

OFFICE OF THE
DIRECTOR GENERAL OF POLICE
HIMACHAL PRADESH POLICE HEADQUARTERS
SHIMLA-171002

No. PL-I-(Purchase-CDPC)-2016-17

Dated 15th February, 2018.

"ADDENDUM"

A) The item Helmet with Visor (at Sr No.-9) advertised in the Tender document issued vide No. PL-1 (Purchase-CDPC)-2016-17 dated 27-1-2018 stands withdrawn/deleted from this tender.

B) The condition mentioned at Page -5 Sr. No (xiii) and at page-7 Sr No.-23 of the tender for Digital VHF Sets issued vide Tender Enquiry No. PL-1(Purchase - CDPC)-2016-17 dated 27-1-2018 stands deleted/withdrawn.


For Director General of Police,
Himachal Pradesh, Shimla-02


ADVERTISED TENDER NOTICE

**OFFICE OF THE
DIRECTOR GENERAL OF POLICE,
HIMACHAL PRADESH, SHIMLA-171002
TELE NO. 0177- 2621714, 2621796, FAX-0177-2626945
(E-mail: police-statecr-hp@nic.in)**

Tender Enquiry No.PL-1(Purchase- CDPC)-2016-17

Dated: Jan, 2018

The chairman of the Departmental Purchase committee of Himachal Pradesh Police invites sealed tenders under Two Bid Systems i.e. Technical Bid & Financial Bid for the supply of 20 Watt VHF Mobile/Base and 5 watt VHF hand held transceiver sets as per the details given in the tender documents.

Earnest Money : Rs. 2.50 Lakh

Tender Cost : Rs. 500/-

CRITICAL DATES

Date of Issue	27-01-2018
Bid submission start date	27-01-2018
Bid Submission end date	20-02-2018 upto 02.00 PM
Bid opening date	20-02-2018 at 03.00 PM

NOTE:-

1. The complete Tender Set can be downloaded from Himachal Pradesh Police website www.hppolice.gov.in. Any Change/modification in the tender enquiry will be intimated through above website only. Bidders are, therefore, requested to visit our websites regularly to keep themselves updated.
2. The bidders must place Tender Fee and Earnest Money Deposit (EMD) in the shape of Bank Draft/FDR duly pledged in name of the Drawing & Disbursing Officer , PHQ, Shimla-02, HP in two separate envelopes super scribed with separate titles. Thereafter both the envelopes should be placed in technical bid envelop.
3. The bidders must place their Technical bid and financial bid in two separate envelopes super scribed with separate bid titles. Thereafter both the bids should be placed in single sealed cover super scribing the wording "Technical bid and "financial Bid" . and "TENDERS WITH REF TO TENDER ENQUIRY No. PL-1(Purchase- CDPC)-2016-17 Dated: 27 Jan, 2018
4. The tender document envelopes will be dropped in the tender box installed in the office of the Director General of Police, Himachal Pradesh, (PHQ) Shimla-171002 on or before the specified bid submission end date & time. Late/Delayed tender would result in rejection of bid during bid opening.

5. The bidders are required to send at least 1 no. of 5 watt VHF hand held set and one no. of 20 watt VHF set alongwith their accessories as a tender sample of their quoted models on or before the specified bid submission end date & time for field trial, technical evaluation and assessing the technical suitability / on “No Cost No Commitment” basis to ascertain the users satisfaction. The offer of those bidders will be rejected who fail to produce tender sample.
6. All other terms and conditions are specified in the tender documents.

For Director General of Police,
Himachal Pradesh Police, Shimla-2

**OFFICE OF THE
DIRECTOR GENERAL OF POLICE,
HIMACHAL PRADESH, SHIMLA-171002
TELE NO. 0177- 2621714, 2621796, FAX-0177-2626945
(E-mail: police-statecr-hp@nic.in)**

Tender Enquiry No.PL-(Purchase-CDPC)-2016-17-II

Dated: /01 /2018

COST OF TENDER SET: Rs. 500/- (Rupees Five Hundred) only

Validity Period: - The Tender shall remain open for acceptance till 180 days from the date of opening of Tender and extendable for further period, if required.

Description of Store.	Quantity	Technical Specification	EMD(Earnest Money Deposit)
DIGITAL 20 WATT SET (MOBILE/STATIC)			
Digital TDMA (2 slots) based Fixed / Mobile VHF radio , operating in 136-174 MHz frequency Band 20 Watt with minimum 255 channels etc. The price of microphone, battery cable & mounting fixtures , Literature to be included in the base price of radio) as per detailed specifications in Annexure - .B	20	As per Detailed technical specifications at Annexure “B”	Rs. 2,50,000/- (Rupees two lakh fifty thousand only) in the shape of Bank Draft/FDR duly pledged in the name of the Drawing & Disbursing Officer , PHQ, Shimla-02.
Accessories to be quoted separately			
0 dB gain whip antenna with 3 mtr Co-axial Cable with connector, magnetic base /mounting bracket for vehicle use.	10		
Programming Kit (all necessary programming software & hardware required for programming for the set)	01		
0 dB Ground Plane VHF Antenna with UHF female connector	10		
30 mtr.RF Cable RG-217 for base station with connectors	10		
12 V DC Power Supply Unit 10 Amp with battery revert	10		
12V 65AHC Secondary Battery with clip	10		
DIGITAL 05 WATT HAND HELD SET			
Digital TDMA (2 Slots) based Digital Transreceiver based on ETSI standards, VHF Hand Held Radio operating in 136-174 MHz frequency Band, Internal VOX, DTMF Keypad, meeting IP-57 standards for ruggedisation, Colored Alpha Numeric Display with Signal Strength & Battery Indicator, minimum 255	110	As per Detailed technical specifications at Annexure “C”	

channels Programmable, 12.5 KHz channel spacing, Heliflex Antenna, Ni-Mh or Lithium-ion or Li-polymer battery 2000 mAH capacity or more with Battery Charger, Inbuilt GPS, , User Manual as per detailed specifications in Annexure---C .			
Accessories to be quoted separately			
Spare 2000 mAH capacity or above Ni-Mh or Lithium-ion or Li-polymer battery	110		
Earphone/Blue tooth/VOX handas free kit	110		
Software Programming Kit	01		
Literature: Technical repairing manual with complete block diagram, circuit layout etc.	2		

NOTICE TO THE TENDERING FIRMS.

1. All tender documents attached with this invitation to tender including specification are **sacrosanct** for considering any offer as complete offer. It is, therefore, important that all tender documents duly completed and signed on each page should be returned with your offer.
2. The Tenderer should submit the tenders in Two-Bid systems (Technical Bid & Financial Bid) along with detailed specification of the equipment offered supported by leaflets/brochures, if any.
3. Bidders must be a established player in the field of Digital VHF transceiver sets of offered technology and have a good track record/experience for at least five years. (Copy of supply orders received from Govt./Semi Govt. offices, Military Forces and/or experience certificate be enclosed)
4. The tenderer should submit Lab Test Report on the parameters mentioned in the technical specification (Annexure "B" and Annexure "C") **for the offered model only** from the ILAC (International Laboratory Accreditation Cooperation)/ NABL (National Accreditation Board for Testing and Calibration Laboratory)/ Govt. of India approved Test Laboratory.
5. **FIRST COVER (Technical Bid Envelope): The following documents should be submitted by the bidder in the first cover strictly as per format mentioned in the table herein:**

Sr.No.	Description of Document	Page No. of your bid.	Compliance
i.	Tender documents duly sealed and signed but without indicating the rates.		
ii.	Envelope containing Tender Fee (Rs. 500/-) super scribed with title "Tender Fee".		

iii.	Envelope containing Earnest Money Deposit (EMD) (2.5 Lakh) super scribed with title. (E.M.D.)		
iv.	Copy of registration certificate with store purchase orgn. of HP/ DGS&D/ NSIC, if any.		
v.	Copy of "Certificate of Incorporation"		
vi.	Original technical literature or brochure of the offered Make & Model.		
vii.	Copies of supply orders received by the firm from CAPF/Police organization/ PSU/Govt./Semi Govt. organization for the quoted model if any.		
viii.	Copy of Lab Test Report for offered model only from the ILAC (<u>International Laboratory Accreditation Cooperation</u>)/ NABL (National Accreditation Board for Testing and Calibration Laboratory)/ Govt. of India approved Test Laboratory.		
ix.	Copy of clause by clause compliance statement of specifications as per performa mentioned at Sr. No. 6 hereunder duly signed.		
x.	Copy of FOR, terms, delivery period quoted.		
xi.	Copy of undertaking given by OEM that they will give details of Interface for developing encryption in India whenever required by HP Police as per Sr. No. 22 hereunder.		
xii.	Copy of Non disclosure Agreement (NDA) issued by the developing agency to OEM" as mentioned at S.No. 22 hereunder		
xiii.	Copy of firm enlistment with the Department of Expenditure (Sr.No. 23 reg. foreign manufacturers)		
xiv.	Certification of Authorized Dealer issued by OEM Sr.No. 24 hereunder		
xv.	OEM Certificate regarding customer service center registered in India Sr.No. 25 hereunder.		
xvi.	Copy of certificate from the OEM that the measurement of the equipment is made in accordance with EIA/ TIA / ETSI/FCC S.N.27 hereunder.		
xvii.	Copy of valid DOT/WPC license for supplying radio equipment in India Sr.NO. 28 hereunder.		
xviii.	Copy of sales tax clearance certificate.		
xix.	Bidder company's Balance sheet and Annual turnover {more than Rs. 10 (ten) crores} each year for the 3 preceding year duly counter signed by CA.		
xx	Copy of Annexure A to H (except-G) duly completed.		

SECOND COVER (Financial Bid Envelope) should contain:

- (i) Price bid /financial bid to be submitted as per Annexure- **G**.
- (ii) Tenderer will attach copies of Govt. Notification in support of all applicable taxes/duties in the offer in PDF format.

6. The attention of Tenderer is invited to furnish clause by clause compliance of specifications, bring out clearly deviation from specification if any, the firms are advised to submit the compliance statement in the following format along with technical bid failing which their offer will be treated as incomplete and liable to be ignored. The compliance statement should be given in separate sheet.

Tender enquiry specification as per Annexure-“B & C”.	Specification of Equipment Offered	Compliance to T/E Specification, whether Yes or No.	In case non compliance deviation to be indicated on unambiguous term

7. Incomplete offer or offers not confirming fully to the Technical Essential requirement or with vague replies or without Earnest Money will not be considered.

8. The Chairman of the Departmental Purchase Committee of Himachal Pradesh Police reserves the right to Cancel/ Reject any or all the tenders without assigning any reason.

9. The Chairman reserves the right to increase or decrease the quantity as per availability of funds.

10. Purchaser : Himachal Pradesh Police

11. Stores required at : Office of the Superintendent of Police,
Commn. & Tech. Services, HP, Shimla-171002

12. Tenderers are required to quote rates FOR at consignee's locations only.

13. Stores are required to be dispatched by firm by road transport under their own arrangement to the consignee location within 60 days from date of placing supply order.

14. The store should be packed in such a way that it is not damaged during transportation.

15. Bidders offering import store shall make their own arrangement to deliver the goods at consignee's location and should quote accordingly.

16. Firms/ Tenderers should mention price of each item separately.

17. The full name and status of the person signing the tender documents must be clearly mentioned in their tender documents.

18. **EARNEST MONEY:** - All the firms who are not registered with Store Purchase organization of HP/DGS&D/ NSIC for the subject stores as per specification shall be required to deposit fixed amount of Earnest Money. Offers received without Earnest Money other than the amount specified will be liable to be summarily ignored. Registration with any other organization or to any other specification will not be exempted from depositing Earnest Money.

Public Sector Undertakings / State Govt. undertakings or Central / State owned companies are not exempted from the payment of Earnest Money unless registered with DGS&D / NSIC.

19. SECURITY DEPOSIT:- The successful firm shall have to deposit 10% of the contract value on account of performance security deposit in the shape of Bank Draft or Bank Guarantee or Fixed Deposit Receipts duly pledged in name of the Drawing & Disbursing Officer, PHQ, Shimla-02, Himachal Pradesh within 30 days of from the date of receipt of technically cleared supply order. Failure at the part of the firm to deposit the Security Deposit within stipulated time will make the supply order null and void.

20. The Performance Security Deposit submitted by the supplier will remain valid for a period of 60 days beyond guarantee/warranty period.

21. Liquidated damages: In case the firm does not complete the supply within the delivery period then liquidated damages charges will be imposed @ 0.5% per week i.e. 2% per month subject to 10% maximum on total value of the items.

22. The radio set should have provision of standard slot facility for installation of "encryption device". The OEM of the Radio should give an undertaking that they will give details of Interface for developing encryption in India whenever required by HP Police. The developing agency will give NDA (Non disclosure Agreement) to OEM". Copies of the same shall be enclosed with tender.

23. As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, Govt. of India, it is compulsory for Indian agents who desire to quote directly on behalf of their foreign manufacturers/ principals, to get themselves enlisted with the Department of Expenditure, through the Central Purchase Organization (e.g. DGS&D).

24. If bidder is not an OEM then bidder should be authorized by OEM for the offered equipments and bidder should provide authorization certificate from OEM.

25. Bidder to give details of the OEM customer service center registered in India with service tax number to ensure prompt after sales service/support for warranty and post warranty services. (OEM certificate to be attached).

26. Supplier should provide after sales support, supply of spares for at least 7 years after warranty period and spare parts availability.

27. Supplier should provide a certificate from the OEM that the measurement of the equipment is made in accordance with EIA/ TIA / ETSI/FCC.

28. The firm should enclose valid DOT/WPC license for supplying radio equipment in India.

29. TERMS OF PAYMENT: 100% payment of the stores will be made on bill basis after receipt of the items in good condition by the consignee after successful inspection/survey/checking and acceptance.

30. In case offers are received both from manufacturer as well as from their agent, offers from manufacturers only shall be considered and offer from their agent shall be summarily rejected.

31. EVALUATION OF THE PROPOSAL: A two stage procedure will normally be adopted.

a) Stage-I: Technical Evaluation-

Technical bids to assess their suitability against the laid down Technical Specifications/QRs./Make/Model will be evaluated. Tenderers must ensure that they enclosed all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment being offered against the QRs/Specifications.

All the parameters as per technical specification (**Given in Annexure-B&C**) will be checked by a departmental technical committee. Field trial of the offered equipment will be conducted by a Departmental Technical Committee in the operational area of Himachal Pradesh Police in the presence of the vendor/representative of firms to ascertain the user satisfaction. The vendor should carry Digital Radio Communication Tests sets required for testing of parameters of Digital Radios as per tech. specifications during field trials on site in CTS Workshop, Shimla HP. All the technical features will be shown during the trials.

b) Stage- II: Financial Evaluation-

The price bids of only those stores found acceptable in technical evaluation shall be opened, evaluated and considered further. It is in the tenderers interest to include all relevant and detailed technical data with their bid.

32. Condition of the Contract: - The contract agreement will be made with successful Tenderer as per **annexure-H**.

33. Period for which offers will remain open: - Tendering firms should note the period for which their offers should remain open for acceptance. Offers from those firms who have not kept the validity open till the period stipulated in the tender enquiry, will be treated unresponsive and will be ignored without making any back reference. Tendering firms may further note that in the absence of any indication of the date up to which the offer has been kept valid, it will be assumed that their offer will remain open for acceptance for the period specified in the tender Enquiry.

34. Extension of Validity & Earnest Money :- If the validity of the tender is extended, the validity of the Earnest Money in whatever form submitted will also have to be suitably extended by the Tenderer failing which their tender shall not be considered by the purchaser after the expiry of the aforesaid period.

35. REFUND OF EXCESS PAYMENT: Supplier has to refund the excess payment if any made for Sale Tax, Excise Duty and Custom Duty etc.

36. EARNEST MONEY DEPOSITED & PERFORMANCE SECURITY MONEY WILL BE FORFEITED in case suppliers breach the contract in any sphere.

37. The DGP or the Chairman of the Departmental Purchase Committee of Himachal Pradesh Police reserves the right to Cancel/ Reject any or all the tenders without assigning any reason.

For Director General of Police,
Himachal Pradesh Police, Shimla-2

IMPORTANT INSTRUCTIONS

1. Guarantee / Warranty:

(i) Except as otherwise provided in the invitation to the tender, the contractor hereby declares that the goods/stores/articles sold/supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification/Brand and particulars contained/mentioned in the contract. The contractor hereby guarantees that the said stores/goods/articles would continue to confirm to the description and quality aforesaid for a period of **02 years and 12 months for accessories and rechargeable batteries** from the date of acceptance of the equipment at purchaser end, if during the **aforesaid period** the said stores/articles/goods be discovered not to conform to the description and quality aforesaid or not giving the satisfactory performance or have deteriorated and the decision of the purchaser in that behalf shall be final and binding on the contractor and the purchaser shall be entitled to call upon the contractor to rectify the goods/stores/articles or such portion thereof as is found to be defective by the purchaser within a reasonable period of such specified period as may be allowed by the purchaser in his discretion on an application made thereof by the contractor and in such a event, the above mentioned warranty period shall apply to the goods/articles/stores rectified from the date of rectification thereof. In case of failure of the contractor to rectify or replace the goods etc. within specified time, the purchaser shall be entitled to recover the cost with all expenses from the contractor for such defective stores.

(ii) Guarantee that they will supply spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but within any limitation on agreed discount on the published catalogue or on agreed percentage of profit on the landed cost.

(iii) Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment, so that the latter may undertake the balance of the lifetime requirement.

(iv) Warranty to the effect that they will make available the blue prints of drawing of the spares if and when required in connection with the main equipment.

(v) Purchaser will not pay separately for transit insurance and the supplier will be responsible till the entire stores contracted for, arrive in good condition at the destination. The consignee as soon as possible as but not later than 30 days of the date of arrival of the stores at destination notify to the contractor any loss or damages to the stores that may have occurred during the transit.

2. Prices in price bid should be quoted both in words as well as in figures.

3. Sale tax and any other taxes be indicated separately otherwise rates will be deemed to be inclusive of such levies/taxes and no future increase in duty/taxes will be allowed.

4. Under taking of rates as per **Annexure-F** indicating that it has not supplied the quoted model of the product at a lesser price in any Govt. organization in India. In the event of higher rates offered by such tenderers, the rates so, offered by such party can be rejected at any stage & recoveries affected.

5. The tendering firm will itself be responsible to pay custom duty on imported items.
6. If supplier is found involved in a case of misconduct and proposed for blacklisting by any CPOs/CPMFs/other departments, his contract will be summarily rejected at any stage without assigning any reason and explanation.
7. **TRAINING:** Firm should impart training to indenter technical personnel in maintenance and repairing of the set at the supplier service center/ factory where required and also impart training on operation to the operating staff at consignee location free of cost after procurement.
8. The Bidder company should be profit making with sound financial status and should have an Annual turnover of more than Rs. 10 (ten) crores.

For Director General of Police,
Himachal Pradesh Police, Shimla-2

ANNEXURE -A

To

The Inspector General of Police
AP&T –cum Chairman
Departmental Purchase Committee,
H.P Police Headquarters, Shimla-171002.

Dear Sir,

We hereby offer to supply the stores detailed in the tender documents hereto or such portion thereof as you may specify in the acceptance of Tender at the price given in the said schedule and agree to hold this offer open till _____ (as desired by HP Police) We shall be bound by a communication of acceptance within the prescribed time.

2. We have understood the general terms & conditions/instructions of Tender documents and have thoroughly examined the specification drawing and / or pattern quoted in the tender document hereto and am /are fully aware of the nature of the stores required and my / our offer is to supply stores strictly in accordance with the requirements.

Yours Faithfully

(Signature of Tenderer with seal)

Address: _____

Dated : _____

Signature of witness _____

Address: _____

Dated _____

ANNEXURE-B**TECHNICAL SPECIFICATIONS OF DIGITAL VHF MOBILE/ BASE TRANSRECEIVER
(HIGH BAND)****(With its compliance statement to be given by the Tenderer)**

S. No.	Parameters	Specification	Compliance Yes or No	Remarks , if any
1	General			
1.1	Frequency Range	136-174 MHz (Full Band)		
1.2	TDMA	Two slot		
1.3	Channel Capacity	255 or more		
1.4	Channel Spacing	12.5 KHz		
1.5	Operating Voltage	10.8V to 15.6 VDC		
1.6	Protection	a) Reverse polarity protection b) Protection against high VSWR		
1.7	Frequency Stability	± 1.5 PPM or better		
1.8	Antenna Impedance	50 Ω		
1.9	Weight	Less than 2Kg.		
1.10	EMI/EMC	ETSI EN 301 489-1 & ETSI 301 489-5/		
1.11	Air Interface Standards	Shall be open Standards DMR Tier-II		
1.12	Interoperability with minimum two vendors	IOP Certification from Technical working Group (TWG)		
2	Transmitter			
2.1	R.F Power output	5 to 25 Watts (Programmable)		
2.2	FM Emission	11K0F3E, 7K60FXE, 7K60FXD, 7K60FXW		
2.3	Digital Modulation	4 FSK		
2.4	Modulation Limiting	± 2.5 KHz@ 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,-3dB		
2.8	Audio Distortion	Less than 3%		
2.9	Digital Vocoder	AMBE+2		
2.10	Communication Security	System should have in built encryption and should also have provision to support 3rd Party Encryption.		
3.	Receiver			
3.1	Sensitivity (Analog)	0.30 μ V (12 dB SINAD) or better		
3.2	Sensitivity (Digital)	0.30 μ V at 5% BER or better		

3.3	Adjacent Channel Selectivity	60dB or better		
3.4	Inter Modulation	70dB or better		
3.5	Audio Output	Minimum 3 W		
3.6	Audio Distortion	Less than 3%		
4	<u>ENVIRONMENTAL</u>			
4.1	Operating Temperature	-30°C to + 55 °C		
4.2	Storage Temperature	-40°C to + 70 °C		
4.3	Humidity	95% Max. @ +40°C non-condensing		
4.4	Vibration	MIL-STD- 810 F/G		
4.5	Shock & Drop	MIL-STD- 810 F/G		
4.6	Water Intrusion & Dust	MIL-STD- 810 F/G or IP-54		
4.7	Salt	MIL-STD- 810 F/G		
4.8	Rain	MIL-STD- 810 F/G		
4.9	Low Pressure	MIL-STD- 810 F/G		
5.	Accessories (To be added in price of Radio)			
5.1	Microphone	DTMF Microphone.		
5.2	Battery cable & Mounting fixtures	Should be supplied.		
5.3	Literature	Users manual with each radio sets should be provided free of cost in soft as well as hard copy.		
Accessories (To be quoted separately)				
5.4	Antenna	i) 0dB gain whip antenna with 3 meters. Co-axial cable with connector, magnetic base/ mounting bracket for vehicle use. ii) 0db gain GP antenna. iii) 30 meter RF Cable RG217 for base station.		
5.5	Programming kit	All necessary programming software and hardware required for programming for the set independently for lifelong support with regular updates.		
5.6	Literature	Technical repairing/service manual with complete block diagram, circuit layout, PCB layout, component and wiring diagram etc. in soft as well as		

		hard copy		
6.	Configuration			
6.1	Simple press to talk			
6.2	Continuous Tone Coded Squelch System			
6.3	Mixed Mode operation (Analog and Digital)			
6.4	DTMF signaling			
6.5	Busy channel lock out			
6.6	Selective call Decode/Encode.			
6.7	PTT ID Encode.			
6.8	Channel scanning with call quieting facility.			
6.9	Emergency SOS/SIREN.			
6.10	Talk around mode.			
6.11	Automatic Number Identification (ANI).			
6.12	Text messages and pre-defined message.			
6.13	Should have built -in-GPS feature with following specifications :- i. Time to First Fix (TTFF) cold start:<2 minutes ii. Time to First Fix (TTFF) hot start : <20seconds Horizontally accuracy: < 10 meters			

ANNEXURE-C**TECHNICAL SPECIFICATIONS OF DIGITAL VHF HAND HELD TRANS-RECEIVER SET
(HIGH BAND)****(With its compliance statement to be given by the Tenderer)**

Sl No.	Parameters	Specification	Compliance Yes or No	Remarks, if any
1	General			
1.1	Frequency Range	136-174 MHz (Full Band)		
1.2	TDMA	Two slot		
1.3	Channel Capacity	255 or more		
1.4	Channel Spacing	12.5 KHz		
1.5	Battery Capacity	Li-ion/Li-Poly 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	50 Ω		
1.9	Antenna	Helical		
1.10	Weight	Less than 500 gms with battery		
1.11	EMI/EMC	ETSI EN 301 489-1 & ETSI 301 489-5/		
1.12	Air Interface Standards	Shall be open Standards DMR Tier-II		
2	Transmitter			
2.1	R.F Power output	1 to 5 Watts (Programmable)		
2.2	FM Emission	11K0F3E, 7K60FXE,7K60FXD,7K60FXW		
2.3	Digital Modulation	4 FSK		
2.4	Modulation Limiting	± 2.5 KHz@ 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,-3dB		
2.8	Audio Distortion	Less than 3%		
2.9	Digital Vocoder	AMBE+2		
2.10	Communication Security	System should have in built encryption and should also have provision to support rd Party Encryption.		
3.	Receiver			
3.1	Sensitivity (Analog)	0.30 μ V (12 dB SINAD) or better		
3.2	Sensitivity (Digital)	0.30 μ V at 5% BER or better		
3.3	Adjacent Channel Selectivity	60dB or better		

3.4	Inter Modulation	70dB or better		
3.5	Audio Output	Minimum 500 mW		
3.6	Audio Distortion	Less than 3%		
4 ENVIRONMENTAL				
4.1	Operating Temperature	-30°C to + 55 °C		
4.2	Storage Temperature	-40°C to + 70 °C		
4.3	Humidity	95% Max. @ +40°C non- condensing		
4.4	Vibration	MIL-STD- 810 F/G		
4.5	Shock & Drop	MIL-STD- 810 F/G		
4.6	Water Intrusion & Dust	MIL-STD- 810 F/G or IP-67		
4.7	Salt	MIL-STD- 810 F/G		
4.8	Rain	MIL-STD- 810 F/G		
4.9	Low Pressure	MIL-STD- 810 F/G		
5. Accessories (to be added in price of Radio)				
5.1	Battery Charger			
5.1.1	Input Voltage	230V $\pm$ 10%,50 Hz.		
5.1.2	Output 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 hours. Rapid Chargers- 1 to 3 hours.		
5.1.7	No. of charging pocket	1/2/6 (Vendor to quote accordingly)		
5.2	Battery	One Lithium-Ion or Li-Polymer rechargeable battery of capacity 2000 mAH or higher with battery clip with each Radio Set.		
5.3	Literature	Users manual with each radio set should be provided free of cost in soft as well as hard copy.		
Accessories (to be quoted separately)				
5.3	Hand free Kit (VOX unit with PTT)	The offered sets should be compatible with any one or more of the following variants:- i. Bone conduction. ii. Ear plug.		

		iii. Head Phone, etc.		
5.4	Programming kit	All necessary programming software and hardware required for programming for the set independently for lifelong support with regular updates.		
5.5	Literature	Technical repairing/service manual with complete block diagram, circuit layout, PCB layout, component and wiring diagram etc. should be provided as per users requirements in soft as well as hard copy.		
5.6	Battery	Lithium-Ion or Li-Polymer rechargeable battery of capacity 2000 mAH or higher with battery clip		
5.7	Case	One good quality case with belt clip & shoulder strap to house the Radio sets in operation.		
6.	Configuration			
6.1	Simple press to talk			
6.2	Low Battery alert			
6.3	Continuous Tone Coded Squelch System			
6.4	Mixed Mode operation (Analog and Digital)			
6.5	Any one of 2-Tone/5-Tone/DTMF signaling			
6.6	Busy channel lock out			
6.7	Selective call Decode/Encode.			
6.8	Capable of VOX Hand free operation			
6.9	PTT ID Encode.			
6.10	Channel scanning with call quieting facility.			
6.11	Emergency SOS/SIREN			
6.12	Talk around mode			
6.13	Automatic Number Identification (ANI)			
6.14	Text message and pre-defined message			
6.15	Should have built-in-GPS feature with following specifications :- i. Time to First Fix (TTFF) cold start:<2 minutes ii. Time to First Fix (TTFF) hot start : <20seconds Horizontally accuracy: < 10 meters			

ANNEXURE - D

:: DECLARATION::

I, (Name of MD/Proprietor of firm)----- son of -----, of (Name of firm and address)-----
----- have read all the Terms and Conditions of the tender given above. These are acceptable to me.

I, (Name of MD/Proprietor of firm)----- son of -----, of (Name of firm and address)-----

----- certify that we are registered and experienced firm for this work and truly trading since year_____. We also certified that we have not been black listed by any state or central Govt. / University / Bank / Corporation / Autonomous institute etc. Each page of tender documents is duly signed with seal by us. We undertake to adhere the ethical commitment as required in this tender mandated by the law.

Place :

Date :

Signature

Name & Seal of the Tenderer(Supplier)

PERFORMANCE STATEMENT**ANNEXURE – E**

S. no	Financial Year	Name & address, Telephone no and fax no of purchaser to whom Digital VHF Set has been supplied	Description of the sold Digital VHF Sets Name of Make & Model	Quantity of sold Digital VHF Sets	Purchase Order No. & Date issued by Purchaser (Enclose copy)	Value of contract / Purchase Order	Performance certificate from customer (attached) Yes/no

As of this date, the information furnished in all parts of this form is accurate and true to the best of my knowledge. I have no objection in getting this information verified by any authority nominated by the Chairman of DPC of HP Police in any covert or open manner, as the latter may deem fit.

Date:

Place:

Signed:

Name:

Designation :

UNDERTAKING OF RATES

To

The Inspector General of Police
AP&T –cum Chairman
Departmental Purchase Committee,
H.P Police Headquarters, Shimla-171002.

Dear Sir,

Sir,

We do hereby confirm that the rates quoted by us are the lowest possible and we have not quoted less rates to any other State/Center Government Organization/PSU under similar terms and conditions any where in India.

Yours very truly,

Name: _____

Designation: _____

Company: _____

Address: _____

Annexure- G							
Financial Bid (to be kept in Financial bid envelope)							
Tender Inviting Authority:- Director General of Police, Himachal Pradesh, Shimla-2							
Tender Enquiry No. PL-1(Purchase CDPC)-2016-17 Dated: _____ 01/2018							
Bidder Name:-							
PRICE SCHEDULE (This BOQ template must not be modified /replaced by the bidder and the relevent columns of the same should be filled, else the bidder is laible to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
	Item Description	Qty. in Nos.	Basic Price (BP) Per Unit in Rs.	CGST Applicable per Unit in Rs.	Any other taxes/Duties/Levies per Unit (Specify)	Amount Per Unit (Inclusive of all) (Col. 4+5+6)	Total Cost (Col. 3X7) (in Rs)
1	2	3	4	5	6	7	8
DIGITAL VHF TRANSCEIVER SET 20 WATT							
1	Digital TDMA (2 slots) based Fixed / Mobile VHF radio , operating in 136-174 MHz frequency Band 20 Watt with minimum 255 channels etc. The price of microphone, battery cable & mounting fixtures , Literature to be included in the base price of radio) as per detailed specifications in Annexure - .B	20					
	Accessories to be quoted separately						
2	0 dB gain whip antenna with 3 mtr Co-axial Cable with connector, magnetic base /mounting bracket for vehicle use.	10					
3	Programming Kit (all necessary programming software & hardware required for programming for the set)	01					
4	0 dB Ground Plane VHF Antenna with UHF female connector	10					
5	30 mtr.RF Cable RG-217 for base station with connectors	10					
6	12 V DC Power Supply Unit 10 Amp with battery revert	10					
7	12V 65AHC Secondary Battery with clip	10					

DIGITAL VHF 5W HAND HELD SETS							
1	Digital TDMA (2 Slots) based Digital Transreceiver based on ETSI standards, VHF Hand Held Radio operating in 136-174 MHz frequency Band, Internal VOX, DTMF Keypad, meeting IP-57 standards for ruggedisation, Colored Alpha Numeric Display with Signal Strength & Battery Indicator, minimum 255 channels Programmable, 12.5 KHz channel spacing, Heliflex Antenna, Ni-Mh or Lithium-ion or Li-polymer battery 2000 mAH capacity or more with Battery Charger, Inbuilt GPS, User Manual as per detailed specifications in Annexure---- c	110					
	Accessories to be quoted separately						
2	Spare 2000 mAH capacity or above Ni-Mh or Lithium-ion or Li-polymer battery	110					
3	Software Programming Kit	01					
4	Earphone/Blue tooth/VOX handas free kit	110					
5	Literature: Technical repairing manual with complete block diagram, circuit layout etc.	2					
Total in Figures Rs.							
Total in Words Rs.							

For Director General of Police,
Himachal Pradesh Police, Shimla-2

CONDITIONS OF CONTRACT

The contract agreement is between the Chairman, of the Departmental Purchase committee & _____ from _____ to _____. But in the event of any breach of the agreement of any time on the part of the contractor the contract may be terminated summarily by the Director General of Police, Himachal Pradesh, Shimla without compensation to the contractor.

Any change in the constitution of the firm shall be notified forthwith by the contractor in writing to the authority sanctioning the contract and such change shall not relieve any former member of the firm from any liability under the contract.

1. No new partner/partners shall be accepted into the firm by the contractor in respect of this contract unless he/they agree to abide by all its terms, conditions and deposit with the officer sanctioning the contract a written agreement to this effect. The contractor's receipt of acknowledgement or that of any partners subsequently accepted as above shall bind all of them and will be sufficient discharge for any of the purposes of the contract.

2. The contractor will supply nothing but genuine Digital VHF transceivers sets of technical specifications as per Annexure-B&C, of the rate contract from time to time in such quantities as may be entered in the supply order sent at the rates quoted. No guarantee can be given as to the quantity, which will be ordered during this period. The purchaser reserves the right of placing orders of equipments as given in Annexure-B&C with one or more contractors as he may think fit and the contractor binds himself not to revoke this contract during the said period. The Director General of Police/Chairman Purchase Committee reserves to himself the right to obtain contracted items of stores when available from any Government department/approved source without any prejudice to this contract. He further reserves the right to negotiate any of the tenderers and award parallel rate contract to any or all of the participating tenderers.

3. The equipments to be supplied under this contract will be of the quality equal and answerable in every respect to the specifications given at Annexure-B&C with the tender and approved by the Director General of Police, Himachal Pradesh. The Contractor shall be responsible for all complaints as regard the quality. In case any of disputes regarding quality of articles; the decision of the Director General of Police will be final and binding on the contractor. It will be open to the Director General of Police/Chairman Purchase Committee or any consignee to send samples submitted by the tenderer/contractor to any laboratory for lab test report and the cost thereof will be borne by the tenderer/ contractor.

4. The Director General of Police/Chairman Purchase Committee, may by notice in writing call upon the contractor to supply additional articles to serve as sample, and upon receiving such notice in writing the contractor shall at his own cost be bound to supply the additional samples, such additional samples being in all respects of the same quality as the sample first supplied.

5. The contractor will be responsible for damage or loss in transit and replace goods broken or lost within 10 days from the date of notice thereof.
6. All equipments must be dispatched within 60 days of the receipt of supply order by the contractor.
7. Conditions as to time for performance whether laid down therein or in any terms shall be always regarded as the essence of the contract.
8. The Director General of Police, Himachal Pradesh or the Chairman Purchase Committee or any of the experts attached to the Police Department of Himachal Pradesh or consignee or any other Officer or person duly authorized by authority shall have the power to inspect the Stores before, during or after manufacture, collection, dispatch transit or arrival and to reject the same or any part or portion after the written approval of the Director General of Police, Himachal Pradesh. The contractor shall provide without any extra charge all materials, tools including testing appliances, for making necessary tests for the purpose of ascertaining whether the same are in accordance with the technical specifications, labour and assistance of every kind which the aforesaid officer may consider necessary for any test or examination which he may require to be made on the contractor's premises/workshop and shall pay all cost attendants thereon.
9. The bill will be prepared in triplicate and submitted by the contractor to the consignee for direct payment. The full amount will be paid on receipt of stores, in good condition after their verification/inspection/survey as regards specification etc.
10. If, during the currency of the contract the specification of any equipment to be supplied there under be changed the contractor shall continue to comply with demands for the supply of the said equipment in accordance with the new specifications at a rate to be mutually agreed to in writing at the time of such change and in default of such agreement the contract in so far as it relates to the said article or articles under respect of which no agreement has been arrived at shall terminate but no such change shall effect the supply of any other articles under the contract or entitle the contractor to any compensation.
11. In the event of withdrawal or discontinuance of any equipment and consequent ceasing of or reduction in demand the contractor shall not be entitled to any compensation.
12. The time for and date of delivery or dispatch stipulated in the said schedule shall be deemed to be the essence of the contract and should the contractor fail to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the said schedule then without prejudice to his rights otherwise the purchaser shall be entitled to recover from the contractor a sum of equal 2% of the contract price of such consignment for each and every month or a part of a month during which the supply of dispatch of such consignment may be in arrears or alternatively at the option of the purchaser. The purchaser, shall be entitled to purchase such consignment (or if not available the best and the nearest available substitute therefore) elsewhere on the account and at the risk of the

contractor or to cancel the contract, and the contractor shall be liable for any loss or damage which the purchaser may sustain by reason of such failure on the part of the contractor.

13. No payment will be made in advance for any supplies under this contract.

14. If the price of a contracted article is controlled by Government, the payment will in no case be made at higher rate than the controlled rate.

15. All disputes shall be settled within the jurisdiction of the High Court of Himachal Pradesh. ***Or the tender documents shall indicate clearly that the contract shall be interpreted under Indian Laws and in case of a legal dispute the same shall be subject to local or pecuniary jurisdiction of the Courts of Himachal Pradesh:***

WARRANTY CLAUSE:

The contractor/seller hereby declare that the goods/stores/articles sold to the buyer under the contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars contained/mentioned in the Annexure 'B' & 'C' and the contractor/seller hereby guarantees that the said stores/goods/articles would continue to confirm to the description and quality aforesaid for a period of **02 years and 12 months for accessories and rechargeable batteries** from the date of delivery of the said goods/stores / articles to the purchaser, if during the **aforesaid period of 02 years and 12 months for accessories and batteries** the said stores/articles/goods be discovered not to conform to the description and quality aforesaid or not giving the satisfactory performance or have deteriorated and the decision of the purchaser in that behalf shall be final and binding on the contractor and the purchaser shall be entitled to call upon the contractor to rectify the goods/stores/articles or such portion thereof as is found to be defective by the purchaser within a reasonable period of such specified period as may be allowed by the purchaser in his discretion on an application made thereof by the contractor and in such a event, the above mentioned warranty period shall apply to the goods/articles/stores rectified from the date of rectification thereof. In case of failure of the contractor to rectify or replace the goods etc. within specified time, the purchaser shall be entitled to recover the cost with all expenses from the contractor for such defective stores.

In witness thereof the parties have hereinto set their hands on the dates indicated below:-

1. (In the case of firm)

Signed _____ by _____ the _____ above named _____ firm of _____ through _____ partner of the firm.

Date _____

Signature _____

2. (In the case of a company)

The seal of the _____ Company Limited was
affixed by virtue of the resolution of the Board No. _____
date _____ the _____ day of _____ 20 .

Dated

Director's Signature

Seal

Dated

Secretary's Signatures

(In either case)

In the presence of-

i) Signature Address

Description

ii) Signature Address

Description

iii) Signed by _____

Dated _____

Signature of _____

On behalf of the Government of Himachal Pradesh

For Director General of Police,
Himachal Pradesh Police, Shimla-2