



**DIRECTORATE OF AVIATION  
GOVT. OF MADHYA PRADESH**

**Tender document for Sale of State Helicopter Bell-430, VT-MPS,  
Serial no. 49035 and it's spares  
Tender No.-F-48/Bell-430/Sale/18**

April 2017

Directorate of Aviation Govt. of M.P, Raja Bhoj International Airport, Bhopal -462030.  
Tel: +91 755 2641 889, 2641271  
E- [mpaviation@mp.gov.in](mailto:mpaviation@mp.gov.in)

**DIRECTORATE OF AVIATION GOVT OF M.P**  
**RAJA BHOJ INTERNATIONAL AIRPORT BHOPAL – 462 030**

Ref no.F-48/Bell-430/Sale/18

Dated: 17 April '17

**I. NOTICE INVITING TENDER - Sale of State Helicopter Bell 430, VT MPS & It's Spares**

The Government of Madhya Pradesh invites online Tender from those willing to buy MP State owned Helicopter Bell 430, VT-MPS, serial no. 49035 on As-Is-Where-Is Basis, As-Is-What-Is Basis and Whatever-There-Is Basis. The detailed technical information about the Helicopter, its Spares/ Documentation and related terms & conditions are available on [www.mpeproc.gov.in](http://www.mpeproc.gov.in).

**II. OFFSET VALUE/ EMD/ TENDER PRICE**

- |   |   |   |
|---|---|---|
| 1. The Offset price for the sale of Helicopter and its available Spares | - | ₹ 9,00,00,000.00<br>(Rs. Nine Crore only) |
| 2. Earnest Money Deposit  | - | ₹ 10,00,000.00<br>( Rs. Ten Lakhs only)   |
| 3. Cost of Bid Document   | - | ₹ 500.00<br>(Rs. Five hundred only)       |

**III. KEY DATES AND TIMELINE**

1. Availability of Bid Document on Portal : Tuesday, the 25<sup>th</sup> April '17 from 1030 hrs.  
(To submit online Bid log on to <https://www.mpeproc.gov.in>)
2. Last date for receipt of queries : Monday, the 08<sup>th</sup> May '17 up to 1600 hrs.
3. Date of Pre-Bid Conference : Tuesday, the 09<sup>th</sup> May '17 at 1100 hrs.
4. Last Date/ Time for down loading the Bid document : Monday, the 29<sup>th</sup> May '17.
5. Last date for submission of Online Bid : Tuesday, the 30<sup>th</sup> May '17 up to 1400 hrs.
6. Opening of Technical Bid : Tuesday, the 30<sup>st</sup> May '17 at 1530 hrs.

Commissioner Aviation  
Govt of M.P

# DIRECTORATE OF AVIATION GOVT OF M.P

## 1. BID DATA SHEET

| S. No | Particular  | Details  |
|-------|---|--|
| 1.    | Name of the Seller                                  | Directorate of Aviation, Government of Madhya Pradesh, Bhopal  |
| 2.    | Method of Selection                                 | Highest Price offered as per Financial Bid   |
| 3.    | Address of Concerned person for Correspondence      | Commissioner Aviation, Government of Madhya Pradesh, Raja Bhoj International Airport, Bhopal - 462 030 India                             |
| 4.    | Timeline for Purchase of Tender Document            | Tuesday, the 25 <sup>th</sup> April 2017 at 1030 hrs to Monday, the 29 <sup>th</sup> May 2017.   |
| 5.    | Date of Pre-Bid Conference                          | Tuesday the 09 <sup>th</sup> May 2017 at 1100 hrs  |
| 6.    | Due date for Bid submission                         | Tuesday, the 30 <sup>th</sup> May 2017 at 1400 hrs   |
| 7.    | Date and time for opening of Technical Proposal     | Tuesday, the 30 <sup>th</sup> May 2017 at 1530 hrs   |
| 8.    | Date and time for opening of Financial Proposal     | The date and time would be communicated to the qualified bidders   |
| 9.    | Email address to send the Pre-bid queries           | mpaviation@mp.gov.in   |
| 10.   | Cost of Tender Document                             | ₹ 500.00 (Non Refundable) to be paid online through e-procurement portal.  |
| 11.   | EMD Amount  | ₹ 10,00,000.00 (Rs Ten Lakhs)  |
| 12.   | Method of submission of Bid (Technical & Financial) | Only through M.P e-Procurement portal (website <a href="http://www.mpeproc.gov.in">www.mpeproc.gov.in</a> )                              |
| 13.   | Validity of Bids                                    | Minimum 180 days from the due date of submission of proposal as mentioned in this tender document or the subsequent corrigendum (if any) |

### Note:

- Tender document can be viewed/ downloaded from the website [www.mpeproc.gov.in](http://www.mpeproc.gov.in).
- The Bidder has to submit the tender document cost of ₹ 500.00 online, through e- procurement portal and EMD amount of ₹ 10,00,000.00 (one million INR) in the form of a Demand Draft/ Bankers Cheque only.
- Any further corrigendum/ addendum shall be uploaded on the e-procurement portal [www.mpeproc.gov.in](http://www.mpeproc.gov.in)
- Any Addendum/Corrigendum in future will be uploaded on the above websites only. If holiday is declared by Govt. of M.P. on any date mentioned in the schedule fixed for any activity concerning this tender that date will automatically be shifted to subsequent working day.

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## 2. Introduction

- 2.1 The Directorate of Aviation, Govt. of Madhya Pradesh (hereinafter referred to as “the **Seller**”) in India, owns, maintains and operates Aeroplane and Helicopter to meet the air travel requirements of the State/ Central Govt. VIPs and Officials.
- 2.2. The Govt. of M.P is desirous to sell the State Helicopter Bell -430, VT-MPS, serial no. 49035 and its available spares on “**As Is Where Is Basis**”. The details of the helicopter and spares are given in **Annexure-I**.
- 2.3 Interested bidders will have to quote a price for purchasing the helicopter along with spares in Indian Rupees only as per the format prescribed in **Annexure-II**.
- 2.4. It is advisable that the Tenderer submits the tender after inspecting the Helicopter, its available spares and related documents at his/her own expense which are available for inspection at the State Hangar, Directorate of Aviation, Raja Bhoj International Airport at Bhopal and ascertain for himself on his own responsibility, all information, data, etc. including interalia actual conditions regarding state and condition of the Helicopter, log books etc., that may be desirable for his submission of bid. For this purpose the aircraft along with spares will be available for inspection by interested bidders from Thursday, the 25<sup>th</sup> April 2017 to Tuesday, the 29<sup>th</sup> May 2017, from 1000 hrs to 1200 hrs (IST) (excluding 2nd/3rd Saturday, Sunday and Public Holidays). One working day notice will be required for preparation of entry pass. Interested bidders will be required to submit two copies of current passport size photographs along with Photocopy of Proof of identity and residence. The contact person for inspection shall be Shri Sanjay Surana, Chief Engineer, Directorate of Aviation, Govt. of M.P.
- 2.5 On having purchased the Bid and submitted it, the bidder shall be deemed to have full knowledge concerning the helicopter along with spares.
- 2.6 It will be the responsibility of the successful bidder to obtain all permissions from concerned authorities for transfer of ownership and, in case, successful bidder is located outside India, permission for export of the Helicopter. All the costs for transfer of ownership of helicopter along with spares, any taxes or duties that may be payable and cost of transporting including insurance and other such costs, will have to be borne by the successful bidder.

## 3. Instructions to the Bidders

This section specifies the procedures to be followed by bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of Bids and on the award of contract. It is important that the bidder carefully reads and examines the Tender document.

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## **3.1 Availability of Tender Document**

Tender documents can be purchased only online and downloaded from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) by making online payment for the prescribed tender fee. The bidders shall have to submit their bids online. All details relating to the Bid Document(s) can be viewed and downloaded from the website. Bid Document can be purchased after making online payment of portal fee through Credit Card/ Debit Card/ internet banking.

## **3.2 Pre-bid Meetings and Clarifications**

### **3.2.1 Clarifications**

The prospective Bidder requiring any clarification on the Tender shall contact the Seller through email by sending the queries at [mpaviation@mp.gov.in](mailto:mpaviation@mp.gov.in) and would provide clarifications to only those queries which would be received before the due date as mentioned in Bid Data Sheet. All future correspondence/ corrigendum shall be published on [www.mpeproc.gov.in](http://www.mpeproc.gov.in)

### **3.2.2 Pre-bid Conference and Issue of Corrigendum**

- a) A Pre-Bid conference shall be held at the scheduled date and time as mentioned in the Bid Data Sheet. All intended bidders may attend the same, if desire so.
- b) The Seller reserves the right to make any kind of amendments or modification in the tender terms and conditions before the due date of submission of Bid. Any change/ clarification/ corrigendum would be uploaded on the e- procurement portal. This will form a part of this Tender document.
- c) The Seller at its discretion may extend the due date for the submission of bids.

## **3.3 Preparation and Submission of Proposal**

### **3.3.1 Completeness of Bids**

Bidders are advised to study all instructions, forms, terms, requirements and other Information in the Tender document carefully. Submission of Bid shall be deemed to have been done after careful study and examination of the Tender document with full understanding of its implications. The response to this Tender should be full and complete in all respects. Failure to furnish the information required by the Tender documents or submission of an incomplete proposal will be at the bidder's risk and may result in rejection of its proposal. The Tender Document is not transferable to any other bidder.

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## 3.3.2 Language

The Bid as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the purchaser, shall be in English language only. In case of documents in a language other than English, a true English translation has to be submitted.

## 3.3.3 Submission of Bid

The bidder is responsible for registration on the e-procurement portal ([www.mpeproc.gov.in](http://www.mpeproc.gov.in)) at their own cost. The bidders are advised to go through the e-procurement guidelines and instructions, as provided on the e-procurement website, and in case of any difficulty related to e-procurement process, may contact the helpline number 18002588684 email id : [eproc\\_helpdesk@mpsdc.gov.in](mailto:eproc_helpdesk@mpsdc.gov.in)

The Bidder shall submit the proposals online as described below-

- a) The Bids should be submitted only through the e-procurement Portal.
- b) Financial Proposal –The proposal should be submitted in Financial Bid format provided on the portal ([www.mpeproc.gov.in](http://www.mpeproc.gov.in))
- c) The financial Bid should be exclusive of all applicable taxes.
- d) Conditional Bid shall not be accepted on any ground and shall be summarily rejected. If any clarification is required, the same should be obtained before submission of the Bids.
- e) Any alteration, erasures or overwriting shall be valid only if the person or persons signing the Bid, signs against them with his/their initials.
- f) Bidders are advised to upload the proposals well before time to avoid last minute issues.
- g) The Bid has to be submitted only through online on [www.mpeproc.gov.in](http://www.mpeproc.gov.in) website. No physical submission of Bids shall be acceptable.

## 4 Offset Value of State Helicopter Bell 430, VT-MPS and Its Spare.

The Offset value for State Helicopter Bell 430, VT- MPS and its spares is fixed as ₹ 9,00,00,000 (Indian Rupees Nine Crores only)

## 5 Late Bids

Proposal after due date and time shall not be accepted.

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## **6 Tender Validity**

The Tender offer must be valid for 180 days from the due date of submission of proposal as mentioned in this Tender or the subsequent corrigendum (if any). However, the Seller may extend this period, if the bidder accepts the same in writing.

## **7 Payment Schedule**

- 7.1 The successful bidder has to submit the initial payment that is 25% of the amount quoted in the financial Bid within 30 (thirty) days after issuance of the letter of acceptance (LOA).
- 7.2 The remaining 75% of the payment shall be submitted within 90 days after the issuance of LOA.
- 7.3 All payments are to be made to the Seller before handing over of the Helicopter.
- 7.4 In case the successful bidder fails to pay any of the amounts mentioned as per clause 7.1 and 7.2 within the specified time, the authority may extend the time limit for submission of such amount on written request from the successful bidder with stated reasons thereof. Such extension of the time shall be 90 days or less from the date of issuance of such extension. After expiry of such time limit authority may take necessary actions for cancellation of the award and forfeitures of EMD and any other amount deposited by the bidder to authority.

## **8 Cost and Currency**

The offer must be given in Indian Rupees only. The price will remain fixed for the period of the contract and no changes for any reason whatsoever will be allowed. The bidder shall bear all the costs associated with the preparation and submission of its Bid, and the purchaser will in no case be responsible or liable for these costs, regardless of conduct or outcome of bidding process.

## **9 Interpretation of the clauses in the Tender Document**

In case of any ambiguity in the interpretation of any of the clauses in Tender Document, the Seller interpretation of the clauses shall be final and binding on the Bidder. The decision taken by the Seller in the process of Tender evaluation will be full and final.

## **10 Amendment of Tender Document**

The Seller at any time prior to the deadline for submission of Bids, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the Bid documents by amendment. Any such modification,

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alteration or amendment shall be posted on website and Bidders are requested to visit the e-procurement website for such updates, modification including withdrawal of Offer.

### **11 Earnest Money Deposit (EMD)**

- a) The Bidder shall furnish an EMD as per the amount mentioned in Bid Data Sheet through Demand Draft/ Bankers cheque only in favour of “The Commissioner Aviation.”
- b) No interest shall be payable on EMD under any circumstances.
- c) Unsuccessful Bidder’s Bid security shall be discharged or returned within 60 (sixty) days of expiration of the period of proposal validity or after awarding Tender to successful Bidder.
- e) No exemption in EMD/ Security deposit in any form will be given to any firm/ company/ corporation/ public undertaking.
- f) The EMD shall be forfeited by the Seller, on account of one or more of the following reasons-
  - If a Bidder withdraws his Bid during the period of Bid validity.
  - If the successful Bidder fails to deposit the amount as mentioned in clause 7.1 of the tender document.
  - Information given in the proposal is found inaccurate/ incomplete.
  - The successful Bidder fails to pay any amount as per clause 7.
  - The successful Bidder fails to take the possession of the Helicopter and unable to remove it from State Hangar.
- g) The EMD of the successful bidder shall be returned only after the successful bidder takes possession of the Helicopter and removes it from State Hangar.

### **12. Bid Evaluation Methodology**

#### **12.1 Tender Opening**

- a) Bid Opening shall take place through the e-Procurement Portal. Online Proposals submitted with the Tender Fee (Payable Online through the portal) and the EMD.
- b) A maximum of two representatives from each Participating Organization would be allowed to attend the Tender Opening. The Bidder’s representatives, who may choose to attend the session, should attend the Tender opening at the Date and time mentioned in the Bid Data Sheet or as per the Date and Time revised in the subsequent communication given by Directorate of Aviation Govt. of M.P through [www.mpeproc.gov.in](http://www.mpeproc.gov.in)



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## 12.2 Tender Evaluation

- i. To evaluate the Tender the Seller shall formulate a Tender Evaluation Committee (TEC) (also referred to as "Evaluation Committee"). The Evaluation Committee shall evaluate the Bids as per the following process:
  - a) The Tender Evaluation Committee will first verify the EMD. Bids received without the EMD as prescribed in the clause 11, of this tender shall be liable to be rejected.
  - b) The Financial Proposals of only those Bidders who have submitted the EMD of required value as per clause 11 will be opened in the presence of their representatives, who may choose to attend the session on the specified date, time and address mentioned in the Bid Data Sheet.
- ii. Failure to Agree with the Terms and Conditions of the Tender
  - a) Failure of the successful bidder to agree with the Terms & Conditions of the Tender shall constitute sufficient grounds for the annulment of the proposal or the award, in such event the Seller would reject the proposal and forfeit the EMD as specified in the document.

## 13. Financial Bid Evaluation

- 13.1 The bidder whose Bid has been accepted and who have quoted the highest amount in their financial proposal shall be adjudged as the preferred bidder. The decision of the Department of Aviation Govt. of M.P in this respect shall be final and binding.
- 13.2 The amount for the Financial Bid must be written legibly, both in words and figures. In case of difference between the two, the higher figure will be considered.
- 13.3 In the event that two or more Tenderers quote the same amount, the Directorate of Aviation may:
  - i. Invite fresh Bids from the Tenderers;

OR

  - ii. Take any such measure as may be deemed fit in its sole discretion, including annulment of the tendering process.
- 13.4 The Bidder's representatives who are present shall be required to sign and record their attendance.

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## 14. Confidentiality

- a) Any attempt by a Bidder to influence Seller in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.
- b) If any Bidder wishes to contact the Commissioner Aviation during/ after opening of the Bid to award of contract. He may do so in writing.

## 15. Terms and Conditions Governing the Contract

### 15.1 Signing of Contract

- a) The successful Bidder shall execute an agreement within one month from the date of issue of letter of acceptance by the Seller. In exceptional circumstances, on request of the successful bidder in writing for extension, the Seller reserves the right to grant an extension for appropriate period after getting satisfied with the reasons given. In addition to terms and conditions being mentioned hereunder, all terms and conditions of the Tender and corrigenda issued will also be applicable for the contract and become a part of it.
- b) There shall be an agreement between the Seller and Successful bidder. On failure of execution of the agreement by the successful bidder, the EMD along with the initial deposit of 25% furnished by the successful bidder will be forfeited.
- c) Following execution of the contract and full payment made to authority, the successful bidder shall take possession of the helicopter and remove the same from the present location that is the state hangar in Bhopal within 45 days from the date of full payment.
- d) In case the successful bidder fails to take possession and remove it from the present location as mentioned in clause 15 (c), authority can proceed to cancel the award and forfeit EMD and any other payment made to authority till such time.

## 16. Publicity

Any publicity by the bidder in which the name of the Indenter/ buyer is to be used should be done only with the explicit written permission of the Indenter/buyer.

## 17. Correspondence

All correspondence in relation to enquiries can be submitted to the following authority in writing by e-mail/fax/post/courier:

|                     |   |   |
|---------------------|---|---|
| Name of The officer | - | Shri Sanjay Surana  |
| Designation         | - | The Chief Engineer  |
| Address             | - | Directorate of Aviation<br>Raja Bhoj International Airport, |

# DIRECTORATE OF AVIATION GOVT OF M.P

Bhopal – 462 030

Tel - +91 755 2641 889  
Fax - +91 755 2641 271  
Email - [mpaviation@mp.gov.in](mailto:mpaviation@mp.gov.in)

## 18. Notification:

- 18.1 Notwithstanding anything contained in the Tender document, the Seller reserves the right to accept or reject any tender and/or to annul the tendering process and reject all Tenders, at any time without any liability or any obligation for such acceptance/rejection or annulment, without assigning any reason, thereof.
- 18.2 The Seller reserves the right to invite fresh Financial Bid with or without amendment of the Tender document at any stage, without liability or any obligation for such invitation, without assigning any reason, thereof.
- 18.3 The decision of the Commissioner Aviation, Directorate of Aviation shall be final and binding on all participating Tenderers.
- 18.4 The decision of the Seller on the Bid Evaluation Report will be intimated by The Commissioner Aviation to the successful Tenderer.
- 18.4.1 Upon acceptance of the Bid by the Seller, the successful Bidder will have to deposit the initial 25% of the amount quoted in the financial Bid within 30 days from the date of issue of Letter of Acceptance (LOA) by The Commissioner Aviation. This amount shall be payable by way of Demand Draft/ Bankers Cheque in favour of The Commissioner Aviation, Government of Madhya Pradesh, Raja Bhoj International Airport, Bhopal.

## 19. Miscellaneous

- 19.1 The Selection Process shall be governed by, and construed in accordance with, the laws of India and the Courts at Bhopal shall have exclusive jurisdiction over all disputes arising under, pursuant to and/or in connection with the Selection Process.
- 19.2 The Directorate of Aviation, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to:
- (a) Suspend and/ or cancel the Selection Process and/ or amend and/ or supplement the Selection Process or modify the dates or other terms and conditions relating thereto;
  - (b) Consult with any Applicant in order to receive clarification or further information;

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- (c) Retain any information and/or evidence submitted to the Directorate of Aviation by, on behalf of and/or in relation to any Bidder; and/or
- (d) Independently verify, disqualify, reject and/or accept any and all submissions or other information and/ or evidence submitted by or on behalf of any Applicant.

19.3 It shall be deemed that by submitting the Bid, the Bidder agrees and releases the Directorate of Aviation, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/or performance of any obligations hereunder, pursuant hereto and/ or in connection herewith and waives any and all rights and/ or claims it may have in this respect, whether actual or contingent, whether present or future.

19.4 All documents and other information supplied by the Directorate of Aviation or submitted by a Bidder shall remain or become, as the case may be, the property of the Directorate of Aviation. The Directorate of Aviation will not return any submissions made hereunder. Bidders are required to treat all such documents and information as strictly confidential.

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# DIRECTORATE OF AVIATION GOVT OF M.P

## ANNEXURE-I

### A. TECHNICAL DETAILS OF STATE HELICOPTER BELL – 430, TWIN ENGINED, IFR HELICOPTER

|                             |   |                                |              |
|-----------------------------|---|--------------------------------|--------------|
| MANUFACTURER OF HELICOPTER  | : | BELL HELICOPTER. TEXTRON, USA. |              |
| YEAR OF MANUFACTURE         | : | 1998                           |              |
| SERIAL NUMBER OF HELICOPTER | : | 49035                          |              |
| INDIAN REGISTRAION          | : | VT-MPS                         |              |
| MAX. ALL UP WEIGHT          | : | 4218.00 KGS.                   |              |
| EMPTY WEIGHT                | : | 2790.00 KGS.                   |              |
| HELICOPTER HOURS            | : | 3210:15                        |              |
| HELICOPTER LANDINGS         | : | 4133                           |              |
|                             |   |                                |              |
| ENGINE MANUFACTURER         | : | ROLLS ROYCE, USA.              |              |
| ENGINE TYPE                 | : | RR 250-C40B.                   |              |
| ENGINE SERIAL NO.           | : | CAE 844070                     | & CAE 844164 |
| ENGINE HOURS (TSN)          | : | 2293:34                        | & 1172:25    |
| ENGINE CYCLES (CSN)         | : | 2681                           | 1478         |

ENGINES EQUIPPED WITH FADEC (FULL AUTHORITY DIGITAL ELECTRONIC CONTROLS)

COMPLETE MAIN ROTORS SYSTEM IS BMR (BEARINGLESS MAIN ROTOR SYSTEM) HENCE NO LIFE LIMITS FOR THESE COMPONENTS.

HELICOPTER EQUIPPED WITH AUXILIARY FUEL TANK

|                     |   |                     |
|---------------------|---|---------------------|
| TOTAL FUEL CAPACITY | : | 932 LTRS.           |
| RANGE               | : | 320 NAUTICAL MILES. |
| MAX. SPEED (VNE)    | : | 150 KNOTS.          |

SEATING CAPACITY : SIX PASSENGERS PLUS TWO PILOTS.

HELICOPTER HAS CLUB SEATING CONFIGURATION (3 FRONT FACING AND 3 AFT FACING SEATS) WITH AMPLE LEG SPACE AND HEAD ROOM.

HELICOPTER EQUIPPED WITH AIR CONDITIONING SYSTEM.

FLIGHT CONTROLS : TWIN HYDRAULIC SERVO BOOST CONTROLS.

MAIN ROTOR BLADES : FOUR BALADED ROTOR COMPOSITE.

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YOKES : TWO FIBRE GLASS.  
LANDING GEAR : HYDRAULIC RETRACTABLE WITH AUTOMATIC  
NOSE WHEEL CENTERING DEVICE.

PARTICLE SEPERATORS KIT, FIRE DETCTION & EXTINGUISHING SYSTEM INSTALLED ON BOTH ENGINES.

### AVIONICS AND INSTRUMENTS:

AVIONICS BY BENDIX/ KINGS – HONEYWELL.

AUTOPILOT : HONEYWELL KFC 500 :3 AXIS AUTO PILOT  
COUPLED WITH GPS, INTERFACE WITH  
EFIS AND INTEGRATED WITH CENTRAL AIR  
DATA SYSTEM.

HELICOPTER IS HAVING IIDS (INTEGRATED INSTRUMENT DISPLAY SYSTEM) WITH PRIMARY & SECONDARY SCREENS.

HELICOPTER IS FITTED WITH : 4 TUBE EFIS SYSTEM.  
COLOUR WEATHER RADAR.  
VHF 02 NOs.  
HF 01 NO.  
VOR 02 NOs.  
ADF 01 NO.  
DME 01 NO.  
TRANSPONDER (MODE S) 01 NO.  
RADIO ALTIMETER 01 NO.  
GPS.  
ELT.  
CVR.  
DR AND RR COMPASS.

ICS SYSTEM IN CABIN (INTERPHONE) FOR COMMUNICATION BETWEEN COCKPIT & CABIN.

HELICOPTER IS HAVING A MAINTENANCE TERMINAL FOR TROUBLESHOOTING AND ASSESSMENT OF AUTOPILOTS, IIDS AND ENGINE FADEC CONTROLS, ACCESSIBLE BY LAPTOP.

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### B. LIST OF AVAILABLE SPARES OF STATE HELICOPTER BELL -430, VT-MPS

| S. No | Description      | Part No.                | Qty |
|-------|------------------|-------------------------|-----|
| 1.    | FILTER           | 23063144                | 08  |
| 2.    | DISC ASSY        | 36300-1                 | 03  |
| 3.    | LINING           | 066-12901               | 02  |
| 4.    | KEY DRV          | 205-04101               | 06  |
| 5.    | SHIM             | 430-010-436-101         | 05  |
| 6.    | DUCT             | 230-362-001-101         | 01  |
| 7.    | DUCT             | 230-362-001-102         | 01  |
| 8.    | DISC ASSY        | C048354-1               | 02  |
| 9.    | DUCT             | 1375A105B073            | 06  |
| 10.   | DUCT             | 230-362-002-101         | 01  |
| 11.   | DUCT             | 230-362-002-102         | 01  |
| 12.   | DUCT             | 230-362-004-101         | 01  |
| 13.   | OIL FILTER       | 6898947                 | 02  |
| 14.   | N2 RPM PICKUP    | 23054164                | 02  |
| 15.   | PIN ASSY         | 430-010-127-101         | 02  |
| 16.   | BUSHING          | 430-010-421-101         | 04  |
| 17.   | BUSHING          | 430-010-419-101         | 02  |
| 18.   | BUSHING          | 430-010-418-101         | 02  |
| 19.   | BUSHING          | 430-010-417-101         | 04  |
| 20.   | BUSHING          | 430-010-416-101         | 02  |
| 21.   | LUBE OIL         | 23069740                | 01  |
| 22.   | SENER VALVE SOLE | 430-375-233-102         | 01  |
| 23.   | PARTICLE SEP     | 4706-28                 | 01  |
| 24.   | CONTROL          | 430-360-053-101-1008405 | 02  |
| 25.   | RESTRAIN         | 430-010-212-101         | 01  |
| 26.   | RESTRAIN         | 430-010-211-105         | 01  |
| 27.   | COVER TIP        | 430-015-030-101         | 03  |
| 28.   | SHEAR RESTRAIN   | 430-310-101-101         | 02  |
| 29.   | TUBE ASSY        | 222-066-584-101         | 01  |
| 30.   | MOUNT            | 222-075-123-105         | 01  |
| 31.   | MOUNT            | 222-075-123-106         | 01  |
| 32.   | PISTON RING      | 6889096                 | 10  |
| 33.   | SEAL             | 689857                  | 08  |
| 34.   | BRACKET          | 230-064-900-175S        | 01  |
| 35.   | FILTER LUBE      | 23066697                | 01  |
| 36.   | SOLENOID VALVE   | 313617-1                | 01  |
| 37.   | LINK             | 430-001-513-101         | 01  |
| 38.   | HOSE AIR         | NAS1375A125B07          | 10  |
| 39.   | CAP              | Y-42499-1-1             | 02  |
| 40.   | BRUSH            | 30300-1383              | 04  |
| 41.   | SWITCH           | 205-076-044-009         | 01  |

## DIRECTORATE OF AVIATION GOVT OF M.P

|     |                          |                   |    |
|-----|--------------------------|-------------------|----|
| 42. | SWITCH                   | 8-240-37          | 01 |
| 43. | BOLT                     | 20-057-7-62D      | 04 |
| 44. | BOLT                     | 50-047C6-36       | 08 |
| 45. | BOLT                     | 50-047-C628       | 04 |
| 46. | BOLT                     | 20-057C6-117D     | 08 |
| 47. | HOSE                     | 230-365-503-101   | 01 |
| 48. | SWITCH                   | 7G1113            | 01 |
| 49. | UPPER                    | 01-0770501-00     | 01 |
| 50. | SWITCH                   | 222-060-096-103   | 01 |
| 51. | ANTICOLL LIGHT LOWER     | 01-0770285-21     | 01 |
| 52. | SWITCH SCAS              | 95-64-14-B6       | 01 |
| 53. | RESOLCER YAW             | 430-375-008-101   | 01 |
| 54. | RELAY ICS                | 026-22002-01      | 01 |
| 55. | LIGHT                    | 90-060-1          | 01 |
| 56. | CONNECTOR                | D38999            | 02 |
| 57. | DIODE                    | 30-251-1CC        | 10 |
| 58. | CONNECTOR                | SM20CCD200B21     | 02 |
| 59. | SWITCH                   | 95-42-11-46-59946 | 01 |
| 60. | CELL ASSY                | 28SP100           | 03 |
| 61. | STARTER GEN              | 206-0620-200-113  | 01 |
| 62. | PRESSURE TRANS OIL       | 222-375-077-113   | 01 |
| 63. | MAIN DRIVE SHAFT         | 222-044-006-109   | 01 |
| 64. | SENSER HTL FIRE EXT      | 23054163          | 01 |
| 65. | CONTAINER HUM            | 222-369-911-001   | 02 |
| 66. | PITCH TRIM TRANSDUSER    | 065-00162-0200    | 01 |
| 67. | PRESSURE TRANSDUSER      | 222-375-007-105   | 01 |
| 68. | ACTUATOR                 | 222-336001-105    | 01 |
| 69. | NUT                      | 90-099C6          | 08 |
| 70. | BOLT                     | 50-047C6-32       | 07 |
| 71. | BOLT                     | 50-047C8-31       | 06 |
| 72. | WASHER                   | 222-044-655-101   | 10 |
| 73. | STUD                     | 50-007W24C        | 15 |
| 74. | STUD                     | 50-007W33C        | 12 |
| 75. | SCREW                    | NAS1189E4R7       | 26 |
| 76. | NUT                      | 90-100C6          | 08 |
| 77. | KNR634A NAV RECIEVER     | 066-1078-10       | 01 |
| 78. | RECIEVER KTR 908 VHF     | 064-01023-0000    | 01 |
| 79. | CONTROL PANNEL KMS 540   | 065-0015+9-0501   | 01 |
| 80. | AUDIO PANNEL KMA24H      | 066-01055-0071    | 01 |
| 81. | DIRECTIONAL GYRO KSG 105 | 060-00013-0001    | 02 |
| 82. | AVSI KAV 485             | 066-03077-0064    | 01 |
| 83. | COMPUTER KCP 0520        | 065-00158-0211    | 01 |
| 84. | CDI INDICATOR            | 066-3034-18       | 01 |
| 85. | CLAMP                    | 222-001-249-001   | 01 |
| 86. | NUT                      | 141517-001        | 08 |



## DIRECTORATE OF AVIATION GOVT OF M.P

|     |                            |             |    |
|-----|----------------------------|-------------|----|
| 87. | ADF FREQUENCY SELECTOR KFS | 071-1284-09 | 01 |
| 88. | THERMO STAT                | 8A 860-001  | 02 |

### C. LIST OF AVAILABLE EQUIPMENTS OF STATE HELICOPTER BELL -430, VT-MPS

| S. No | Description   | Part No             | Remarks |
|-------|---|---------------------|---------|
| 1.    | GPF SOFTWARE PACIFIC NAVDATE                          | 071-0152-03         |         |
| 2.    | VHF EQUIPMENT KTR 908 (COM 1)                         | 064-1023-00         |         |
| 3.    | ADF (KDF) 806)  | 066-107701          |         |
| 4.    | TRANSPONDER PROVISION (MST – 67A)                     |                     |         |
| 5.    | TRANSPONDER EQUIPMENT (MST-67A)                       | 006-01143-0201      |         |
| 6.    | GHFPS PROVISION (KLN – 90B)                           |                     |         |
| 7.    | GPS EQUIPMENT (KLN-90B)                               | 066-04031-1122      |         |
| 8.    | OMNI W/CDO (KI-204)                                   | 066-3034-18         |         |
| 9.    | COMM-2 KTR – 908                                      | 064-1023-00         |         |
| 10.   | COMM-2 KTR-908 PROV                                   |                     |         |
| 11.   | VHF / ADF PROV. W/AUDIO PANNEL (KMA24H)               | 066-1055-71         |         |
| 12.   | AFT/AUDIO ISC-5 STATIONS PPCI DUG & MEPI INSTRUCTIONS |                     |         |
| 13.   | ELT ARTEX C406 – 1HM, BAT EXP: APRIL 19.              | C406-1HM (453-5003) |         |
| 14.   | ADF ANT ALTERNATE LOCATION                            |                     |         |
| 15.   | VHF ANT ALTERNATE LOCATION                            |                     |         |

# DIRECTORATE OF AVIATION GOVT OF M.P

## ANNEXURE-II

### FINANCIAL BID

To

The Commissioner Aviation.  
Directorate of Aviation.  
Government of Madhya Pradesh.  
Raja Bhoj International Airport.  
Bhopal – 462030.  
India.

Dear Sir,

I/ We am/ Our submitting my/ our Financial Bid as under:

1. Price of Helicopter and spare parts as mentioned in the tender document

| S.No | Details                             | Amount (in Indian Rupees) |            |
|------|-------------------------------------|---------------------------|------------|
|      |                                     | (In figures)              | (In words) |
| 1.   | Price of Helicopter and spare parts |                           |            |

I/ We have gone through the terms and conditions and guide lines as mentioned in the tender document and I/ We shall abide by them.

Date:

Name of the Authorized person:

SIGNATURE