

Syllabus of Re-Tender

Bid Reference: **R-77(E-H/D Batts)/11-12**

Date: Dehradun: Nov. ,2011

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Chapter –First

Bid Reference: **R-77(E-H/D Batts)/11-12**

Date: Dehradun: Nov. ,2011

**Govt. of Uttarakhand
Office of Director General of Police
Police Headquarters, Uttarakhand
12,Subhas Marg, Dehradun.**

**Ph . No.0135- 2712685/2735141
Fax No. 0135-2712080/2733127
Web Site:-www.uttarakhandpolice.com**

On behalf of the Governor of Uttarakhand , tenders are invited for the supply of the Lead Acid Battery for the police Department of Uttarakhand.

Note:- Tender is restricted to actual Manufacturing company or their authorised dealers only. Documentary proof, duly attested in support of being a manufacturing company or authorized dealer certificate copy must be submitted along with the tender from.

The tendering firms are requested to submit their **sealed offer in two parts: "Technical Bid" and "Financial Bid"**. The technical offer and financial offer are to be submitted simultaneously in two separate sealed envelopes clearly super scribed 'Technical Bid' and 'Financial Bid' in bold letters. Tender no. and date of the tender should also be mentioned clearly on the top of the outer cover. In financial offer, the bid amount should also be written in words.

1. Last date for receipt of tender	: November 28, 2011 upto 1400 hrs
2. Opening of Technical Offer	: November 28, 2011 1600 hrs
3. Demonstration of Equipment	: November 29, 2011 1100 hrs onward
4. Opening of Financial Offer	: after Demo Reports

(Tender document may be obtained/submitted at Police Sanchar Hqrs Jakhan, Dehradun on any working day.)

Tenderers should note if the date of tender opening (or date upto which offer is to remain open) is declared a closed holiday by the Govt., the tender shall be opened on the next working date (Offer shall remain open for acceptance till the next working day).

Chapter –Second

- 5. Tender Fee:** Tender forms can be obtained from the Police Sanchar Bhawan Jakhan Uttarakhand, Dehradun on payment of tender fee for each item by cash or D.D. in favour of I.G.(PHQ), Dehradun on all working days between 1000 hrs to 1700. Tender form downloaded from Uttarakhand Police website will also be allowed. In this condition, D.D. of tender fee should be attached with technical bid.
- 6. Specification:** Detailed specifications can be obtained from Police Sanchar Hqrs Jakhan, Dehradun . Specification will also be placed on our website www.uttarakhandpolice.com
- 7. Validity** of offer – **180** days.
- 8. Financial Offer:** Tendering firms are required to quote Rates including all taxes. Rates should be quoted F.O.R. Sanchar Hqrs Dehradun. The rate should be written in the prescribed form (Price bid) given with Tender Form. The rates should not be flashed in technical bid.
- 9. Delivery Period:** The Materials shall have to be delivered within delivery period as mentioned in order, failing which penalty shall be imposed@1% per week subject to maximum 5 % on delayed portion of the order valued.
- 10. Earnest Money:** All Tendering firms are required to submit Earnest Money in the form of D.D/F.D.R only (valid for not less than six months) pledged to I.G. HQ Uttarakhand, Dehradun. The FDR of earnest money shall be enclosed along with the technical bid, except for those who are exempted under specific rules or laws.
- 11.** Acceptance of tender document through by post is admissible if received in time on prescribed date.
- 12.** Tenders presented not as per the terms and conditions shall be rejected.
- 13. Demonstration:** Item (One sample Battery) offered will be demonstrated by technically qualified bidders only at Police Sanchar HQRs, Jakhan , Dehradun on prescribed date **with Lab. test report (Nationalised Test Laboratory specified as appendix-P is preferred.)** Only in respect of Items found suitable by authorized Technical Committee, the Financial Offers will be opened.
- 14. Past performance:** Tendering firms are required to give their past performance report (the order of such items to the govt./semi govt. department.)
- 15. Payment:** 100% payment will be made after **testing report of laboratory** and verification/inspection of consignee workshop/stores .
- 16.** The tenderer will specify after sales service clearly in the bid. Frequency of routine maintenance during warranty period (Should not be less than 1 ½ years from date of purchase/supply) and breakdown maintenance should also be clearly specified. This period shall include maintenance, replacement, of the contractor and attending to emergency calls at short notice. All types of maintenance work will be carried out by the firm as free of cost during warranty period .
- 17.** Manufacturer should have ISO 9001 & ISO 14001 certificate & should submit along with the tender.

- 18.** The tenderer is required to submit technical/chemical datasheets of products and maintenance manuals of products. Technical bid without these documents shall be considered incomplete and will be rejected.
- 19.** Unless the last date for supply of stores is specifically extended by the purchaser, the supply order is liable to be cancelled after the expiry of stipulated period without any liability on the part of the Police Headquarters. In case the tenderer experiences some genuine problem in supplying the stores within the stipulated period, they are advised to promptly seek extension of delivery period, which may be allowed at the sole discretion of the purchaser.
- 20.** Liquidated damages may be imposed for defaults/inordinate delays on the part of the supplier who is also liable to be blacklisted.
- 21.** Security Money to the tune of 10% of the total cost of stores shall be submitted in the form of FDR only pledged in favour of IG (PHQ), Dehradun within Fifteen days from the date of issue of supply order. This will be released after successful completion of warranty period.
- 22.** Tenderers are required to submit valid Trade Tax Registration No. as where firm is situated & PAN account of the Firm/dealer.
- 23.** The tenders are required to enclose self-addressed registered stamped envelope along with their technical offer.
- 24.** Tenderers are advised to go carefully through the tender conditions and instructions and ensure compliance before submitting their tender. Conditions other than those mentioned in the tender notice shall not ordinarily be acceptable and such offers may be ignored.
- 25.** No representation shall be accepted after opening of financial offer.
- 26.** All the tendering firms are advised to give Name & Designation of the person signing the tender form.
- 27.** The Director General of Police may increase or decrease up to 50% of total quantity to be purchased.
- 28.** The Director General of Police Uttarakhand is empowered to accept or reject any tender without assigning any reason.
- 29.** All Tendering firms should fill in point wise (as per tender specifications) compliance report with reference to all products quoted with certificate of standards.
- 30.** The successful bidder whose offer is accepted shall have to execute an agreement on a Non-Judicial stamp paper of Rs.100/- within 10 days of the receipt of written order
- 31.** Governing Law: This Contract including the Contract Documents shall be governed by and constitute in accordance with the laws of India and the Dehradun Courts shall have jurisdiction in this regard.
- 32. GURANTEE/WARRANTY CLAUSE:**
The Lead Acid Battery shall carry a warranty of 1 ½ years from the date of receipt by the consignee or 20 months of the date of dispatch, whichever is earlier.

33. TURNOVER, DUTIES & TAXES:

The tenderers should provide the details of their turn over not less than one 50 lacs per financial year and the Excise Duty paid by them in the last three financial years with certificate from competent authorities.

34. SALES TAX AND LOCAL TAXES

Tenderer should indicate whether the prices quoted are exclusive or inclusive of sales tax. They should indicate the rate(s) of Local Sales Tax as well as Central Sales Tax with and without concession Forms.

35. Testing reports from Nationalised Govt. Laboratories/DGS&D QA (list of laboratories in Appendix -P)

36. TRANSIT INSURANCE, RECEIPT OF STORES & NOTIFICATION OF DAMAGES AND LOSS, IF ANY:

Tenderer is responsible for Transit Damage. Consignee to notify Transit Damage/Loss if any within 45 days of arrival of stores at destination.

Deputy Inspector General(Police Telecom)
Police Sanchar Headquarters
Dehradun

CHECK LIST FOR TENDERERS/BIDDERS

Tenderers are requested in their own interest to check the following before they submit their bids: -

1	Earnest money deposit enclosed D.D./F.D.R No.	Weather attached	
2	PAN Account No. of the Firm.	Yes	No
3	Valid Sales Tax registration certificate as where Firm situated	Yes	No
4	Terms of Delivery at F.O.R.	Yes	No
5	Has the shortest delivery period been indicated	Yes	No
6	Have you agreed the validity of offer	Yes	No
7	Confirmation about availability of testing facilities as stipulated in the specifications/ tender enquiry?	Yes	No
8	Acceptance of all terms and conditions of Tender Enquiry including payment terms, Guarantee/ Warranty	Yes	No
9	Attached Duly signed copy of tender document.(Authorised signatory)	Yes	No
10	Have you enclosed the following documents?		
(i)	Technical compliance statement in the prescribed format with the details of deviations?	Yes	No
(ii)	Photocopy of OEM Registration Certificate/Authorised dealership certificate .	Yes	No
(iii)	Performance Statements duly vetted	Yes	No
(iv)	Have you enclosed authorization certificate from OEM for supports the repair / spares/accessories in warranty period.	Yes	No
(v)	Have you enclosed Authorised Service Centres lists in India	Yes	No
(vi)	Copy of BIS License (if applicable)?	Yes	No
(v)	Copies of testing reports of authorised govt. laboratories/Testing reports of DGS&D Inspections	Yes	No
11	Special Documents for Fully Imported Stores (If applicable).Have you enclosed following documents?		
(i)	Number of Demand Draft/F.D.R a. Tender Fee-(with 12.5% of VAT) b. Earnest Money-(Validity not less than six months)	Cash -	Draft/ F.D.R
12	Whether training confirmed (if applicable)	Yes	No
13	Whether installation and commissioning confirmed? (if applicable)	Yes	No
14	Whether Net Dealers price (NDP) duly certified by auditor quoted in the price bid? (if applicable)	Yes	No
15.	I/We have read term & conditions and agree it.	Yes	No

PLEASE NOTE THAT NON-SUBMISSION OF THE ABOVE INFORMATION/DOCUMENTS MAKES THE OFFER LIABLE TO BE IGNORED WITHOUT ANY FURTHER REFERENCE TO THE BIDDER.

Signature of Authorised persons of the Firm

Stamps of Firms

Chapter –Third

Sl No.	Name of article	Quantity	Tender Fee + VAT 12.5% extra	Earnest Money
1.	12Volt/120 AHC Heavy Duty Lead Acid Battery	250	Rs. 750/-+Vat	45000/-

(Specification of equipments is available with the tender forms Annexure-C)

Chapter –Forth

Annexure-“C”

SPECIFICATIONS OF 12 VOLT/120 AHC LEAD ACID LOW MAINTENANCE BATTERY

- 1- Filled/Charged lead-acid storage battery for motor vehicles voltage and capacity at **20 hour rate of discharge at 27 degree celcius.**
- 2- Battery should have strong durable container with versatile Multi /mono Lid designed
- 3- Special grid mesh designed to hold the active material firmly in place to give outstanding power and life.
- 4- Battery should meets **Indian Standard 7372-1974/1995** and conforming to **IEC 95-1**
- 5- Battery should not be **reconditioned in case of lead & unbreakable container.**
- 6- Manufacturer will also produce a **certificate** in reference with 99.9% **purification of lead** from Hindustan Zinc Limited & **unbreakable container.**
7. Tenderer /Supplier shall **submit the complete and satisfactory Type Lab Test Reports for the Models/ratings/quality with technical bids and technical committee at the time of demonstration/inspection. The type test reports shall be from any recognized/authorized Govt Laboratory as per Annexure “ P ”is preferred.**
8. 12Volt/120 AHC ,Complete type Test report as per T/E specification for one rating of battery can be considered applicable for other rating/size of the same type of battery where sizes and type of plates used are identical and AH capacity per pair of plates as well as electrolyte volume per AH are same or better from the rating type tested. Such supplier shall furnish details of type and number of negative and positive plates and electrolyte volume for battery to be considered and batteries type tested along with the corresponding calculation for per pair of plates and electrolyte volume per AH.

Desired Battery:-

12V/120 AHC with 20 hrs ratings at 27°C.

Battery

A battery consists of six/three elements connected in series and housed in a plastic mono block container. Each element consists of a +ve plate, a -ve plate and separators. The lid shall be of one piece construction sealed to the container by heat sealing or ultrasonic sealing or by adhesion with sealing material with one positive and one negative terminal.

MATERIALS, CONSTRUCTION AND WORKMANSHIP:

Container and Lid.

The container and lid shall be of plastic, such as polypropylene, ABS, etc, conforming to IS 1146: 1981.

Separator

Separators shall be envelope type, with glass mat conforming to IS 6071: 1986.

Sealing Material

The Lid shall be sealed to the container by heat sealing or by ultrasonic welding as per IS-3116-2002 or by addition of Sealing material with one + ve and one – ve terminal .Sealing material employed shall be an acid resistant adhesive.

Terminals.

The terminals shall be made of lead alloy and shall conform in shape and dimensions to Table II.

Lead Alloys and Active Materials: Lead alloys used shall not contain impurities in excess of those shown below. Reclaimed lead if used shall be refined, to a degree of purity equivalent to the minimum required for alloys. Active material shall be prepared from the best grade Lead Oxide suitable for the performance of the battery. The inspectors may test for absence of impurities beyond the limit given.

Specification of impurities and free lead in lead sub oxide shall be as below. A typical limiting percentage % of impurities in lead sub oxide is shown below:

Element	Maximum Percentage
Iron	0.002
Antimony	0.00 1
Arsenic	0.0001
Bismuth	0.030
Copper	0.002
Silver	0.00 1
Tin	0.001
Zinc	0.001
Nickel	0.0001

Sum of all these impurities may not exceed 0.04 percent, when analysed in accordance with IS : 403-1996 or by spectra-photometric method.

Dimensions of Tapered Terminals

Terminal Type	Dimensions of D (mm)		Types
	(+)	(-)	
Standard	19.5 + 0 -0.3	17.9 + 0 - 0.3	12 V 120 AH

Note:- Tolerance on D may be taken as +/- .03mm at present

General Construction Requirements : The batteries consists of six elements, connected in series and in housed in a plastic monobloc container. Each element consists of + ve plate , - ve plate and separators. The construction of batteries and the choice of the materials used therein shall be governed by consideration of the preference required.

Battery containers and Cell Lids: Normally materials for a particular type of battery container and cell lids shall be of Polypropylene. The material shall comply with the requirements of IS 1146. The material must resist action by sulphuric acid and shall not liberate any substance which will contaminate the electrolyte and impair the life and efficiency of the battery. The material must be capable of withstanding temperature between minus 30 deg C to plus 75 deg C.

Connecting bars and Terminal posts : Connecting Bars and terminal posts must be made of antimonial Lead or antimonial lead coated brass or copper.

Packing material : The packing material for crates, trays and cases, if required, shall be of appropriate strength and Quality.

Phenolic moulding material when used shall comply with the requirements of IS : 1300/94

Components parts and Assembly: The materials, constructions, dimensions and finish of the components shall be as per the relevant detail specification/drawings. General requirement and their assembly shall be governed by the following :-

a) Grid Plates : Plates shall not be used which have missing pellets of active material. It will be verified during assembly that all plates of a group are of the same polarity. Plates shall be of the number, thickness size and weight necessary for specified performance and shelf life.

b) Inter cell connectors: The inter cell connector shall be of lead alloy. They shall be of such cross section so as to conduct the current flow during High Discharge tests safely. It should be free from the blowholes and other deterioration.

c) Containers: Containers shall not be scarred, clipped, cracked, or distorted. The surfaces shall have a smooth finish being free from blowholes, rough spots, blisters, other flaws or defects.

d) Elements: The place elements when assembled in the containers, shall be so close fitting that the end plates are firmly supported. The element should not come out even if the container is inverted after assembly.

e) Terminal : The terminals shall be of the type required by the drawing, battery terminal post will be tapered and of a section to suit the cable connectors. The indication of polarity + and – OR “P” and

“N” shall be clearly moulded/punched on the upper surface of the terminal posts and finished with RED and BLUE paint over it, as shown below:-

All terminals shall be correctly and securely positioned. They shall be free from corrosion surface irregularities or other defects which should impair their contact making properties.

POSITIVE TERMINAL
+ or P

NEGATIVE TERMINAL
- or N

g) Vent plug : Vent plugs shall be of the anti splash/ non spill able/semi non spill able type with more than one exit hole and shall allow the gases to escape freely.

CONSTRUCTION

The design of the battery shall aim at the following:-

- (a) Minimum mass/volume to Ah capacity ratio (Optimum energy density).
- (b) Capability to withstand possible physical and electrical abuses under field conditions.
- (c) Essential electrical performance characteristics like long Shelf life, good charge retention, long life cycle and excellent reliability with least maintenance.
- (d) Capability for storage, transportation, handling and operations under wide range of climatic conditions.
- (e) Capability to accept charge from existing service chargers with minimum technical supervision.

DIMENSIONS AND TOLERANCE

The overall dimensions of the battery and tolerance shall be as specified in the relevant drawing. Capacities, overall dimensions and mass (with electrolyte of 1.280 + .01 specific gravity at 27°C) . In case tolerances are not specified in the drawing then they shall conform to tolerances as per IS 2102.

WORKMANSHIP AND FINISH

All parts shall be manufactured and assembled in accordance with the latest engineering techniques and with excellent workmanship.

The hardware items like terminals, studs, inter cell connectors, fasteners, etc. shall be protected against corrosion.

The battery container shall be of plastic material and shall be acid resistant/self extinguishing type conforming to IS 14257.

The cell assemblies shall be tightly packed inside the outer case of the battery so that there is no relative movement and the cells are adequately protected on all sides from mechanical shocks.

The Batteries should give good performance in the temperature range from -30°C to +50°C. Storage in the temperature range from -30°C to +70°C shall not affect the battery.

Chapter –Fifth

Financial Bid:-

SCHEDULE OF RATE

Sl. No.	Name of Items	Quantity	Unit Price (Inclusive all Taxes)	Taxes/duty Excise , Sales/VAT Etc.	Make/ Model/ Brand/	Total Amount
1.	12Volt/120 AHC Heavy Duty Lead Acid Battery	250				

In words also.....

Warranty period-----

All rates are f.o.r. Dehradun.

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Chapter –Sixth
CONTRACT/AGREEMENT FORM

THIS AGREEMENT made theday of..... 20...Between..... (Name of purchaser) of (Country of Purchaser) (Hereinafter called "the Purchaser") of the one part and (Name of Supplier) of (City and Country of Supplier) (Hereinafter called "the Supplier") of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., (Brief Description of Goods and Services) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of (Contract Price in Words and Figures) (Hereinafter called "the Contract Price)".

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
 2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) The Bid Form and the Price Schedule submitted by the Bidder;
 - (b) The Schedule of Requirements;
 - (c) The Technical Specifications;
 - (d) The General Conditions of Contract and restrictions;
 - (e) The Special Conditions of Contract; and
 - (f) The Purchaser's Notification of Award.
 3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein inconformity in all respects with the provisions of the Contract.
 4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
- Brief particulars of the goods and services which shall be supplied/ provided by the Supplier are as under:

SL. NO.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS
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TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the
said (For the Purchaser)
in the presence of:.....

Signed, Sealed and Delivered by the
said (For the Supplier)
in the presence of:.....

Chapter –Seventh

Annexure ‘P’

List of approved laboratories:-

1.	National Physical Laboratory, Delhi	M,C,E,P,L, ET
2.	National Test House Kolkata, Ghaziabad, Chennai, Mumbai	M,C,E,P,L,NDT, ET
3.	National Metallurgical Laboratory, Jamshedpur	C,M,NDT
4.	Central Pulp and Paper Research Institute, Saharanpur	M
5.	SAMEER, Chennai	L
6.	ERTL, Kolkata, New Delhi, Mumbai	L
7.	CIPET, Bhopal, Bhubaneshwar, Chennai, Lucknow, Mysore	C,M
8.	CPRI, Bangalore, Bhopal, Hyderabad	E,M,C
9.	Central Fuel Research Institute, Bilaspur	C
10.	Central Glass Ceramic Research Institute, Kolkata	C,M
11.	Central Instt. for Research on Cotton Technology, Mumbai	C,M
12.	Central Instt. of Testing Laboratory, Ghatkesar, A.P.	C,E
13.	Central Silk Technical & Research Instt., Bangalore	C,M
14.	CEPC Laboratory & Technical Division, Kollam	B,C
15.	CETL, Kakkalur	E,P
16.	CFSL, Hyderabad	F
17.	CFTRI, Mysore	B,C
18.	CIRT, Pune	E,P,C,M
19.	ARAI Pune	M
20.	VRDE Ahmednagar	M
21.	Defence Laboratory, DRDO, Jodhpur	R
22.	Regional Testing Centre, Tirupur, New Delhi, Mumbai, Kolkata	C,M
23.	ETDC, Bangalore, Chennai, Jaipur, Mohali	L
24.	E.P.T.R.I. Laboratory, Hyderabad	C
25.	EQDC, Gandhinagar	E,L,M
26.	ERDA, Vadodara	E,L,M
27.	Bureau of Indian Standards (NRL), Mohali	C,E,M
28.	Bureau of Indian Standards (WRO), Mumbai	C,M,E
29.	Central Lab. BIS, Sahibabad	B,C,M,E
30.	Regional Lab Textile Committee, New Delhi, Bangalore, Cannore, Chennai, Coimbatore, Karur	C,M
31.	Bombay Textile Research Association, Mumbai	C,M
32.	Textile Committee Lab., Mumbai	C,M
33.	Shriram Instt. for Indl. Research, Bangalore	B,M,C,E
34.	Shriram Instt. for Indl. Research, Delhi	B,M,C

Abbreviation used:-C = Chemical, M = Mechanical, E = Electrical, T =Thermal, B = Biological, FF = Fluid Flow, P = Photometry, L = Electronics, NDT = Non Destructive Testing, R = Radiological, ET = Electro-technical.