

**BHARAT HEAVY ELECTRICALS LIMITED**  
**SOLAR BUSINESS DIVISION**  
**BANGALORE - 560 012**

**ID Smart Card (Annexure - A)**

**FOR MATERIAL CODE EL7792090665 CONTACTLESS SMART ID with photography**

**Specification :-**

Contactless Smart (ID) Card with all related printing work.

Front Side of the Smart Card - Printing required (Company Logo, Name of the Company and Address in Three Languages (Kannada, Hindi and English), Employee Name, Staff No.

On the Left Side : Employee Signature  
and on Right Hand Side :: Issuing Authority.

On the back side :: ID Card Sl.No., Valid upto date, Blood Group with the Name of the Company and Phone No.

Plastic Card Holder and company Name printed (in Three Languages) as per the sample provided by BHEL alongwith Fabric TAG with BHEL Monogram and Name also printed on Fabric TAG which holds the ID Card alongwith the Clip.

Card Size : 54 X 86 MM

The contactless Smart-Card should confirm to ISO 14443 standard and Printing should be in 5 or 6 different colours on the front size and White Back Ground on the back side (viz., Blue, Yellow, Brown, Green and White, etc.,). The front side shall consists of photo ID and back ground printing on the back side of the ID Card with Black and White. The details of specific colours to be printed of each ID Card shall be provided by BHEL after placement of Purchase Order.

The smart card shall have :

1 K Bytes EEPROM, Embedded Antenna, Mifare 13.56 MHz ISO 14443A, Range of operation : about 2.5" to 3.0", Dimension: CR 80 Standard credit card size. Material: PVC.

Photograph printed coloured, Signature (2), Name, Staff No, Standard Text on Both Sides of the card, Printing front side in colour and backside Black & White.

Presently, requirement is for 600 ID Cards for which the above works are to be carried out immediately upon placement of Purchase Order.

1. Visit to BHEL SBD Bangalore for taking the photographs of employees in two batches are to be completed within a 2 weeks time from date of Purchase Order.
2. Photo coverage for taking Photos of BHEL Employees for 600 Nos. has to be taken care by the Vendor for which no extra cost shall be paid by BHEL. Coverage of Photography shall be carried out inside BHEL SBD Malleshwaram premises on all Working Days between 8.30 a.m to 4.00 p.m (minimum 2-3 working days). Total Smart ID being 1,500 Nos.
3. Smart ID Card completed in all aspects including photography and Printing has to be submitted to BHEL within 30 days from the date of completion of Photography coverage.
4. Before commencing the printing process, Approval has to be obtained from BHEL.
5. The delivery period for completing the photography and printing works and delivering the Smart Card completed in all aspects shall be 30 days from date of acceptance of Proof by BHEL. Written Email clearance will be required from BHEL.



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**BHARAT HEAVY ELECTRICALS LIMITED**  
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**ID Smart Card (Annexure - B)**

**FOR MATERIAL CODE EL7792090664 CONTACTLESS SMART ID WITHOUT photography**

**Specification :-**

Contactless Smart (ID) Card with all related printing work.

Front Side of the Smart Card - Printing required (Company Logo, Name of the Company and Address in Three Languages (Kannada, Hindi and English), Employee Name, Staff No.

On the Left Side : Employee Signature

and on Right Hand Side :: Issuing Authority.

On the back side :: ID Card Sl.No., Valid upto date, Blood Group with the Name of the Company and Phone No.

Plastic Card Holder and company Name printed (in Three Languages) as per the sample provided by BHEL along with Fabric TAG with BHEL Monogram and Name also printed on Fabric TAG which holds the ID Card along with the Clip.

Card Size : 54 X 86 MM

The contactless Smart-Card should confirm to ISO 14443 standard and Printing should be in 5 or 6 different colours on the front size and White Back Ground on the back side (viz., Blue, Yellow, Brown, Green and White, etc.,). The front side shall consists of photo ID and back ground printing on the back side of the ID Card with Black and White. The details of specific colours to be printed of each ID Card shall be provided by BHEL after placement of Purchase Order.

The smart card shall have :

- 1) 1 K Bytes EEPROM, Embedded Antenna, Mifare 13.56 MHz ISO 14443A, Range of operation : about 2.5" to 3.0", Dimension: CR 80 Standard credit card size. Material: PVC.
- 2) For 900 Smart ID Card, BHEL shall provide all required details alongwith photographs to the Vendors, upon which Printing has to be made and Proof has to be submitted to BHEL within 15 days from acceptance of Proof by BHEL.
- 3) The period of Contract shall be for a period of three years from date of PO.



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**TECHNICAL PQR FOR CONTACT LESS SMART ID CARD**

Vendor should have atleast 3 years' experience in manufacturing and printing of ID Smart IDs to other Leading Corporates / Private and limited Companies, State & Central Govt. Public Sector Undertakings.

Proof of the same by means of Purchase Order or Invoice should be submitted alongwith Offer.



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