

**U.T. Administration of  
Daman & Diu AND Dadra & Nagar Haveli  
(Police Department)  
DAMAN**

No. DIGP/DD-DNH/Digital Trunked Radio (TETRA) System/101      Dated:      23 /02/2009

**OPEN TENDER NOTICE**

The Deputy Inspector General of Police Daman, Diu and Dadra and Nagar Haveli, Daman invites sealed tender on behalf of President of India for Supply, Installation, Integration and Commissioning of Digital Trunked Radio (TETRA) System for Daman, Diu and Dadra & Nagar Haveli Police Communication System as per description given below from the manufacturer / authorized dealers in India on or before **16/03/2009 at 15.00 hrs.**

S. No.	Item	Qty
1	<b>TETRA Portable Subscriber Radios, each with following Accessories (GPS enabled).</b>	<b>100 (Colour display)</b>
a.	Spare Battery	
b	Dual Pocket Charger	
c	Belt Clip	
d	Carrying Case	
e	GPS Module	
f	Manual	
2	<b>TETRA Static Subscriber Radios, each with following Accessories. Minimum 3 Watts</b>	<b>50</b>
a	Handset	
b	Antenna Unit	
c	Connecting Cables	
d	Power Supply Unit	
e	Service Manual	
f	12V 65 AH Battery with Battery Charger	
	Optional: The bidder may also quote for higher wattage indicating the output power rating.	
3	<b>TETRA Mobile Subscriber Radios (GPS enabled), each with following Accessories. Minimum 3 Watts</b>	<b>50</b>
a	Fist Microphone and loudspeaker	
b	Whip Antenna with 3 Mtr. Cable	
c	Power Supply Unit	
d	GPS Module	
e	Radio Modem	
f	Service Manual	
	Optional: The bidder may also quote for higher wattage indicating the output power rating.	

4	<b>DMO Repeater for Mobile</b>	<b>50</b>
5	<b>DMO Repeater for Handheld</b>	<b>30</b>
6	<b>Switching Unit at Local Base Station</b>	<b>01</b>
a	Standard Cabinet	
b	Interfaces to connect to BTS	
c	Interface to Network Management System	
d	GPS antenna	
e	Power Supply Units AC/DC	
f	Software	
7	<b>Network/ Subscriber Management System based on FCAPS Model</b>	<b>01</b>
a	Software license	
b	PC Hardware & Software	
8	<b>Interface/ Gateway</b>	
a	Analog Gateway	<b>3</b>
b	Data Gateway	<b>1</b>
c	EPABX Gateway	<b>2</b>
d	AVL	<b>1</b>
9	<b>Base Station System (with minimum 2 carriers)</b>	<b>2</b>
a	Standard cabinet	
b	Radio transceiver unit (25 W)	
c	Power supply AC/DC	
d	Interface to connect to switching unit	
e	Filter network	
f	Receiver diversity	
g	GPS	
h	Duplexer	
i	Software and basic configuration	
10	<b>Dispatcher Unit ( 2 Line and 1 wireless)</b>	<b>03</b>
a	Dispatcher application	
b	Voice recorder	
c	Data Recorder	
11	Single port Programming kit including laptop to cater for programming of Radio Units (handheld, mobile & static radios).	<b>05</b>
12	<b>Tower</b>	<b>1 No.</b>
13	<b>Antenna Systems</b>	
	<b>For Silvassa Site</b>	<b>Omni type 360 °</b>

	<b>For Daman Site</b>	<b>Sector type 360 °</b>
14	<b>Technical Manual for Portable Subscriber Radios</b>	<b>05 Nos.</b>
15	<b>Technical Manual for Static/Mobile Subscriber Radios</b>	<b>05 Nos.</b>
16	<b>Spares &amp; Redundancy</b>	
a	Handheld	5
b	Battery	10
c	Handheld Charger	5
d	Static: Transceiver	1
e	Mobile Transceiver	2
f	Fist Microphone	3
g	Speaker	3
h	Gateway card	1
i	Base station carrier	1
j	Base station controller	1
17	<b>License &amp; software of Automatic Vehicle location and Personal location along with necessary client and server application for 500 users. The AVL viewing client functionality shall be implemented in dispatcher.</b>	<b>500</b>
18	<b>Site preparation including Shelter and Air conditioners (Each site with minimum two (2) no.'s of window AC each of 1.5 ton with one in standby mode)</b>	<b>2 Sites</b>
19	<b>G.HSDSL Modems</b>	<b>6 Nos.</b>
19	<b>Power Arrangement</b>	
a	DG Set – 10 KVA (minimum) for Central Site	01
b	DG Set – 6 KVA (minimum) for Base Station Site	2 Nos.
c	UPS – 6 KVA (minimum) for Central Site with one hour back-up	01
d	UPS – 2 KVA (minimum) for Base Station Site with one hour back-up	2Nos.
20	<b>Microwave connectivity for connecting Radio base station site with central site</b>	<b>2</b>
21	<b>Special Maintenance Equipment like RCTS. (The equipment should be able to test parameters of TETRA system as well as microwave link.)</b>	<b>1 No.</b>
22	<b>Arrangement for charging minimum 10 TETRA handheld radios simultaneously</b>	<b>1 Set per Police Station</b>

**Terms and Conditions: -**

1. The tender will be in two packet system i.e. Packet 'A' containing technical bids and Packet 'B' containing price/financial bids. Both shall be in separate sealed envelopes specifically super scribed as Technical Bids & Price Bids. Both envelop should be kept in one envelop duly sealed.
2. Price Bids will be opened only after confirmation of Technical Bid.
3. Tender document along with Technical Specification are available in the Office of the Deputy Inspector General of Police, Daman, Diu and Dadra and Nagar Haveli, Daman on payment of Rs. 5000/- Non Refundable by cash up to **13 /03 /2009 at 14.00 hrs.**

4. The Complete Tender document is available on the websites namely <http://www.daman.nic.in> , <https://www.dnh.nic.in> . Interested Tenderer can download the tender document from the websites for the purpose of submission of his Tender. However the Tenderer is required to pay **Rs. 5000/-** (Rupees Five Thousand only), Non-Refundable, through Demand Draft only, drawn on any nationalized bank at Daman, in favor of Deputy Inspector General of Police, in a separate envelope along with the Tender security (Part – I).
5. A pre-bid meeting for query/clarification, suggestion will be held on **05/03/2009 at 1130 hours** at the office of DIG/Police, Daman & Diu and Dadra & Nagar Haveli, Panch Rasta, Nani Daman, Daman. Submission of Queries on tender enquiry document if any should not be later than 04/03/2009 till 1700 hours through e-mail( [pcrdamandiu@yahoo.co.in](mailto:pcrdamandiu@yahoo.co.in) )
6. The sealed tender address to the Deputy Inspector General of Police Daman, Diu & Dadra and Nagar Haveli, Daman-396 210 should reach him on or before **16/03/09 up to 15.00 hrs.** by courier/R.P.A.D. the cover should be super scribed as **“Supply, Installation, Integration and Commissioning of Digital Trunked Radio (TETRA) System for Daman, Diu and Dadra & Nagar Haveli Police Communication System” DUE DATE -16 /03/ 2009**
7. The document attached along with the tender shall be duly attested.
8. The technical bids shall be opened on the same day i.e. on **16/03/2009 at 16.00 hrs.** in the presence of representative of tenderer if available at the above venue.
9. All the technical qualified participants will be invited to demonstrate their technical competency in actual environment in Daman and Dadra & Nagar Haveli on 17.03.2009, if required. Therefore, all participants of technical bids must prepare for actual demonstration of their equipment on 17.03.2009 in Daman and Dadra & Nagar Haveli.

**(Tajendra Singh Luthra) IPS**  
Deputy Inspector General of Police,  
Daman, Diu and Dadra and Nagar Haveli,  
Daman.