

**Department of Electrical Engineering
Indian Institute of Technology Delhi**

Notice Inviting Quotations

Subject: NIQ for Mobile Robot and accessories.

Dated: 03/02/2015

Sealed quotations are invited for **Mobile Robot and accessories**. The specifications and accessories for mobile robot are given below.

Robot specifications:

a. Mobile Robot with base and front sensor

- (i) Body: Aluminum (powder coated)
- (ii) Tire: reinforced pneumatic
- (iii) Operating payload: At least 12 kg on floor.
- (iv) Front and rear Sonar sensors
- (iv) Four-wheel, four-motor drive movement (capable of forward/backward speed 0.7 m/s or more)

b. Accessories (To be compatible with the Mobile Robot along with supporting software)

(i) Wi-Fi Wireless adapter

[High-speed wireless communication for use on robot

- a) without onboard PC
- b) with onboard PC]

(ii) Gyroscopic correction system

(iii) Complete PTZ camera under mount

[Pan/Tilt/Zoom Camera System, including associated Tracking Software]

(iv) Battery (Three extra batteries for the robot)

[at least 7.0 Amp/Hour, sealed]

(vi) Fast 220V charger

[Direct plug-in Charger, adaptable Asia]

(vii) Onboard Computer

[Minimum 2.26 GHz dual core, 2 GB RAM, at least 40 GB solid state drive, USB, interface panels].

(viii) Linux and Windows XP embedded operating system for onboard computer

(ix) Laser range finder

(x) GPS

Terms and Conditions:-

Please submit the TECHNICAL and FINANCIAL bids in two separate sealed envelopes. Mark the two envelopes clearly as “**Technical Bid**” and “**Financial Bid**”. Both these sealed envelopes should be sent in a single sealed envelope, with clearly marked as Quotation for “**Mobile Robots and Accessories**”. The quote should reach the following address on or before **08/03/2015 up to 4.00 pm**.

Name :Prof. Santanu Chaudhuri

**Address : Department of Electrical Engineering,
IIT Delhi, New-Delhi – 110016 (India)**

1. Please quote the price at FOB / CIF New- Delhi, inclusive of installation charges.
2. For imported products, Quote should be in foreign currency and to be valid for at least three months.
3. Attach all technical literature and list of similar sales/installation done in India.
4. Warranty as per OEM.
5. Cost should include online support for installation and operation of the equipment for a period of one year. Mention about the type of support in the technical bid.
6. If the quote is being submitted by the representative of the principals/manufactures themselves, a valid Agency ship/ Dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
7. The institute reserves the rights to accept/reject any/all quotations without assigning any reasons thereof.
8. Complete set of manuals for the operation of the equipment should be given. All mechanical and electrical schematics must be provided for main unit, sub systems and accessories.
9. Delivery should be as early as possible but not exceeding 10 weeks on receipt of PO.
10. Clearly specify the installation requirements – Such as space, power, frequency, environment(Temperature and Humidity)
11. If the item quoted are proprietary in nature, please enclose proprietary certificate from the principals stating “certificate that ----- is proprietary item of M/s ----- and no other manufacture make these items”.
12. If the bidder is Indian agent, the agency certificate should be enclosed.
13. Please produce compliance certificate for all the specification.
14. Please ensure that the Indian agent has been enlisted with the Department of Expenditure, evidence may please be attached.
15. All bank charges payable in India are to buyer’s account and the bank charges in seller’s country to seller’s account.

(Prof. Santanu Chaudhuri)

Electrical Engineering Department

IIT Delhi,

New Delhi-110016,

India.

Distribution:

1. Electrical Lab (Notice Board)
2. E.E Office (Notice Board)
3. IRD (Notice Board)
4. Webmaster, CSC → To put an advertisement at IITD website. This has the approval of the PFC.

Mobile Robot and accessories

Basic Details

Category:

Notice Inviting Quotations (NIQ)

Tender Type:

Open

Form of Contract:

Supply

Number of Covers:

2(fee+pre quad+tech bid)/(fin bid)

Tender Category:

Goods

Work/Item Description:

a. Mobile Robot with base and front sensor (i) Body: Aluminum (powder coated) (ii) Tire: reinforced pneumatic (iii) Operating payload: At least 12 kg on floor. (iv) Front and rear Sonar sensors (iv) Four-wheel, four-motor drive movement (capable of forward/backward speed 0.7 m/s or more) b. Accessories (To be compatible with the Mobile Robot along with supporting software) (i) Wi-Fi Wireless adapter [High-speed wireless communication for use on robot a) without onboard PC b) with onboard PC] (ii) Gyroscopic correction system (iii) Complete PTZ camera under mount [Pan/Tilt/Zoom Camera System, including associated Tracking Software] (iv) Battery (Three extra batteries for the robot) [atleast 7.0 Amp/Hour, sealed] (vi) Fast 220V charger [Direct plug-in Charger, adaptable Asia] (vii) Onboard Computer [Minimum 2.26 GHz dual core, 2 GB RAM, at least 40 GB solid state drive, USB, interface panels]. (viii) Linux and Windows XP embedded operating system for onboard computer (ix) Laser range finder (x) GPS

Location Details:

Electrical Engineering Department IIT Delhi, New Delhi-110016, India.

Product Category:

Computer H/W

Contract Type:

Tender

Bid Validity Days:

120

Inviting Officer:

Prof. Santanu Chaudhury

Inviting Officer Address:

Electrical Engineering Department IIT Delhi, New Delhi-110016, India.