

INTEGRATED HEADQUARTERS OF MINISTRY OF DEFENCE(NAVY)
DIRECTORATE OF ARMAMENT PRODUCTION & INDIGENISATION, WING 5(FF)
WEST BLOCK V, RK PURAM SECTOR-1 NEW DELHI 110066
PHONE NO: 011-26194649, FAX NO: 011-26194273

OPEN TENDER

TENDER NOTICE NO. API/4163/C-303 BATTERY DATED 31 MAY 18

REQUEST FOR PROPOSAL(RFP) FOR INDIGENOUS DEVELOPMENT AND SUPPLY OF LITHIUM THERMAL BATTERIES FOR COUNTERMEASURE SYSTEM

1. The Principal Director of Armament Production & Indigenisation(PDAPI), Integrated Headquarters of Ministry of Defence (Navy), Wing 5(FF), West Block-V RK Puram, Sector-1, New Delhi 110066 invites RFP for indigenous development and supply of Lithium thermal batteries for Countermeasure systems(Jammer & Decoy) for Indian Navy. Brief technical specification of the batteries are as follows:-

<u>Characteristics</u>	<u>For Jammer</u>	<u>For Decoy</u>
(a) Battery type	Lithium thermal	Lithium thermal
(b) External body	Cylindrical in SS	Cylindrical in SS
(c) External diameter	63mm	63mm
(d) Length	120mm	90mm
(e) Maximum weight	1.2kg	0.8kg
(f) Activation system	Mechanical(Percussion)	Mechanical(Percussion)
(g) Battery power	For the first 120 sec: 1000W For the next 22 min: 50W	50W for 15 min and an additional 100W for 15 min
(h) Battery voltage - Maximum voltage with load - Minimum voltage with load - Maximum voltage without load	70V DC 50V DC 75V DC	
(j) Internal resistance	<0.3Ω	<0.3Ω
(k) Activation time	<2 sec	<2 sec
(l) Storage conditions	(i) 0° to +50°C at 95% RH (ii) Accumulated storage at 35°C to +50°C, ≤30 days in one year.	
(m) Shelf life	Minimum of 20 years	Minimum of 20 years

2. **Eligibility.** Indian firms possessing capability to indigenously design, develop, manufacture, test and supply the above items may respond to this RFP.

3. **RFP and Technical Details.** The RFP along with technical details of items to be developed and supplied will be issued to the firms on written request.
4. **Scope of Work.** Indigenously design, develop, manufacture, test and supply the above items along with prepared drawings and technical documents. A total of 108 Lithium thermal batteries type APS and 46 Lithium thermal batteries type ATX are to be supplied. **The Buyer reserves the right to place order on two vendors through splitting of order quantity in the ratio 50:50.**
5. Firms are requested to send a formal request by fax/letter/email to this Directorate by **15 Jun 2018** expressing interest in the indigenous development process and supply and seeking RFP and technical details of the above item. Request made by firms after due date i.e. **15 Jun 2018**, will not be entertained. Cost of tender document(₹250/-) is to be submitted in the form of demand draft(DD)(non-refundable) drawn in favour of **Principal Controller of Defence Accounts (Navy), Mumbai** payable at Mumbai.
6. On receipt of the requests and the DD, this Directorate will forward the RFP and technical details. Thereafter, the firms will be called for a **Pre-Bid Conference** to discuss the technical/other details and clarify any queries that the firms may have. All firms issued with the RFP and technical documents are to give a presentation on their company profile, work experience and competence at IHQ-MoD(N)/DAPI, New Delhi. The dates for the presentation of each firm would be discussed and finalised during the Pre-Bid Conference.
7. The firms would then be required to submit their proposal at the address given below in accordance with the RFP.
8. All correspondence with regard to RFP is to be clearly marked **RFP: INDIGENOUS DEVELOPMENT AND SUPPLY OF LITHIUM THERMAL BATTERIES TYPE APS & ATX** and should be addressed to:

**THE PRINCIPAL DIRECTOR
DIRECTORATE OF ARMAMENT PRODUCTION & INDIGENISATION
WING 5(FF), WEST BLOCK V
RK PURAM, SECTOR 1
NEW DELHI 110066
PHONE NO: 011-26194649, FAX NO: 011-26194273**

TENDER RIGHTS: The Principal Director of Armament Production & Indigenisation (PDAPI), Integrated Headquarters of Ministry of Defence(Navy), reserves the right to reject any or all offer without any reason thereof.

Date: 31 May 18

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(S Dutt Roy)
Commander
JDAPI
for PDAPI