

Appendix 'A'

Expression of Interest
Ministry of Defence
Defence R & D Organisation
Research Centre Imarat
Vignyanakancha
Hyderabad – 500 069.

Notice: "Inviting offer for Expression of Interest".

Reference: RCI/PJWS/EOI/SATCOM/7778

1. Director RCI, Defence R&D Organisation, Vignyanakancha, Hyderabad 500069, India invites Expression of Interest (EOI) for **"Satellite Systems for Onboard Ship and Ground Applications"** from eligible firms. The brief scope of work is enclosed as Appendix 'B'.
2. Interested firms may respond by 1600 Hrs on 30th April 2017. Firms should submit the following documents for evaluation.
 - (i) Company profile including Financial Health.
 - (ii) Organisation set-up with details of professional expertise available.
 - (iii) Details of experience and list of similar projects executed.
 - (iv) Company profile, credentials and relevant information to prove the capability of the firm.
3. Short-listed qualified proposers will be invited for detailed technical discussion.
4. Firm should submit details to "DCMM, RCI, Vignyanakancha, Hyderabad – 500069", and should be delivered in an envelop superscribed "Satellite Systems for Onboard Ship and Ground Applications". For technical clarifications, firms may contact: G. R. Panda, Sc 'G', 040-24340618.
5. Firms will be shortlisted against their experience by a competent committee. The decision of the Evaluation Committee will be final and binding. The final RFP will be floated to shortlisted vendors only.



SATCOM SYSTEMS FOR ONBOARD SHIP & GROUND SYSTEMS

Requirement for the subject under reference is in 03 following parts.

Part – 01

GROUND SATCOM SYSTEMS

1. The system to be proposed should consist of a 11 meter 'C' Band Satellite Hub.
2. The Hub will include all RF Systems with 1:1 redundancy.
3. Remote terminals are available with baseband and RF Systems, However the proposal should include 15 numbers of MFTDMA modems.
4. Firm will have the responsibility of complete installation and commissioning of Hub and testing of existing remote terminals with MFTDMA modems. Construction of any concrete structure will not be responsibility of firm. However firm has to propose the type of concrete structure required for 11 mtrs 'C' Band Hub.

Part – 02

1. Quantity one 'C' Band Satellite System with 2.4 mtr antenna with servo-controlled stabilized platform is required to be proposed by the firm. This will include all RF and baseband Systems with 1:1 redundancy. This should have MFTDMA modem and compatible with Ground SATCOM Systems as proposed in Part – 01.
2. Quantity one 'Ku' Band Satellite System for On-board and rest of the specifications will be same as per para - 01 above in part - 02.

Part – 03

ONBOARD INMARSAT SYSTEMS

1. Firms may submit proposal for 02 nos. of INMARSAT links, i.e. total 04 terminals. 02 of these terminals will be on-board ship and the other 02 terminals will be for ground utilization.
2. INMARSAT System must have Ethernet interface and should be able to handle data upto 512 Kbps preferably.
3. Firms authorized by OEM only should submit proposal and authorisation from OEM must be enclosed.

N.B:- (i) Firms submitting proposals must be for Part – 01, Part-02 and Part – 03

(OR)

Part-01 & Part – 02

(OR)

Only Part – 03

- (ii) Techno-commercial proposals are invited firm eligible firms for above.

