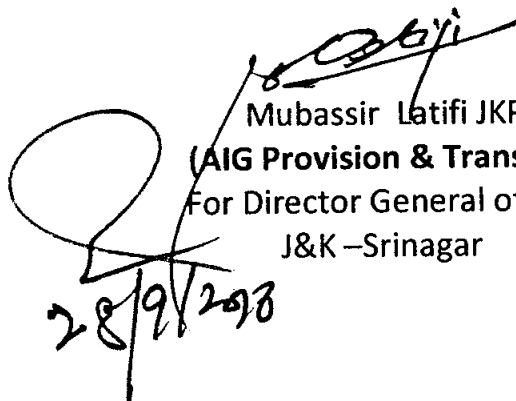
Item No. 08 Solar Battery Charger 12 volts 10 Amps Tentative Qty 20 No
(Sample to be deposited in Police central Store Jammu)

Technical Specifications

Type of Product	Superior Polycrystalline Solar Panel
Rated Power Range	200-240 W
Capacity	200 W
Voltage at P max (V)	17.3V
Module Voltage	12 V
Rated voltage	12V 10 Amp panel Capacity
Battery Type	7Ah to 150Ah
Charge Controller type	Solar panel voltage control low 10.8 & high battery charge 14.8 cut Of system battery charge
Load Type	DC
Application	Solar System Controller for SMF Batteries
Body Material	Metal body
Energy Generation	Excellent in Weak Lights, Stable Performance
Waterproof	IP67 or better
Current Range (Ampere)	12 volt 7Ah to 150Ah
Cell Efficiency	0.176 or better
Current at Maximum Power, Imp (A)	11.2 A
Array Junction Box	Complete with 20m / 2Core * 4 Sq mm Cables, Thimbles, lugs etc
Features	IEC & MNRE Approved, Glass Type- 4 mm or better
Short Circuit Current	12.28 A
Open Circuit Voltage	21.6 V or Better
Module Mounting Structure.	Complete with the system
Certificates: -	IEC & MNRE Certificate, ISO 9001 Quality Management System Certificate.
Comprehensive Warranty-	03 years on Charge controller and 5 years of Solar Module. These items would be having warranty beyond tender warranty clause.
Note: - The system must be complete with all the required accessories as per standard.	

Item No. 09 Emergency light with Solar Panel Tentative Qty 20 No
(Sample needs to be deposited in Police Central Store Jammu)
Technical Specifications

Make: Made in INDIA, Reputed Brand
Build from: Superior plastic body with 360 degree light output
Number of LED: 40 or more
Backup: Discharge duration with intermittent use, more than 11 hours on low use,
more than 9 hours on medium and more than 7 hours on high use.
High quality panel: Compatible solar panel to gain charge in cloudy weather
Recharge Time: more than 10 hours
Charging: Solar and mains.
Battery in built: 3.6/06/12 volts with 2200mA or more Li-ion battery / 4.5ah / 7ah or more sealed
lead acid battery
Protection: Built-in overcharge and undercharge protection
Indicators: Charging and discharging indicator
Comprehensive Warranty: 01 year
Note: - The Emergency light with Solar Panel must be complete with all the required accessories


Mubassir Latifi JKPS
(AIG Provision & Transport)
For Director General of Police,
J&K –Srinagar
28/9/2018