

GOVERNMENT OF ARUNACHAL PRADESH OFFICE OF THE DIRECTOR GENERAL OF POLICE $\underline{ITANAGAR}$

Dated Itanagar, the 7th Sept /2023

TENDER NOTICE

On behalf of the Governor of Arunachal Pradesh, Director General of Police, Arunachal Pradesh, Itanagar invites Sealed Tender under two Bid systems (Technical & Financial Bid) from the manufacturers, authorized agents/ dealers/suppliers of reputed firms for entering into contract for supply of various WT equipments for SP(Telecom) Office ,Chimpu , Arunachal Pradesh . For details please visit our web site - www. arunpol.nic.in.

Sd/-Director General of Police Arunachal Pradesh Itanagar

(Not to be published)

No. PHQ /WT/PP-27/2023

Dated Itanagar, the 11th Sept 2023

Copy to:-

- 1. The Director of Information and Public Relations, Govt. of Arunachal Pradesh, Naharlagun for information and wide Circulation. He is also requested to pass necessary order for publication of the above Tender Notice in one leading News paper of Arunachal Pradesh and one news paper of National Daily based in New Delhi.
- 2. The In-charge Computer Cell, PHQ, Itanagar. The tender notice along-with lists of equipments with Specifications may be uploaded in the website of Arunachal Pradesh Police.
- 3. Office copy

Superintendent of Police(Telecom)
Chimpu Itanagar

Superintendent of Police (Telecom) SP (T) Office, Chimpu

Itanagar (A.P.)



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On behalf of the Governor of Arunachal Pradesh, Director General of Police, Arunachal Pradesh invites Sealed Tender under two Bid systems (Technical Bid & Financial Bid) from the manufacturers, authorized agents/dealers/suppliers of reputed firms for entering contract for supply of various WT Equipments for SP(Telecom) Office, Chimpu.

SI	Name of Item	Approx amount
1.	DMR VHF(HB) Hand held Radio (5W)	Rs. 15,00,000/-
2.	Hands free wired Mic & PTT	Rs. 1,50,000/-
3.	DMR VHF(HB) Static Radio , 25Watt	Rs 1,70,000/-
4.	Whip Antenna	Rs 10,000/-
5.	RF Cable	Rs. 20,000/-
6.	VHF(HB)GP Antenna	Rs 25,000/-
7.	Portable folding light weight Antenna Mast	Rs 100,000/-
8.	SMF Secondary Battery 12 V 100 AH	Rs 2,00,000/-
9.	Portable Solar Battery Charger	Rs 1,00,000/-
10.	VHF(HB) Repeater	Rs 500,000/-
11.	SMF Secondary Battery Charger,12V 10 Amp.	Rs 17,000/-
12.	Global Positioning System (GPS)	Rs. 3,30,000/-

2. Critical Date sheet:-

Sl.	Particulars	Date	Time
1	Date of publication of Tender	11/09/2023 (Monday)	
2	Bid submission start date	From the date of publication onward	
3	Bid submission end date	03/10/2023 (Tuesday)	1100 Hrs
4	Physical submission of earnest Money deposit/Bid Money and cost of Tender Documents (Tender fee).	With technical bids. However, the tenderer who want to obtain tender document from SP(Telecom) Chimpu, tender fee Rs. 1000/- (Bank Draft in favour of SP(Telecom)Chimpu, payable at SBI, Itanagar) may be furnished at the time of obtaining the tender documents.	
5	Pre-bid conference at SP(T) Office Chimpuo	20/09/2023 (Wednesday)	1100 Hrs.
6.	Date of Technical bid opening	03/10/2023 (Tuesday)	1130 Hrs.

3. The Technical and Financial bids are to be sealed separately in two different envelopes clearly supercribing "Technical and Financial bids" and then both are to be kept in one envelope and sealed properly. The sealed tendered/ bids should be supercribed with "Tender for WT Equipments and addressed to Superintendent of Police(Telecom), Chimpu Itanagar, Arunachal Pradesh -791113".

Envelope -1:- It shall contain copies of eligibility information as under :-

- a) Technical bid with table of content clearly indicating page number of all the submitted documents like specifications, supporting /brochure/catalogue /leaflets, certificate, license, undertakings etc. against the items quoted.
- b) Tender documents duly completed and signed but without indication of the rates "Quoted".
- c) Earnest Money @ 2 % of estimated cost of the items being quoted from the list of items must be attached in form of DD/TDR/FDR of Nationalized Bank/Post offices duly pledged in favour of SP(Telecom), Chimpu Itanagar.
- d) Attested copy of PAN Card.
- e) Attested copy of firm GST Registration.
- f) Valid Trading license issued by competent authority for the tendered items.
- g) OEM Authorized Certificate.
- h) Bidder must be ISO 9001 certified manufacturer of DMR Radios and accessories and must enclosed ISO 9001 certificate for the same .
- i) The offered DMR Radios (Handheld and Mobile) must be MIL 810G approved and government Lab certificate must be attached along with the bid.
- j) Bidder must be in possession of valid DPL license for the offered product and must enclosed a copy of the same with the bid.
- k) Vendors are required to submit undertaking that they will provide after sale service for next 5(five) years from the date of delivery of the item.
- 1) Financially soundness certificate of firm from the concerned Branch Manager of Bank from where the firm operates (The bidder must have annual turnover of Minimum 5 crore in the last 3 years)
- m) Attested copy of last three years Income tax return of the firms.
- n) Experience certificate of firm which must contain name designation, address, Phone No., Fax No., Mail ID (if any) of Issuing Officer. The certificate should be countersigned by concerned OFFICE HEAD/DEPT. HEAD
- o) Undertaking from firm that Items are not Made in China or any way related to any Chinese company/Vendor.
- p) Any other relevant documents which the firm wishes to submit.

Envelope -2:- It shall contain documents on "Financial Bid". Financial bid should indicate item wise price separately indicating the tax etc for the items mentioned in the technical bids. Financial bids shall be opened only of those bidders who have been declared technically qualified by the committee.

GENERAL INSTRUCTION:-

- 1. The bidder must be registered as Category 1 manufacturer of DMR Radios with DMR Association. The information must be available on <u>WWW.DMRASSOCIATION.ORG</u>
- 2. The tenders received after scheduled date & time will not be entertained. The tenderers or their representative may remain present at the time of opening of tenders.
- 3. Rates must be clearly written in figures as well as in words.
- 4. There should not be any cutting/over writing.
- 5. The Tenderer/Firms who fails to fulfill the eligibility conditions will be summarily rejected.
- 6. The representative of the firm should present with all the original documents at the time of opening the bids.
- 7 In case tender opening day is declared as holiday or bandh call at Itanagar, the tenders shall be received upto next working day till 1100 hrs and opened on the same day at 1130 hrs at the official chamber of IGP(Admn), Itanagar (A.P.)
- 8. The bidders should keep checking the website for any added/corrigenda to the notice/bidding documents till the date of submission of bids and the bidder should incorporate the same in his bid documents.

- 9. Conditional bids and the bids not meeting the qualifying criteria on the date of receipt of bids shall be summarily rejected.
- 10. Bids will be opened as per time & schedule mentioned.
- 11. Before submission of bids, bidders must ensure that all the necessary documents have been attached with the bid.
- 12. The department will not be responsible for delay in submission due to any reason(s).
- 13. All the required information for the bid must be filled and submitted.
- 14. Technical compliance statement should be enclosed along with technical bid clearly specifying deviation, if any for all specifications mentioned in the tender.
- 15. The tender papers containing full details with specifications and terms and conditions can be obtained from Superintendent of Police (Telecom) Office, Chimpu Itanagar, on payment of tender fee of Rs. 1000/- (Non refundable through a bank draft in favour of the SP(Telecom) Chimpu, Arunachal Pradesh, Itanagar payable at S.B.I. Itanagar on any working day from 0930 hrs to 1600 hrs w.e.f 11/09/2023 to 03/10/2023 1100 Hrs.. The tender documents may also be download from our website. The tenderers downloading the documents from website are also required to submit a Bank Draft of Rs. 1000/- as tender fees. No other mode of payment will be accepted.
- 16. All firms have to submit earnest money as mentioned above along with their Technical Bid.
- 17. Successful tenderers will be required to deposit 5 % of the total value of the articles to be supplied as performance security money in the form of Demand draft, fixed depostreceipt Bank guarantee from any commercial bank in an acceptable form safeguarding the purchase's interest in all respect within 15 days from the date of issue of letter of acceptance of tender. The successful tenders will have to enter into a "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract. Security deposit will be subject to forfeiture in case of non-fulfillment of any or all the Terms and Conditions of contract. Earnest Money of the successful tenderers will also be forfeited to the Government in case of failure to furnish security money and execution of "DEED OF AGREEMENT". Performance security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligation.
- 18. All the tenders must be accompanied with earnest money @ 2(two) percent of the estimated cost of the items being quoted from the list of items enclosed as annexure. The earnest money deposit accepted in the form of DD/TDR/FDR from any of the commercial banks in an acceptable form, safeguarding the purchaser's interest in all respects. The earnest money deposit is normally to remain valid for a period of forty-five days beyond the final bid validity period. Tenders without earnest money will be summarily rejected. The tenderers are required to pledge earnest money deposit in the name of Supdt of Police (Telecom), Chimpu.
- 19. Rate should be quoted F.O.R SP(Telecom) Chimpu Itanagar. Rates quoted F.O.R other than SP(Telecom) Chimpu, Itanagar shall not be accepted. No packing or forwarding charges will be allowed. The rate of GST (as applicable) may be charged/quoted by the tenderers and the amount be clearly mentioned for all items. The rate should be quoted in Indian currency both in figure and words clearly. Tenders must be eligible and clear in all respect else the tenders shall be liable to be rejected.
- 20. The sealed tender should be sent by Registered post or put in the Tender Box kept in the office of the undersigned SP(Telecom), Chimpu, Itanagar (A.P) on any working day from 0930 hrs to 1600 hours.
- 21. Successful tenderers have to supply the items within 90(ninety) days from the date of issue of Supply order failing which 5 % of Security deposited will be forfeited and supply order will be cancelled OR sum equivalent to 0.5 % of delivery price of the delayed items for each week delayed or part thereof beyond the original contract delivery period will be recovered to a maximum of 10 % as a liquidated damages.
- 22. Any breakage or loss of any item will be at the supplier's risk.

- 23. If any item is found damaged or otherwise unacceptable at the time of delivery/inspection, the supplier will be required to remove the same from SP(Telecom) office, Chimpu Itanagar, Arunachal Pradesh at their own cost within 15 days.
- 24. Payment will be made to the supplier directly on completion of supplies and acceptance of stores by government verification committee.
- 25. The Director General of Police of Arunachal Pradesh, Itanagar shall have the right to ask the firms to demonstrate their items before the opening of financial bids. Firms qualified in initial scrutiny shall provide a practical demonstration of equipment in compliance with the specification of tender for Technical evaluation.
- 26. List of equipments/items with description & specification is enclosed at Annexure- A.
- 27. Tenders will remain valid up to 31-03-2024.
- 28. All items to be supplied shall be on warranty for a period as mentioned by the manufacturing company. Where the warranty period has not been mentioned, the minimum warranty period shall be for one year (except consumable items).
- 29. Vendors are required to submit undertaking that they will provide after sale service for next 5(five) years from the date of delivery of the item.
- 30. The Director General of Police, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
- 31. In case of any dispute, legal jurisdiction will be at Itanagar, Arunachal Pradesh.
- 32. In case of any query tenderers may contact at following phone no./mail ID.

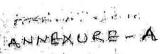
Officers	Telephone	E-mail ID
Dy.Superintendent of Police(T)/Plng, Chimpu	9436288948	sptelecomapp@gmail.com

Note:- For more details visit Arunachal Police website website www.arunpol.gov.in

Superintendent of Police (Telecom)
Chimpu ,Itanagar (A.P)

Superintendent of Police (Telecom)
SP (T) Office, Chimpu

Itanagar (A.P.)





i!' Technical Specifications

100	Name		Technical Spe	VHF (HB) Full Band
-	DMR VHF(HB)		Frequency	
	Handheld		TDMA	2 -Slot
10.0	Radio		Channel Capacity	255 or more (Set with Display)
			Channel Spacing	12.5 KHz
			Battery ::	12.5 KHZ 2000 mAh L-lon/Li-Poly rechargeable battery or higher with BIS standard
			1 8 18 18 18 18	2000 MAN L-Jon/Li-Foly legital geauty out the Average Duty Cycle of 5/5/9 : Digital : 10 hrs & Analog : 8hrs (or better)
1	=	+	Frequency Stability	±1.5 PPM or better
-			Antenna Impedance	So Ohm
-			Weight	that son grams with battery
		l +	EMI/EMC	ETSI EN 301 489-1 & ETSI 489-5/(OEM certification supported by
1			EIMIN EIMIC	International Recognised Laboratory)
		Appropriate the second		Shall be open standard DMR Tier - II
1			Air Interface	1 1-5 Watt (Programmable)
1	8	Transmitter	RF Power O/P	TARREST TREATED TREATED TREATED
1			FM Emission	4 FSK , Audio Distortion : Less than 3% , Digital Vocoder : AMBE+2
			Digital Modulation:	4 FSK, Addio Distortion (cess tright 577) Alghest 1 -3dB
1		1.	Modulation Limiting	\$ 2.5 KHz @ 12.5 KHz or better, Audio response: +1, -3dB
		1 10		
	5. 3	Security	Inbuilt software enc	ryption commercial grade 256 Bit AES or better & also have provision to
	1	,	support 3rd Party En	
		Receiver	Sensitivity	[Analog: 0.3µV(12 dB SINAD), Digital: 0.30µV at 5% BER] or better
		, Accorran	Adj. Ch: Selectivity	
			Inter-modulation	
			Audio O/P	Minimum 500mW
			Audio Distortion	Less than 3%
		\	Operating Temp.	-30° C to +55° C
1		Environmental		-40° C to +70° C
		OEM	Storage Temp.	95% Max. at +40° C Non Condensing
		Certification	Humidity	MIL-STDI-810 F/G
		Supported by	Vibration	
		International	Shock & Drop	MILE-210 -6210 1/Q
		recognised	Water Intrusion/Du	
		Laboratory)	Salt, Rain, L/Pressur	e Mili-STD-810 F/G
		Battery Charger	I/P Voltage	230V ± 10%,50Hz
			O/P Voltage	As per the battery pack(information to be provided by OEM/Vendor)
			Battery Type	LJ-lon/LJ-Poly
		3	Protection	Reverse Polarity & Short Circuit protection
			Indications	Visual indication for all modes of charging status
			01 13 13 13 14	Rapid Charger: 1 to 3 Hrs
		Handa frag	Offered Headset v	with mic, should be compatible with any or more of the following variants:
		Hands free	Bono Conduction	Far Plug Headphone etc.
		_ Kit	Dela Tactical Oper	ation Activation) Inline PTI & VOX 11 Rating 1107
			Interface "Shall be	open standard DMR Tier - II & must be compatible with this goods the transfer
		• .		t 1. L. L. J. O. Condon Manifall
		Programming	Programming kit	with all the necessary software & hardware required (b) programming of the
		Literature		tels and partie from of cost in soft as Well hard CODY
		- Licel acute	III Technical Rena	air & Maintenance Manual in soft as well as hard copy with complete places
1	Ē		diagram circuit	avout, components & wiring diagram etc.
		Nos of	Two Lith Implan	or Li-Polimer batteries with each Radio
1		Nos. of	I MO FIGURALI-IOU	Al ber smith all and a smith a smith and a smith and a smith and a smith a smith a smith a smith a smith a smith and a smith a smith a smith a smith a smith and a smith a smi
-		Battery		on with Polt Clinia
1		Carry Case	Rugged Carry cas	ocots with following descriptions:
1	<i>^</i>	GPS 1	Should be bullt-i	n GPS features with following specifications:
1			i) Time to First	Fix(TTFF) cold start : < 2Minutes
1			ii) Time to First	Fix(TTFF) hot start : < 20 Seconds
-1	1		A lethorizontal Ac	curacy : < 10 Meters

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	Name	12 - 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		: (3)	THE RESERVE OF THE PERSON OF T
-	Name	Constal	Technical Sp		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	DMR VHE(HB)	General	Frequency 7	VHF (HB) Full Band	
			TDMA	2 -Slot	
	Static Radio		Channel Capacity	255 or more (Set with D	(splay)
1			Operating Voltage	DC (10.8 V to 15.6 V)	
1			Protection		ction against High VSWR
١			Frequency Stability	± 1.5 PPM or better	
-		v.l	Antenna Impedance	50 Ohm	The state of the s
1	1		Welght	Less than 2Kg	Ţ.
1			EMI/EMC	ETŞI EN 301 489-1 & ETS	SJ 489-5/(DEM certification supported by
				International Recognise	d Laboratory)
			Air Interface	Shall be open standard !	
		Transmitter	RF Power O/P	5 - 25 Watt (Programm	
	*		FM Emils's on	11K0H3E,7K60FXE,7K60	
			Digital Modulation	4 PSK	The state of the particular to the state of
			Modulation	± 2,5 KHz @ 12.5 KHz or	better
			Limiting		
		4	FM & Hum & Noise	-40 dB or better	Electrologico e manera a mante de ante
	r with a	1 * 1	Adj. ChiliRower	-60 dB or Better	francisco de la constanta de l
1			Audio response	+1, -3dB)	
1				A PART OF STREET, THE STREET,	
			Audio Distortion	Less than 3%	<u> </u>
١	•		Digital Vacoder	AMBE +20	
		Security	support 30 Party End	tyption with Remote Kill,	
		Receiver			INAD), Digital: 0.30µV at 5% BER] or better
1			Adj. Ch. Selectivity	60 dB or Better	
1	4		Inter-modulation	70 dB or Better	Constitution of the consti
1			Audio O/P	Minimum/3W	Market Control of the
1	el el		Audlo Distortion	Less than 3%	
		Environmental	Operating Temp		April a sea o sea o medico se sillina selle and francis a
		(OEM-	Storage flemp.	-40° C tö +70° C	K
		Cartification	Humidity, 11		on Condensing
		Supported by International	Vibrations	MIL-STD -810 F/G	All Condensing
	4	recognised	Shock & Drop	MIL-STD -810 F/G	keep a see that the see that th
	1	Laboratory)		MIL-STD-810 F/G or IP-	and the second s
			Salt, Raim L/Pressure		BH AND THE STATE OF THE STATE O
	VHF(HB)	Eronicani 13	C NALLS to distance	INTERNITY OF TOTAL	24p/0-15/
0	Whip	Tube:	DO TO TOTALLE	Herina base (Magnetic ,	Antenna Gain : 3dB (Omni Directional)
	Antenna	Type ; Material ;	no so ., nr Cable(Ler	gth: 3 Meter, Loss: 0 d	ID 100
	Airemia .	The same of the sa			tor; As per users requirementnt
	75.				vatt, Wind resistance : 100km/hr or more
	RF			th: 14 Meter, Signal loss	
	Coaxial	Conductor : F	ure Copper Solid Inne	r conductor & Pure Coppe	of braid outer conductor
	Cable		PVC, Power handling:	Minimum 25 watt, Conne	ector : As per the users regulrement
!	Antenna	Туре	Mono pole (Foldable	a & Portable)	
	Mast	Height	36 feet (Total nos. o	offsection (06 , Section ler	ngth : 06 feet each)
		Material		ular Aluminum Pipes	The state of the s
		Other			nut bolts), Section couplers, Spike Anchors with
		Essentials	supporting guy rope		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
_		Carrier Marie		41: 17: (1) (8) (7) (9) (1) (1)	

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·				Påge.3/4
1	Name	mean sair	и Тесhnical Spe	cifications
3	Secondary Battery	Type Sealed	Maintenance free (SMF), Vo	ltage: 12V , Capacity : 100 Ah, Warranty : 02 Years (Replacement)
3.	Solar	a)	Wattage	Thin film foldable Solar Panel with minimum of 80 Watt
1	Battery	Solar Panel	Size	Folded size: 30 x40 x 5 (in cm) Approx.
	Charger			Unfold Size: 120 x 40 x2 (In cm) Approx.
			Weight	Weight of panel: 1 kg Approx.
		b) Solar	Adapter #	19.5V 5 Amp to be put in AC supply socket of 220/230 VAC, 50Hz.
		Charger	DC Charging Input	Thin Film Foldable (TFF) Solar Panel of 80 Watt
		Backup	Inverter:	Pure Sine wave O/P 220 240 V; Total Real power: 500 Watt(Peak
			Output voltage	a) DC 12 V / 10A (14.5A Max.) b) AC 230 V , 5 Watt
			Battery . !	Inbuilt Lithjum Ion Battery 500 Wh, 150 AH, 3.7V
			Charging Time	09 hrs (Approx.) in bright sunlight, AC Adapter: 6 hour (Approx.)
			Working temp,	-10° Celsius to 45° Celsius
			Protection	Over Voltage, Over Current, Under Voltage, Short ckt., Battery deep down discharge auto protection.
			Indicator . 194, 51	Audio Alarm / LED indicator when battery is low
	ж		Weight	6 Kg Approx. (excluding the Solar panel)
		La L	Other Essentials (1975)	All the required Cables , Connectors & Adapters and Carrying Bag
١.	SMF	Type : SMF Ba	attery Chargar, I/P Voltage:	230 V (AC) ± 30 % , Q/P Voltage : 12V (Pure DC) :
	Battery	Ampère Ratin	g : 10 Ampere (Adjustable) ,	Protection: Reverse Polarity, Overload and Short Circuit, I/P AC surge
	Charger	Indicator : 1/1	PAC Voltage 1, O/P DC Volta	ge , O/P Charging Current, Battery Charging Status in %
		Cut Off : A	uto Cut off when fully charg	ed , i lib
	*	Other essentia	als	O/P ₁ charging cable: 02 meter 15 Amp charging cable with Crocodill clip; II/P power cable: AC 3 Pin Plug, 15 Ampere 0 2 meter

SI	Name	Technical Spedifications
	Digital	General;
10.	VHF(HB)	Frequency Range ; 136MHz - 174 MHz (Full Band) , Number of Channel, 20 or more
	Repeater	Technology :Digital TDMA (2 - Slot); Operating Mode :Duel Standard(Digital & Analog), Channel Capacity: 52 or more
	(with	Operating Selection : Fully automatic for both Digital & Analog, Channel spacing: 12.5KHz
	Coaxial	Operating Voltage: 11.25 VDC & 230VAC ± 10%, Frequency Stability: ± 1PPM or better, Duty cycle: 100%
	Cable & GP	Interface: Ethernet port for IP., Antenna Impedance: 50 Ω, VSWR: better than 1.5
	Antenna)	Weight iless than 15 KG, Display: Indicator for Transmit & Receive, Protection: Reverse polarity
		EMI/EMC : ETSI EN 301 489-1 & ETSI 301 489-5 OEM Certification supported by International recognised
	10 100	Air Interface : Open Standard DMR! Tier-II
		Transmitter:
		RF Power O/P : 25 Watt (Arggrammable) , FM Emission : 11K0F3E,7K60FXE , 7K60FXD , 7K60FXW
		Digital Modulation: 4 FSK 例 Modulation Limiting 生 2.5 KHz @ 12.5 KHz or better, Audio response: +1, 13dB
		FM & Hum & Noise : -40 dB dribetter Adj. Chil Power : -60 dB or Better , Audio Distortion: Less than 3%
		Receiver:
		Sensitivity: [Analog:0.3μV(12 dB SINAD) , Digital: 0.30μV at 5% BER] or better, Image Rejection : 65 dB or Better
		Adj. Ch. Selectivity: 60 dB or Better, inter-modulation: 70 dB or Better, Audio O/P: Minimum 3W
	le kess	Audio Distortion: Less than 3%
	ALC.	Environmental:
		Operating Temp.: -30° C to +55° C: OEM Certification
		Storage Temp. : -40° C to +70° C 1
		Humidity: 95% Max, at 440° C Non Condensing 1 Laboratory i
		Accessories
		Battery cable & mounting fixtures To be supplied with Repeater.
	21.00 m; 1.5	GP Antenna : 6dB gain Omni cirectional antenna with 45 meter RF cable RG217 for base Station will be provided
		as per user's requirement
la l		Programming Kit : Programming kit with all the necessary software & hardware required for programming of Radio
		Independently with lifelong support with regular updates.
	1	Literature: I) User manual with each Radio free of cost in soft as well hard copy.
		ii) Technical Regairing & maintenance Manual in soft as well as hard copy with complete block diagram, circuit layout, components & wiring diagram in soft as well hard copy.
	<u> </u>	The state of the s

il	Name		ita i usaan	Te	chnical Spe	cifications					
·	General	*************	er american v		THE ST MEGA	1	 	dazasınışı on orașiii	menorari i		
-,-	Digital	r i		Eroguana	Bulleti	12 +2 20:00	VO NALLE lele d	00 110 30 200 21	-1550 40 11-	- e	-+-
	HF Manpack	2.5						00 Hz channel sp		resolution	1 - b
	Radio							n(E), CW/MCW,A		per e la 	the state of
	Nacio							ency Stability: ±			1
								1, 12V DC(Nomi			1
	4 2 2			EMIEMG	MIL-STD-46	1/462Clor	TSI or CISPR 2	2 or IEC 61000-4	Series(TEC/EMI	/TEL-001/	1
		Gene	ral				G with Batter		<u>, </u>	. 1	1.
								& High VSWR		1	1
								VSWR : better th			;
								Whip Antenna 8		enna j	
								play : Front pane			1
	1	2.5						Ilt internal fully a			
	4 1	,		Programm			C programmir	g software and f	ront panel prog	ramming	
	4		}	Commun	cation Secu	rity: App	loved encrypt	on (\$AG) may be	Incorporated	Î	
								Low , Medium, H		i.	, , <u>, , , , , , , , , , , , , , , , , </u>
	7			Spurious	emission:	≤ 40 dB bel	ow PEP , Side	Band Suppressi	on: ≥ 70 dB or	better	3 1
		Trans	mitter					lio response : W			
		11 4118	muttel				dB min. below		STAIR BUT TO STAIR		real L
								load for 5Mv of	Audio input at	1KHz	a color to
				Modulation	on Sensitivi	ty:1 to 10	mV at 1 KHz fo	r full power und	er SSB mode	1	-
	1.	-	and the second second	Sensitivity	: - 111 d	om for 10 d	SINAD or bet	ter , lmage Rejec	ction : > 70 dB	or better	
				IF Rejection	on (≥ 70 d	B' or better	Inter modula	on distortion : 3	35 dB min, helov	V PEP	
		Recei	ver	Audio res	nonse Wi	hin 60h fro	m 350 Hz to 2	00Hz , Audio O/	D 1 Watt agree	claudena	koror
		, and a second		more !	44,144		10 990 112 to 2	it	1 tr Andreadios	a ladushe	akei oi
						monic Diete	rtion : ≤ 40 dE	h hottor	Sala constituta per colleta e es	, martina d	
			7.1					mp. i : -30° C to +	6000		ANT THE P
		Foyle	pnmental	Humidity	105% non	Condonal	ng (-20°C to +6	(11p. 1 ; -30 C to 1	r DU C		
	. 1		primontal					ide: MIL-STD-810	ociole ielo v	C CCCC	
		-		Coloctive	Calling Die	tel neven	Ing(4/6 digit se	ide: MIL-210-810	OCTOLETELO OL 12	5-5555	
									1 Am Ama 2 And 2		
				ALE LIEU	o channel	/second or	petter, ALE(2G	(3G) : Complying	(MIL-510-188-1	41B	, , , , , , , , , , , , , , , , , , ,
		3. ve		ALC LILLY	Addity date	1124 nouns	or upto 100 St	itions & 100 Cha	innels or better		
	B 11 01 3			ALE LINKIL	Quality data	resolution	[1 (Local : 5 bit	SINAD,5 bits BE	R & Remote : 5	oits SINAL	,58ER)
				Flash Mes	sage : Prec	lefine mess	age, Vocoder	MELP/ACLP(120	0/2400 bps)		
				Frequenc	A Hobblug	Hop Rate:	6/12/25 hops	per second (User	r Programmable	as per re	gulatio
		Featu	res	Hop Set I	lable :100 f	requencies	or better 💢	4 gran	i di	- l	ŗ
				GPS : GPS	Inbuilt G	PS with poll	ng facility not	as a add on acce	ssories '		
				RS-232 Q	ntrol' ! Rad	io should h	ve capability	o operate on 480	00 baud rate or	more	
		i.	2. 5	Remotek	III/ Stun/Re	evive facility	Audio I/P So	cket i Mic & Exte	rnal Socket		
				Squelchi	High qualit	y Syllabic so	uelch, Push to	Talk : Sultable r	ugged Mic to b	e provide	3
				Audio So	ket i Sultal	ole rugged l	eadgear to be	provided	A STATE OF		10.00
		,		Rugged b	ackpack ca	rry case , B	attery charger	& Spare Battery	1 1.		
	Transport State			Literature	Coperatin	g manual w	ith each Radio	& Repair/Mainte	enance manual	ree of co	it
	Name	- to-selec	Technica	l Specificat	ions	1 1 4		The state of the s	************		12-
	Handheld		Screen si	The state of the s	3 Inch (Ap)	orox) Touch	screen	5			
2.	Control of the Control	. 4	Features				axis Compass	#	meg liniga arad		
	Positioning	٠,		Alkaline Bat	tery NI-Cr	Storage	GR internal	with MicroSD Ca	and slot		-
	System		Dotto	4-1-4-C	Bank Mich	7 9400 98 9 0	L'ab litterital	Avier interestrict	aru siut	P 4	
	(GP\$)		Battery Ji	te: 16 hou	rs (Approx.	with Activ	GPS				ne stant et te
	1"						g: IPX7, Maps	preloaded	A STEEL S		
					carrying ca				and the same of the same		
			Manuals		Jser Manua	al with each	device		************	,,,,,,,, ,	-
4	Satellite Phon	е						nce specification	n will he as nor t	he suppli	ari '
-		-	 		y THE P	ada favorabal 1	Man S. ASMETT	the Manufactu	. will he do held	મહત્રવાઇમાદ	r)

Note: Warranty for the items will be as per the standard warranty period offer by the Manufacturer on individual Items

(K.V.G Pjllai) (Dy SP(T) HQ (Member) Milo Tanyo Inspr(RT)/WS (Member) Michi Duri Inspr(RT)/PP (Member)

Subu Tami O¢(WT) Store (Member) (On leave)
ASI(RT) K. Kumar
Workshop
(Member)

(Out Duty)
ASJ(RT) R.Kumar
Workshop

(Member)

(Out Duty) HC(RT) R.K.Suman Workshop

(Member)

Superintenden of Police (STF), PHQ Itanagar (Clairman)

Annexure - A

SI.	Name of Item	Specification	
6	GP Antenna	Frequency: VHF(HB) Full Band	
		Gain: 6 DB Omni directional	
		Antenna I/P Connectors : As the users requirement	
		Antenna Mounting Clamp	

