ADMINISTRATION OF DAMAN & DIU (U.T.) POLICE DEPARTMENT, DAMAN & DIU, DAMAN.

No.SDPO/PMS/DD/Tender/Communication/2012-13/604

E-TENDER (ONLINE) INVITATION NOTICE

Date: 29.11.2012.

Sealed Tender are hereby invited from the interested Parties, on behalf of the President of India by the undersigned through on-line tender on http://daman.nprocure.com for Procurement of Communication Equipments for Police Department of Daman and Diu, Daman from the Manufacturer/ Authorized Dealers/ Suppliers. E Tender Notice also available on http://daman.nic.in.

Sr.	Name of Work	EMD	Tender Fees	Approximate
No.		(Earnest Money Deposit)	(Non- Refundable)	Estimated Cost
1.	COMMUNICATION	Rs. 1,00,000/-	Rs. 4000/-	Rs. 40,15,000/-
	EQUIPMENTS			

On line downloading & submission of tender documents:	Up to 21/12/2012 15.00hrs
❖ Physical submission/ uploading of tender	On or before 21/12/2012 15.00hrs
documents	
❖ Tenderer have to produce sample of their product must be given at PHQ, Daman for Communication Equipments with sufficient training without fail otherwise tender will be summarily rejected I Technical bid and price bid will be opened of only these who qualify to submit produce sample of their product.	On 17/08/2012 to 18/12/2012
 Online opening of Technical bid 	On 21/12/2012 15.30 hrs
 On line opening of price bids 	On 27/12/2012 (if possible)
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- ❖ Submission of tender fees in form of DD and EMD in form of FDR in favour of DIGP, DD, valid copy of Sales Tax, Central Sale Tax registration number with certificate of manufacturer/ supplier, PAN number etc. These are the mandatory document required to be uploaded and RPAD/Speed Post / Courier shall also submit hard copy of the above-mentioned documents to the tender inviting authority, however, tender inviting authority shall not be responsible for any postal delay. The said documents can also be deposited on or before 21/12/2012 15.00hrs in the office of the undersigned.
- ❖ The tender inviting authority reserves the right to accept/ reject any or all tenders without assigning any reasons thereof.
- ❖ The tender will be opened on the same day in presence of the tenderer, if possible. The offers received without obtaining tender documents or without EMD and tender fee shall be rejected.
- ❖ The tender form alongwith all details including schedule and terms & conditions can be downloaded from the web site http://daman.nprocure.com. The tender fees (non Refundable) in form of DD and EMD in form of FDR may be kept in technical bid alongwith the above mandatory documents. The price bid shall be opened to those firms / agencies who qualify in technical bid.
- ❖ Bidders have to submit the price bid in Electronic format only on http://daman.nprocure.com. web site till the last date & time for submission. Price bid in Physical format shall not be accepted in any case.
- ❖ In case any bidder need any clarification of if training is required for participating in the online tender process they can contact the following office.
- "(n) Code Solution- A Division, GNFC Ltd."

403, GNFC Info Tower, Bodakdev, Ahmedabad- 380 054 Gujarat (India)

E-mail: nprocure@gnvfc.net

Fax No. 079-2685732, Tele: 079-26857316-18

Website: www.nprocure.com

Sd/-

Sub Divisional Police Officer
Daman and Diu
Daman.

Copy to:-

- 1. The District Informatics Officer (NIC) Daman for Publishing on website.
- 2. All Head of Office, Daman (U.T.) for wide publicity
- 3. Copy to all required Firms/ agencies/ manufactures for information and necessary action.

ADMINISTRATION OF DAMAN & DIU (U.T) POLICE DEPARTMENT, DAMAN & DIU DAMAN

TERMS AND CONDITIONS

Terms and conditions for supply of COMMUNICATION EQUIPMENTS to the Police Department Daman & Diu, Daman.

Tender No. SDPO/PMS/DD/Tender/ COMMUNICATION EQUIPMENTS /2012-13/604 Dated: 29/11/2012

- 1. The rates quoted should be strictly for free delivery at Daman and will be valid and operative for supply order issued on or before Date 31/12/2012
- 2. The rates should be quoted inclusive of all taxes.
- 3. No extra charges for packaging, forwarding and insurance etc. will be paid on the rates quoted.
- 4. The rates should be quoted only for the items specified in the list of requirements and should be for the items of given specifications confirm to the standard (s) requirements of the given specification/mark/ manufactures
- 5. Rates quoted for items other than required specifications/Mark/ Manufacture may not be considered. However indigenous manufacturers may quote their own makes provided.
- 6. Where this office does not specify Specifications/Mark/Manufacture, the rate should be quoted only for the first class and standard quality.
- 7. The decision of the Tender Inviting Officer for acceptance / rejection of supplied including the decision for equivalent specifications, standard and quality etc. of articles shall be final.
- 8. The tenderer should send in advance or enclose along-with tender an amount of Rs 1,00,000/- as Earnest Money Deposit by drawing a demand draft on any scheduled Bank at Daman in favour of the DIGP, DD, and Daman. Tenders received without Earnest Money Deposit will be summarily rejected.
- 9. (a) The successful tenderer will have to pay within 10 days from the date of demand an amount equal to 10% of the total value of the articles that may be ordered on the amount of Security Deposit in form of F.D.R.
 - (b) Non-receipt of the Security Deposit within stipulated time limit will result in automatic cancellation of the order for supply without any intimation.
 - (c) However, in case if any articles are received for which the security deposit may not have been deposited, the fully security deposit as may be due from the supplier will be recovered from the bill(s) for such articles
- 10. The amount of earnest money paid by the successful tenderer (s) will be adjusted against the amount of security deposit to be paid by successful tenderer (s) as per condition No.11 above.
- 11. The amount of earnest money paid by the tenderer (s) whose tender are not accepted will be refunded to them by Cheque or demand draft as may be refunded to the Tender Inviting Officer
- 12. Only on satisfactory completion of the supplies ordered for and on payment of all bills of the supplier, as to be admitted for payment, the amount of security deposit / earnest money deposit will be refunded after expiry of guarantee period if any, or any such date / period as may be mutually agreed upon.
- 13. The Head of Office will consider extension of the time for remitting the security deposit as demanded. However, in case of denial to consider such extension the supplier is bound to abide by the limit given and liable to make good any loss to the government on account of his failure to abide by the time limit.
- 14. (a) Railway receipt or other transport document should be drawn in favour of the Officer Inviting tender
 - (b) Railway receipt or other transport document should not be sent by V.P.P or through any Bank as this being a Government office it is not possible to clear cash demands of post office/ Bank for delivery of B.R. or other transport documents unless we have agreed to it as a special arrangement.
 - (c) Railway receipt or transport documents should be sent to this office by registered post immediately on dispatch of goods from dispatching end
- 15. The supplies of store equipments etc. of inferior quality / standard or of different specifications other than that ordered/specified on/or incomplete or damaged articles will not be accepted. The supplier will have to replace the same at his own cost and risk on intimation of non-acceptance. However if no communication is received within 15 days from the date of communication. The Tender Inviting Officer will not be responsible for any damage, loss etc. of such rejected articles.

- 16. In case, failure to replace the unaccepted & rejected articles from supplies made as mentioned in the conditions, the loss undergone by the government will be recovered from the suppliers security deposit / earnest money or payment due of any bill (s) to the extent required.
- 17. In case of failure to supply the store Machinery & equipments etc. ordered for, as per conditions and within the stipulated time, the same articles will be obtained, if required, from the tenderer who has offered next higher rates or from any other source, as may be decided by the Tender Inviting Officer and loss to Government on account of such purchase (s) shall be recovered from the former suppliers security deposit / earnest money or bills payable. The suppliers shall have no any right dispute with such procedure.
- 18. Extension of time limit for supplies may be considered by the Tender Inviting Officer up to 50% of the original stipulated time for supplies and the beyond that by the Dy. Inspector General of Police, Daman & Diu, Daman who so ever may competent to accord expenditure sanction or enter into contract with reference to the amount involved in the contract. The extension so granted may be with levy of compensation for delay in execution of supply order up to 5% of the cost of supplies ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time depending upon the circumstances no such decision in the matter will be final
- 19. Demurrage charges paid by the Tender Inviting Officer, on account of delayed receipt of dispatch documents/ intimation will be recovered from the bills payable to the supplier.
- 20. (a) The supplier (S) of the Machinery and Equipments shall have to supply spare parts as and when required on an agreed basis i.e. on agreed discount on the published cataloged/list prices for an agreed period
 - (b) The supplier (S) shall give adequate advance notice before any spare parts goes out of production to enable the Tender Inviting Officer to order for spare parts required one lot for the life time of respective Machinery
 - (c) If mutually agreed to the supplier (S) shall make available the blue print drawing etc. of the spares if and when required in connection with main Machinery/Equipments.
- 21. If at any time after the order for supply of Machinery/store equipments the Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the Tender Inviting Officer shall give notice in writing of the fact of the supplier(s) who shall have no claim to any payment of compensation whatsoever on account of any profit or advantage which the supplier(s) might have been derive from supply of articles in full but which did not derive in consequence of the full quantity of articles not have been purchased any alteration have been made in the original instructions which shall involve any curtailment of the supply original contemplated.
- 22. The Earnest Money(s)/Security Deposit(s) paid by the tender earlier against any tender(s) for supply order(s) is/are not adjustable with Earnest Money or Security Deposit required by these conditions.
- 23. All bills should be in duplicate and should invariably be mentioned the number and date of supply order.
- 24. All bills should be pre-receipted on a revenue stamp of proper value. Bills which are not pre-receipted on revenue stamp will not be accepted for payment
- 25. Each bills in which Sales tax is charged must contain the following certificate on the body of the bill "Certified" that the goods on which Sales Tax/VAT/Service tax has been charged have not been exempted under the C.S.T/VAT Act or the rules made there under and the amount charged on account of Sales Tax on these goods is not more than what is payable under the provision of relevant act of the rules made there under.
- 26. The tenders will be opened in presence of tenderers or their representatives. If any, present in the office of the Tender Inviting Officer.
- 27. The right to accept or reject without assigning any reasons and or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all.
- 28. The tender offers received which do not confirm with the terms and conditions of this office will be summarily rejected. However if any firm desires to consider exemption from payment of earnest money deposit certified copies of it's registration with D.G.S&D for specific items should be attached with their tender.
- 29. If the tenderer whose tender/ quotation is accepted fails to execute the supply order within stipulated time, the Earnest Money Deposit of such tenderer will stand forfeited to the Government.

- 30. In case the supplier does not execute the supply order in the full placed with him, the E.M.D. of the supplier will be forfeited to the Government and the contract for the supply shall stand terminated with no further liabilities on either party to the contract.
- 31. No separate agreement will be required to be signed by the successful tenderer(s) for the purchase of the contract for supply. Rates tenderer/ offered in the response to the concerned Tender/ Quotation Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.
- 32. The bidders provide information, as per the enclosed specification details duly signed by him
- 33. The bidders should also submit copy of test report from T.B.R.L., Chandigarh, or any other Laboratory which is technically competent to carryout such tests.
- 34. The bidder should also enclose copy of its supply order to any Central Government/State Government/Under taking, if the same is available with him.
- 35. If the supply of equipments are not satisfactory or as per specification given in the tender, the same will be rejected by the Tender Inviting Officer and same will have to be replaced by the supplier at his own cost & risk.
- 36. The supply of equipments should be completed within 01 month from the date of work order/supply order
- 37. The tendering firm must be registered with the Sales Tax/VAT Dept. and a copy of their registration under the Sales Tax/VAT bearing the TIN Number be provided, besides the Latest Sales Tax/VAT Clearance Certificate
- 38. The tendering firm will deposit the papers regarding experience supplying items during the last three years for the above item/work, if any
- 39. No advance payment will be made and no request for increase in the rates will be entertained during the period of supply
- 40. All the firms participating in the Tender must submit a list of their owners/partners etc. along with their contact telephone Nos. and a Certificate to the effect that the firm is not blacklisted by any Govt. Department nor any Criminal Case is registered against the firm or its owner or partners anywhere in India.
- 41. Bidders should not be permitted to alter or modify their bids after expiry of the deadline for receipt of bids.
- 42. The Purchase Committee reserves the rights to reject any tenders or negotiate as per rules
- 43. The Purchase Committee also reserves the rights to relax any terms and condition in the public interest
- 44. All disputes subject to the jurisdiction of courts in the Territory of Daman

NOTE:-

- A) FOLLOWING DOCUMENTS SHOULD BE SUBMITTED WITH THE ENVELOPE MARKED AS **TECHNICAL BID:-**
- 1. EARNEST MONEY OF Rs. 85,000/-IN FAVOUR OF DIGP/DD, Daman.
- 2. SALES TAX/VAT REGISTRATION CERTIFICATE ALONGWITH TIN NUMBER
- 3. LATEST SALES TAX/VAT CLEARANCE CERTIFICATE
- 4. DOCUMENTS RELATING TO PAST PERFORMANCE FOR THE LAST THREE YEARS, IF ANY.
- 5. A LIST OF OWNER/PARTNERS OF THE FIRM AND THEIR CONTACT TELEPHONE NOS. ALONGWITH A CERTIFICATE TO THE EFFECT THAT THE FIRM IS NOT BLACKLISTED BY ANY GOVT. DEPARTMENT NOR ANY CRIMINAL CASE IS REGISTERED.
- 6. ANY OTHER RELEVANT IMPORTANT INFORMATION IF ANY.
- 7. COPY OF TERMS AND CONDITIONS DULY SIGNED WITH SEAL OF THE FIRM, IN TOKEN OF ACCEPTANCE OF TERMS AND CONDITIONS.
- B) PRICE BID MUST BE SUBMITTED ONLY ON <u>WWW.NPROCURE.COM</u>

AGREEMENT

Certify that I/We hereby agree to abide with Terms & Conditions as specified in Tender. Forms accepted.

Sd/-

Signature of the Supplier's With Seal

Sub Divisional Police Officer PMS Cell, PHQ Daman

Date: -

Note: - Please return one copy of these conditions duly signed along with your tender/quotation.

Administration of Daman & Diu, U.T., (Police Department) Daman & Diu

Schedule of Requirement for Communication Equipments in the UT of Daman & Diu, U.T.,, as per the specifications

Sr. No.	Name of Items	Quantity	
01.	VHF Static set (HB) with all accessories		
01.	• Frequency range:- 136-174 MHz		
	• Frequency Stability (-30 C to 60 C, 25C ref.) :- ± 2.5pm		
	• RF Power output :- 25W		
	Channel Capacity :- 128 channels		
	Channel Spacing :- 12.5/20/25 KHz		
	• Weight :- 1400gms		
	 Compatible with voice/ data communication 		
	Programming kit and technical/ operation manual be provided		
	<u>Transmitter</u>		
	 Modulation Limiting :- ± 2.5KHz @ 12.5KHZ, ± 4.0KHz @ 20KHz, ± 5.0 KHz@25KHz 		
	 FM Hum & Noise :40db @12.5KHz & -45db@ 20/25 KHz 	50 Nos.	
	• Conducted / Radiated Emissions :36dbm<1 GHz, -30dbm<1GHz		
	 Adjacent Channel Power ;60dbm @12.5KHz & -70Dbm @20/25KHZ 		
	Receiver		
	• Sensitivity (12db) :- 0.22uV		
	• Intermediation: -78db@25KHz, 78db@20KHz, 75db@12.5KHz		
	Adjacent Channel Selectivity :- 80db@25KHz, 70db@ 20KHz & 65db@12.5KHZ		
	Spirious Rejection :- 80db@20/25KHZ, 80db@20/30KHZ		
	• Hum & Noise :40db@12.5KHZ, -45db@20/25 KHZ		
	• Audio Response (300 to 3000MHz) :- + 1,3db		
02.	VHF Handheld (HB) with all accessories		
	• Frequency: (MHz) 136 - 174		
	Channel Capacity 128 Channels		
	Power Supply Provided through		
	rechargeable battery - 7.5V		
	 AVERAGE BATTERY LIFE @ 5/5/90 CYCLE Low Power High Power 		
	 With Ultra High Capacity NiMH Battery: 14 hours 11hours 		
	• Sealing Withstands rain testing per MIL STD 810 C / D / E and IP54		
	Shock and Vibration Protection provided via impact resistant housing exceeding MIL STD 810-C/ D / E and TIA/EIA 603		
	• Dust and Humidity Protection provided	50 Nos.	
	via environment resistant housing exceeding MIL STD 810 C / D		
	/ E and TIA/EIA603		
	TRANSMITTER Specifications. VHF		
	• *Frequency (MHz) 136 - 174		
	• Frequency separation Full bandsplit		
	• Channel spacing 12.5 / 20 / 25kHz		
	• Freq Stability: ±0.00025%		
	(-30°C to 60°C, +25°C Ref.)		
	• Power 5W (VHF)		
	Modulation limiting ±4.0 @ 20kHhz, TM Harry & Nation		
	• FM Hum & Noise -40 dB		
	 Conducted/Radiated Emission -36 dBm < 1 GHz / -30dBm > 1 GHz 		
	1 G11Z		

	Modulation FCC Type 12.5 kHz	
	11K0F3E. 25 kHz 16K0F3E	
	 Audio Response (from 6 dB/octave +1 to -3 dBpre-emphasis 300-3000Hz) 	
	 Audio Distortion RECEIVER Specifications 	
	VHF	
	• *Frequency (MHz) 136 - 174	
	 Frequency separation Sensitivity (12dB SINAD)EIA . 25Mv 	
	• Intermodulation(EIA) 70 dB	
	Adjacent Channel Selectivity 60 dB @ 12.5kHz, 70dB @ 25kHz	
	• Spurious Rejection 70 dB	
	Rated AudioAudio Distortion500 mW3%	
	 Hum and Noise 45 dB @ 12.5kHz, -50)
	dB @ 25kHz	
	• Audio Response(300-3000Hz) +1 to -3dB	
	 Conducted Spurious Emission -57dBm < 1Ghz, -47dBm > 1Ghz, 	
03.	HF Sets With Data Communication (along with complete sets)	
	The HF sets needs of modern voice / data communication	
	Automatic telephone interconnectFM to HF repeater • ATUs	
	• Antenna systems	
	• HF Modems	
	Secure voice and data	
	• AC power supply Frequency Range 1.6-30 MHz	
	Number of Channels :- 200	
	Transmission :- 125 Watt PEP average	
	Reception: -100 kHz-30 MHz Rx	
	Operating Voltage:- 13.8 V ±20%; 24 V operation (option) Bandwidth	
	Audio :- 350 to 2700 Hz	
	Data :- 300 to 3300 Hz	
		02 Nos.
	Frequency Stability :- 0.6 PPM (0.1 PPM optional) Frequency Resolution :- 10 Hz	02 Nos.
	Frequency Stability :- 0.6 PPM (0.1 PPM optional) Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F	02 Nos.
	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F	02 Nos.
	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD	02 Nos.
	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head	02 Nos.
	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches	02 Nos.
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	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM	02 Nos.
04.	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 μV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116	02 Nos.
04. 05.	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM	
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05.	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 μV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz	35 Nos. 25 nos.
05. 06.	Frequency Resolution: - 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity: - 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz Co-axial RF Power cable 30meter with BNC adapter	35 Nos.
05.	Frequency Resolution :- 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity :- 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz Co-axial RF Power cable 30meter with BNC adapter Repeaters VHF Sets	35 Nos. 25 nos.
05. 06.	Frequency Resolution: - 10 Hz Operating Temperature Range:30°C to +60°C / -22°F to +140°F Humidity: - 95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 µV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz Co-axial RF Power cable 30meter with BNC adapter	35 Nos. 25 nos.
05. 06.	Frequency Resolution: -10 Hz Operating Temperature Range: -30°C to +60°C / -22°F to +140°F Humidity: -95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 μV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz Co-axial RF Power cable 30meter with BNC adapter Repeaters VHF Sets VHF Repeater Station comprising of 2 Nos. mobile radio, Interface controller, Mounting rack with built in power supply, duplexer and connecting cables and connectors:-	35 Nos. 25 nos. 10 Nos.
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05. 06.	Frequency Resolution: -10 Hz Operating Temperature Range: -30°C to +60°C / -22°F to +140°F Humidity: -95% @ 50°C / 122°F Sensitivity (SINAD) SSB: 0.3 μV for 10 dB SINAD Dimensions Control Head Height 92 mm / 3.7 inches 60 mm / 2.36 inches Width 302 mm / 11.9 inches 187 mm / 7.36 inches Depth 270 mm / 10.7 inches 70 mm / 2,75 inches Weight 5.7 Kg / 12.5 lbs 0.32 Kg / 0.71 lbs PC control and programming software package USB for external keyboard Micom Link interface ALE DTM/DBM Interface for secure voice device VP116 GP Antenna (VHF HB) frequency range: 136-174 MHZ VHF Whip Mobile Antenna (VHF HB) with 3 meter Coaxial cable and BNC Connector Frequency range:- 136-174 MHz Co-axial RF Power cable 30meter with BNC adapter Repeaters VHF Sets VHF Repeater Station comprising of 2 Nos. mobile radio, Interface controller, Mounting rack with built in power supply, duplexer and connecting cables and connectors:-	35 Nos. 25 nos. 10 Nos.

- User Manual for Transreceivers and interface controller
- Continuous Duty Operation at Low Power (25 Watts to duplexer)
- Duplexer Antenna Port is UHF Female
 - Compact Microphone with hang-up-clip

Flexible

- Users have the flexibility to choose their frequency and power levels best-suited for their business or to combine two frequencies to create bi-directional or cross band repeater
- The sleek and compact design allows quick and easy access for system adjustment

Compact & Reliable

- The 15A continuous duty power supply allows selection of either thermal controlled or continuous operation of the fan for quiet performance and enhanced efficiency
- Battery Revert Module is available to provide operations efficiency
- A wide range of radio accessories and antenna's available to expand the repeater's capabilities

Range Extension

 In addition to the standard repeater operation, which extends the range of your radio fleet, other modes of operation allow an UHF frequency radio to talk to a VHF frequency radio within your fleet. It also lets you monitor transmissions on frequencies in another band and allows you to link separate coverage areas.

Capability Expansion*

Community Repeater Capability — lets multiple groups share the same radio channel.

Telephone Interconnect — lets radio users access a local landline telephone network, further expanding your communications reach.

Standard Repeater Includes:

- Metal Enclosure with Fan Assembly
- Interconnection Cables
- Service Manual

R.I.C.K. Module Features (Repeater Interface Communications Kit)

- Programmable Dip Switch
- Hang Time 0, 1.5 or 3 seconds
- Audio Path Capability
- Bi-Directional or Uni-Directional Operation
- Front Panel "Repeater Enable Control"
- Variable Level Repeat Audio Path

Compatible with Rapid Call Signaling Complete Package Requires the Addition of:

- 2 PRO Series Mobile Radios
- Duplexer

Duty Cycle to Duplexer

SPECIFICATIONS	Repeater
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	Low Power Mode	25 W VHF)	
	High Power Mode	50% (45 W VHF)	
	Primary Input (Selectable)	115 / 230 50-60 Hz	
08.	Digital RF Meter		02 nos.
09.	Automatic Charger with power supply input 230v output 13.5 v		48 nos.
	DC		40 1108.
10.	SMF Battery 12 v DC AHC-65		20 nos.
11.	Hand Held Battery Charger		15 nos.
12.	VHF Sets Spare battery		15 nos.
13.	Analog RF Meter		02 nos.
14.	Digital Multimeter		05 Nos.
15.	12 v DC eliminator (heavy duty) input 230v output 13.5 v DC / 24		10 200
	v DC	_	10 nos.