



राष्ट्रीय वांतरिक्ष प्रयोगशालाएं National Aerospace Laboratories

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् / Council of Scientific & Industrial Research)
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TIN NO.: 29750311018

PURCHASE ORDER-No. 20 (EAD-202/2009)10

May 12, 2010

M/S. IDEAFORGE TECHNOLOGY PRIVATE LIMITED.
#4, 4TH FLOOR, KRESIT BUILDING,
IIT BOMBAY, POWAI, MUMBAI - 400076

Ref: Your Reference No. MAV/NAL/008 dt. 15/04/10

Dear Sirs,

Please arrange to supply the articles mentioned below on the Terms and Conditions stated along with.

SL. No.	ITEM DESCRIPTION	Qty	Rate/Unit	TOTAL COST RS.
1.	Blue Fire Autopilot (As per Annexure - I enclosed)	20 Nos.	230000/-	4600000-00
Rupees : Forty Six Lakhs Only				4600000-00

NOTE:

1. TAXES: VAT @ 12.5 % EXTRA
2. PAYMENT TERMS: WITHIN 30 DAYS AFTER RECEIPT OF ITEM & ACCEPTANCE AT NAL
3. WARRANTY : ONE YEAR, KINDLY SEND WARRANTY CERTIFICATE ALONG WITH THE INVOICE.
4. FREE DELIVERY TO NWT, BELUR STORES ALONG WITH YOUR BILL/INVOICE.
5. DELIVERY OF 10 NOS. AUTOPILOTS BEFORE 30/05/10 IN THE FIRST BATCH, AND REMAINING 10 NOS. AUTOPILOTS TO BE SUPPLIED IN THE MONTH OF JULY
6. PLEASE MENTION OUR TIN NO.: 29750311018 IN YOUR INVOICE & ALSO YOUR TIN NO.

Yours faithfully,

(V.R.PATIL)
STORES & PURCHASE OFFICER

CC : C S Suraj Div : PR O/C S/C M/C
Stores Copy: Proj. No. : E-I-243. P9090101, P99103, GAP 2614
Web Copy :KTMD

Term s & Conditions

1. The Order should be acknowledge by return past confirming the rates and other all terms and conditions embodied, within 21 days.
2. The number and date of this order and serial number of the article overleaf must be quoted in the bill and the rates must be checked with your original quotation. No. variation in price and specification will be accepted.
3. For payment, the bill should be prepared in ink or typed, pre-receipted and submitted in duplicate along with packing list.
4. In case your rate is F.O.R. dispatching station, the goods are required to be insured for full value including freight charges and claim the same in your bill with supporting Voucher.
5. Charges not mentioned in the quotation shall not be paid. VAT-TIN Number should be mentioned in the bill wherever applicable. It may be noted that this Laboratory is NOT eligible to issue Central Sales Tax Concessional Form-C or D. This Laboratory is, however eligible to issue Central Sales Tax as applicable to Scientific and Educational Institution on all purchases of Scientific Equipment for Bombay (Maharashtra State), Delhi and Manipur.
6. Printed condition, if any sent along with your quotation shall not be binding on us.
7. This Laboratory is exempted from excise duty vide notification No. 10/97 dt. 01/03/2007 & Custom duty vide 51/96 dt. 23/07/96 at a Concessional rate is leviable.
8. No. claim on account of payment of Octroi Duty within the limit of the Municipal Corporation shall be accepted.
9. Payment of your bill will be made on receipt of the articles in good condition, by crossed account payee cheque on the state Bank of India, Bangalore
10. All damaged or/and unapproved god shall be returned at your cost and risk and the incidental expenses, incurred thereon shall be recovered from any of your bills.
11. Supplies receive)after the due date are liable to be rejected.
12. As time is the essence of this order the date of delivery should be strictly adhered to, otherwise the Director reserves the right to claim liquidated damages at $\frac{1}{2}$ percent per week subject to maximum of 10 percent of the total value of supply order.
13. The items can be delivered in our Stores before 4 P.M, on all working days. Wherever installation is required to be done, the same should be done by the supplier within the free time of insurance so that claims if any can be lodged failure to install the equipment will attract the same Rate penalty as mentioned
at 12 above.
14. Order Subject to Bangalore Jurisdiction Only.

ANNEXURE - I

ABP/EAD/202/09

Blue Fire Autopilot

Specifications

1. 32-Bit ARM processor (40 MIPS)
2. 3-Axis Accerolometers ($\pm 2g/\pm 6g$ option, 40Hz bandwidth)
3. 3- Axis Gyroscopes ($\pm 250\text{deg}/\text{sec}$, 40Hz bandwidth)
4. Optional 2 - Axis Magnetometer (External)
5. Absolute pressure sensor for altitude measurement
6. 4-Hz u-Blox GPS (External, 16grams approx)
7. 6 Control channel outputs
8. 6 PID Controllers for Pitch, Roll, Heading, Altitude, Waypoint etc.....
9. Inner loop update Rate: 400Hz
- 10.5 External Analog inputs (can also be used as digital I/Os)
11. Autopilot operating voltage: 7-13v(2 or 3 cell Li-poly Batteries)
12. Autopilot Size : 1.65inch*1.55 inch*1.0inch (approx)
13. Autopilot Weight: Not to exceed 11 grams approx (including all sensors, excluding GPS & Magnetometer)

