



**GOVERNMENT OF KERALA  
POLICE DEPARTMENT**

Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2722566

Fax: 0471- 2722566

e-mail: [aig2phq.pol@kerala.gov.in](mailto:aig2phq.pol@kerala.gov.in)

[www.keralapolice.gov.in](http://www.keralapolice.gov.in)

**H7/51722/2020/PHQ**

Dated: 28/04/2020

**e-Government Procurement (e-GP)  
NOTICE INVITING TENDER**

The State Police Chief, Kerala Police Department, Government of Kerala invites online bids from reputed manufacturers/ authorized dealers or reputed vendors for the **SUPPLY OF DEEP SEARCH METAL DETECTOR/MINE SWEEPER**. The bidders should comply with the following general conditions in addition to the additional conditions of the instant tender.

**General**

1. The Bidder should be a reputed Original Equipment Manufacturers (OEM) or authorized dealer of OEM, who is having an Authorization Certificate from the OEM to participate in the tender floated by Kerala Police. Certificate from the OEM for sales and service, to be produced.
2. One bidder can not represent two suppliers/OEMs or quotes on their behalf in a particular tender.
3. The OEM/Bidder should have a well equipped service centre functioning in India (preferable in Kerala) to cater to immediately after sales requirement; copy of Service Centre details must be enclosed along with Tender document. (Preferably bidder should have a Service Centre in Kerala/South India).
4. A reputed vendor can participate in the tender provided the vending outfit is functioning in the market for at least 5 years.
5. The Bidder should have valid GST registration. Copy of GST registration certificate should be enclosed along with the tender.

6. The bidder should have valid PAN/Taxation Index Number. Copy of PAN/Taxation Index Number allocation letter should be enclosed along with the tender.
7. The Bidder must fulfil the following minimum qualification criteria to prove the techno-commercial competence and submit the documents in support thereof:
  - a). Valid Authorization letter from the OEM to attend this particular Tender.
  - b). Certificate of Registration/Incorporation Certificate of the Bidder.
  - c). Last 3 year's financial status of the Bidder's/P&L and Balance Sheet/audit report of last 3 years.
  - d). The bidder (authorized dealer/distributor) should have the dealership/distributionship for at least 3 (three) continuous consecutive years with the OEM.
  - e). The Bidder has to submit a letter specifying the warranty period.
  - f). In case of a propriety item, a certificate by the OEM to be attached.

|   |  |   |
|---|--|---|
| 1 | Tender No. & Date                                | KPET/38/2020/PHQ Dated 28.04.2020   |
| 2 | Item   | <b>SUPPLY OF DEEP SEARCH METAL DETECTOR/MINE SWEEPER</b>  |
| 3 | Quantity   | 3 Nos.  |
| 4 | Estimated Amount                                 | <b>Rs. 12 Lakhs</b>   |
| 5 | Tender Fees (through online mode only)           | Rs. 2,250/- (Rupees Two thousand two hundred and fifty only) (GST extra)<br>18% GST amount on tender fees mentioned above shall be paid to GST Department directly by the bidder. |
| 6 | Earnest Money Deposit (through online mode only) | Rs. 12,000/- (Rupees. Twelve thousand only)   |
| 7 | Specifications                                   | Attached in tender document   |

|    |  |   |
|----|--|---|
| 8  | Date and time of publication of e-Tender                                 | 29/04/2020, 06:00 PM  |
| 9  | Date of submission of e-Tender   | 29/04/2020, 06:00 PM To<br>16/05/2020,12:00 NOON  |
| 10 | Last date and time for online submission of e-tender                     | <b>16/05/2020, 12:00 NOON</b>   |
| 11 | Date and time of opening of e-Tender                                     | 18/05/2020, 3:00 PM   |
| 12 | Place of opening   | Police Headquarters,<br>Thiruvananthapuram  |
| 13 | Date, Time and Place of Technical Evaluation                             | <b>21/05/2020</b> , 10.30 AM,<br>Police Headquarters,<br>Thiruvananthapuram   |
| 14 | Bid Validity (Total Number of Days up to which the rates are to be firm) | 180 days  |
| 15 | Warranty & AMC   | Five years warranty. Charges for AMC/ATS for a period of three years after warranty period should be quoted in the financial Bid.   |
| 16 | Address of Tender Inviting Authority                                     | State Police Chief, Kerala,<br>Vazhuthacaud,<br>Thiruvananthapuram - 695010<br>Ph: 0471-2722566<br>Mobile No. 9497996998<br>Fax: 0471-2722566<br>e-mail: aig2phq.pol@kerala@gov.in<br>Website: <a href="http://www.keralapolice.gov.in">www.keralapolice.gov.in</a> |

**8. Mode of submission of bids: - Online.** All Bid documents shall be submitted only in online procedure through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) in their designated online covers. Details of covers are given separately. No other mode of submission shall be accepted and such tenders will be rejected outright.

**9. Cover details: -** No. of covers - 2. i) Technical Bid ii) Financial Bid. The AMC/ATS after warranty period also to be quoted in the Financial Bid. In the case of Foreign Equipments, the rate must be quoted in Indian Rupees. The documents to be uploaded under each online covers are specified in the website.

**10. Downloading of e-Tender documents:** - The tender document can be downloaded from the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) from the date and time of publication of e-tender onwards to last date and time for online submission of e-tender. Downloading of tender documents will not be possible after the date specified above.

**11. Submission of e-Tender documents:** - The digitally signed tender document and other specified documents shall be submitted online through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) well in advance before the last date and time mentioned above. No submission shall be allowed after the last date mentioned above.

**12. Payment of Tender Fees:** - A non-refundable tender fee shall be paid in online mode through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) at the time of bid submission. No other mode of payment shall be accepted. **THE TENDERS OF BIDDERS WHO DO NOT REMIT FEES THROUGH ONLINE WILL BE REJECTED OUTRIGHT.**

**13. Payment of Earnest Money Deposit (EMD):** - The EMD shall be paid in online mode through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) at the time of bid submission. No other mode of remittance shall be accepted.

**14. Exemption from payment of EMD:** - Bidders who are registered with Store Purchase Department, Kerala or National Small Scale Industries Corporation Ltd., New Delhi (for the items tendered) are exempted from submission of EMD. Those bidders claiming exemption shall submit valid registration certificate from the SPD, Kerala or NSSIC, New Delhi.

**Tenders of bidders who do not remit EMD online or do not upload documental proof (digitally signed) for exemption of EMD will be rejected outright.**

**15. Withdrawal and re-submission of e-Tender:** - The Bidders are at liberty to withdraw the submitted tender/documents and to submit fresh tender/documents till the last date and time of submission of the e-Tender after which withdrawal/re-submission will not be allowed.

**16. Opening of e-Tenders:** - The bids shall be opened online through the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) at the Police Headquarters, Vazhuthacaud, Thiruvananthapuram on the date and time mentioned above in the presence of the Bidders/ authorized representatives who wish to attend at the above address. If the tender opening date happens to be a holiday or non-working day due to any valid reason, the tender opening process will be done on the next working day at the same time and place specified. Any change in the opening date/time/venue due to other reasons shall be informed by way of Corrigendum published in the e-GP website. The Technical Bids will be evaluated by a Technical Evaluation Committee and those that do not conform to the specifications or to the satisfaction of the Committee will be rejected. The financial bids of the Technically qualified Tenderers only will be considered for opening. The date of opening of financial Bids will be intimated to the concerned technically qualified tenderers, over phone/Fax/e-mail. This will be with in 7 to 10 days of evaluation of technical bid.

**17. Technical Evaluation:** - All tenderers who quote for the supply of above equipment are required to be ready for live demonstration to be held in the Conference Hall of the **Police Headquarters, TVPM on 21.05.2020 at 10.30 AM (or any other venue which will be intimated in due course). In the**

**event of firms not able to show live demonstration, they need to convince the Technical Evaluation Committee about such inability and resort to documentary/power point presentation with original product brochures/CDs/scale models/ videos/ slide shows etc. to the utmost satisfaction of the Technical Evaluation Committee.** Any clarification/doubts regarding the specification or related matters pertaining to the items tendered may be freely got cleared through **Inspector, BDDS - 0471-2721547 or 09497987474.**

**18. All Bidders who participates in e-tender should produce hard copies of all relevant documents related to e tender at the time of technical evaluation, without fail.**

**19. Note to Bidders:**

- i) Bidders have to procure legally valid Digital Certificate (Class III) as per Information Technology Act, 2000 for digitally signing their electronic bids. Bidders can procure the same from any of the license certifying authority of India. For more details, please visit the e-GP website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in).
- ii) Bidders are advised to note the Tender\_Id and Tender No. & Date for future reference.
- iii) All uploaded documents should contain the signature and the office seal of the bidder/ authorized persons and should be digitally signed while uploading. Documents uploaded without digitally signing shall entitle rejection of the tender.
- iv) In the case of Foreign Equipments, the rate should be quoted in Indian Rupees. Preference will be given to those who are ready to supply the item without opening Letter of Credit. Ordinarily, no advance payment will be made for procuring the above item. In case advance payment has to be made, a clear case has to be made out by the Tenderer. However this will be only on extraordinary circumstances.
- v). For obtaining Digital Signature Certificate and help on e-tendering process, contact Kerala State IT Mission, e-Government Procurement PMU & Helpdesk, Basement floor of Pension Treasury Building, Uppalam Road, Statue, Thiruvananthapuram; Ph: 0471-2577088, 2577188; Toll free no: 18002337315; e-mail:[etendershelp@kerala.gov.in](mailto:etendershelp@kerala.gov.in); Website: [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) on all government working days from 9:30 am to 5:30 pm.
- vi) The State Police chief is empowered to reject any tender without assigning any reason.
- vii) For any clarifications regarding the terms and conditions in this tender notice or the tender document, please contact Additional Asst. Inspector General of Police, , OR Senior Superintendent H Branch, Police Headquarters,

Vazhuthacaud, Thiruvananthapuram – 10 on all Government working days from 10:30 am to 5:00 pm. Ph:0471-2721547 Fax: 0471-2726945

viii) **Bidders who are using Internet Banking are requested to make online payment 72 hours in advance.**

**NOTE: - BIDDERS ARE ADVISED TO GO THROUGH THE CONDITIONS IN THE NOTICE INVITING TENDER AND THE TENDER DOCUMENT CAREFULLY AND COMPLY THEM TO AVOID OUTRIGHT REJECTION OF THEIR TENDER.**

For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

Sd/-

Additional Assistant Inspector General of Police

For DIRECTOR GENERAL OF POLICE &

STATE POLICE CHIEF, KERALA

# **SPECIFICATION FOR DSMD / MINE SWEEPER**

## **1. Physical Characteristics**

- i. The detector and its accessories should be comfortable for handling.
- ii. Light weight and made of non – corrosive (exceptionally corrosion protected) material, Aluminum, Carbon fiber, Glass fiber etc.
- iii. Material should have proven reliability and durability.
- iv. Complete equipment should be water proof (IP- 67 standard). It should be a single composite unit including the control unit and extension shaft with all cable and connections inside and no connector / cable should be visible outside except headphone connector to avoid any mishandling.
- v. Easy to transport.

## **2. Weight and Dimensions**

- i. Complete operation unit with batteries & search head **3.5 Kgms** (Maximum)
- ii. Bad pack weight of the equipment with search head **5 kgs** (Maximum)
- iii. Total weight of the equipment including all accessories and ruggedized carrying case **12 Kgs** (Maximum)
- iv. Packed length of the equipment should be maximum 700 mm.
- v. Operating Length – (measured from the rear end of arm rest to edge of coil, coil being placed parallel to the shaft). The minimum operating length should be between 700 to 900 mm and the maximum operating length should be in between 1500 to 1700 mm.

3. Search Head - Search head may be in any shape i.e circular or oval.
  - i. The circular search coil should have diameter between 20 cm to 26 cm and oval search coil should have dimensions between 20 cm to 30 cm.
  - ii. Extendable rods with clamps to extend the length of detector.
  - iii. Ruggedized/ replicable protective cover for the search head should be provided.
4. Detection Sensitivity.
  - i. The size and shape of the object with which the tests will be conducted are as under :-
    - a. 0.15gm metal – 1 inch X 1 inch tin foil
    - b. 50 mm nail – Thickness 03 mm and dia of head 06 mm
    - c. Salty water – 03 gm iodized common salt in 1 ltrs of water
  - ii. The sensitivity of the detector must meet the following specifications:

In free Air :

    - a) 0.15 gm metal – 27 cm
    - b) 50mm nail vertical – 33 cm
    - c) 50 mm nail horizontal – 25 cm

Under Ground

    - a) 0.15 gm metal – 20 cm
    - b) 50mm nail vertical – 28 cm
    - c) 50 mm nail horizontal – 18 cm

In clear water

    - a) 0.15 gm metal – 20 cm
    - b) 50mm nail vertical – 28 cm
    - c) 50 mm nail horizontal – 19 cm



In salty water

- a) 0.15 gm metal – 20 cm
  - b) 50mm nail vertical – 28 cm
  - c) 50 mm nail horizontal – 19 cm
- iii. Detector must be capable of pinpointing detected metal to  $\pm 10$  cm range and will be checked in free air, underground, clear water and salty water. The distance will be taken from the center of the search head to the center of the object.
  - iv. Detection tone should be distinct from the working tone. The instrument should be free from radio and static interference and the equipment should have the radio frequency interference elimination feature and this feature should be independent of Sensitivity button.
  - v. Ground compensation feature should be in the equipment for manual ground compensation by the user if required for any particular soil and this feature should be independent of Sensitivity button.
  - vi. The equipment should have Audio Threshold feature to enable the user to increase or decrease audible response from the target for a better detection of target.

5. Detection Capability:

- i. Very easy and effective searching of large areas.
- ii. Should detect all ferrous and nonferrous metals. There should be different audio tone / pitch of differentiate between ferrous and nonferrous metals.
- iii. Must be capable of detecting buried metals in all types of soil including laterite.

- iv. It should work in all – weather condition from arid to pouring rain.
  - v. Usage time should be minimum 12 hours on rechargeable batteries.
  - vi. Operating temperature : -20° C to +55° C.
  - vii. The equipment should be able to differentially detect two detonators placed at a distance of one ft apart.
6. Control panel and display unit
- i. The integrated unit should have LED display bright enough to be visible in sunlight
  - ii. Visual LED indication must be observable in normal operation of detector with the option to switch off the LED (to work under discrete mode)
  - iii. Display should show signal strength / intensity of metal.
  - iv. It should have visual as well as audio signal for metal detection.
  - v. The control unit should have low battery indication and also audio to enable the user to replace the batteries.
  - vi. The Control Unit should have adequate buttons for volume control, sensitivity control, radio frequency interference elimination button etc.
  - vii. It should have inbuilt speaker as well as provision for headphones.
7. Source of Power :-
- i. When equipment is switched on, battery level status should be displayed / indicated through LED / Audio beeps.
  - ii. The equipment should function properly with commercially available rechargeable as well as alkaline batteries.
  - iii. Two sets of rechargeable batteries with battery charger to be provided with each equipment.
  - iv. The battery usage time should be minimum 12 hours with both type of batteries mentioned above.
- b. ✓

8. Transportation and Storage and Transit
  - i. The detector together with accessories must come in a lightweight, durable, compact soft carrying case, preferably water resistant.
  - ii. A ruggedized carrying case should also be provided for safe transportation.
9. Operational life : - Minimum 8 years.
10. Miscellaneous : The firm should be able to provide the following along with the equipment
  1. Strong sturdy and portable Carrying case
  2. Cleaning kit
  3. Special maintenance tools
  4. Training aggregate – charts, slides, training brochure, training work model, blow up diagram, video films etc.
  5. Physical training in India
  6. Tech manual giving full description of the item
  7. Users handbook and literature on preservation/maintenance (in english)
  8. Procedure for packing, handling/transportation/storage
11. The vendor should impart detailed training free of cost to sufficient personnel at the place(s) specified by the Department.
12. The supplier should have well-equipped office / workshop for maintenance with qualified engineers in repairs/ service. If the equipment needs repairs it should be carried out within 10 days from the date of receipt of intimation.
13. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & E-mail address may be available for confirmations with the OEM about the status of the supplier.

14. Periodical service minimum once in three months during warranty period.
15. Minimum 5 years warranty for the equipment, batteries, charger and for other all accessories.
16. The Firm should provide AMC for a period of 3 years after the warranty period should be enclosed with the tender proposal.
17. AMC should be express as percentage of total product value (TPV) separately for each year of AMC.
18. Tenders will be evaluated based on the net liability to the department which includes Product cost and AMC cost.

  
**ADGP (APB)**  
**Chairman**

  
**SP (IS)**  
**Member**

  
**SP (ICT)**  
**Member**

  
**DC (Sec)**  
**Member**