

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

19 December 2013

Quotations are invited for Industrial notebook to work in adverse weather conditions typical in shop floor of industries with following specifications.

**Specifications:**

1. Intel Core i5-3320M vPro Processor (2.6 GHz, Intel Smart Cache 3 MB)
2. Mobile Intel QM77 /express Chipset
3. Vibration and shock resistant (By MIL-STD-810G standards)
4. Water and dust resistant (By IP65, MIL-STD-810G standards)
5. More than 14 hours battery life from main battery (measured by MobileMark® 2007 and tested with LCD brightness: 60cd/m<sup>2</sup>) and more than 20 hrs. with the help of secondary battery. Li-ion 10.65V minimum 8100mAh battery
6. Intel HD 4000 graphics
7. 4GB, DDR3, SDRAM (extendable up to minimum 8GB)
8. Genuine Windows 7 Professional
9. HDD 500 GB
10. Display XGA type (TFT)
11. 13.1 inch high brightness outdoor display (up to 1.200 cd/m<sup>2</sup>) with circular polarizer
12. USB 3.0 super speed port
13. Interface: 2.0x3, 3.0x1, Serial port/modern Port/Lan Portx1/VGA/HDMI Port/Interface connector/Microphone jack/Headphone Jack/Expansion bus connector
14. 87 keys/touch pad/touch screen
15. Power supply: AC adaptor or Battery pack
16. AC adapter: I/p 100-240V AC, 50Hz, O/p 15.6V DC, 7.05A
17. Bluetooth version 4.0
18. Security chip: TPM (TCG V1.2 compliant)
19. PC Should sustain -10deg C to +50deg C (IEC60068-2-1,2) in operating condition and -20deg C to +60deg C (IEC60068-2-1,2) in storage condition
20. Sustaining 30 to 80 % RH (No condensation) in operating condition and 30 to 90 % RH (No condensation) in storage condition
21. Card slots:
  - a. 1 PC Card slot (Type I / Type II)
  - b. 1 ExpressCard Slot: 34/54
  - c. 1 SD Memory Card Slot: SDXC
  - d. 1 Contact Smart Card Slot as option:
22. RAM module slot x1, DDR3L SDRAM, 204-pin, 1.35V, SO-DIMM, PC3L-10600
23. LAN : IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
24. Wireless LAN: Intel Centrino Advanced N6235 or better
25. Approx power consumption of 45W (max 100W when recharging in ON state)

26. Maximum weight including hand strap: 3.75kg.
27. Possibility for connection with camera or GPS
28. Possibility of concealed mode to switch PC into silent mode and 3G mobile broadband option (HSPA+, upto 21Mbps)
29. Wave and MIDI playback, Monaural speaker
30. Size should not exceed (including carrying handle): 12x12x3 inch

Clearly marked sealed quotations (with technical bid **with compliance sheet** and price bids in separate envelopes) should be submitted on or before **2<sup>nd</sup> January 2013** (4pm) to the undersigned. Prices should be quoted with agency certificate, proprietary certificate (as applicable), payment terms and delivery schedule. No advance payment clause is accepted. Payment will be after delivery, as per standard IIT Delhi payment terms.

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