**Buyer Added text based ATC clauses**

1. Deviation in GSM beyond (+/-) 2.5% will invite the penalty by the Buyer as per DGS&D, Directorate of Quality Assurance, Mumbai Memo No. MUM/GE/MISC/2014 dated 10.02.2014.
2. Delivery Period is essence of contract and therefore extension may be given in the rarest of rare case and that too with LD charges if the reasons for delay are attributable to Seller.
3. No Claim Certificate (Annexure-21) as per Rule 9.5 & 9.10 of Manual of Procurement of Goods is required. In the absence of No claim Certificate, final payment or releasing of Performance Guarantee may be withheld.
4. As per GeM guidelines Seller shall comply with all the necessary statutory compliances including but not limited to providing GST invoices or other documents as per GST law relating to the supply of goods and services uploading the details of invoices, payment of taxes, timely filing of valid statutory returns for the tax period in the GST Portal. In case the Input Tax Credit (ITC) is denied or demand is recovered from Buyer on account of any act / omission of the Seller in this regard, the Seller shall be liable in respect of all claim of taxes, penalty and / or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. Buyer shall have the right to recover such amount from any payment due to the Seller or from Performance Security or and other legal resource from the said Seller.
5. If pre-dispatch inspection is required before dispatch, the goods will be inspected by the Buyer / Consignee or their authorized representative or by the Nominated External Inspection Agency. Fees / charges taken by the external inspection agency and any external laboratories testing charges will be borne by the Buyer.
6. Post receipt inspection at Consignee site before acceptance of materials through Any Govt. accredited Lab will be done by the Buyer whose cost will be borne by the Seller.
7. In case of receipt of approved sample by the Seller beyond normal period (as stated in sample clause) due to the reasons attributable to the Buyer, the extension beyond normal period will be granted without LD.
8. As per GeM GTC 4.0 Para No.7 (ii) – In case of contracts placed following e-Bidding/ RA, Performance Security / Performance Bank Guarantee (PBG) (in format provided on GeM) valid for 2 months beyond the date of completion of all contractual obligations including warrantee obligations.
9. **The bidder should submit self undertaking along with e-bid technical documents regarding non-blacklisting in following format :**

**“Our firm M/s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is not blacklisted by any office of Department of Posts in India for current period.”**

1. Printing and supply of following Triplicate Barcode Stickers :

|  |  |
| --- | --- |
| Type of Barcode Stickers | Quantity (In Stickers) |
| R-net (Regd.) Barcode Sticker (Triplicate) | 1763000 |
| Speed Post Barcode Sticker (Triplicate) | 887000 |
| Parcel Barcode Sticker (Triplicate) | 1074000 |
| **Total** | **3724000 Barcode Stickers in Triplicate**  **i.e. (3724000 X 3=11172000 Stickers)**  **i.e. 3724 packets(1 Pkt= 1000 Stickers in Triplicate i.e. 1000 X 3 =3000 Stickers )** |

1. Packaging of material should be as below, failure to meet this condition will give a right of rejection to the buyer besides imposition of penalty if any :

|  |  |  |
| --- | --- | --- |
| Quantity in each Packet | Quantity in each box | Details to be Printed on Packet / box |
| 10,000 | 10 Packets | Barcode series and quantity should be mentioned on each packet and box |

1. The detail specification is mentioned in Annexure-A.

**Annexure – A**

**Specification of Speed Post Barcode Stickers**

**1) Parameters and Technical Specifications for Executing the Work**

|  |  |  |
| --- | --- | --- |
| (A) | Logo | To be printed at the top of labels as per specimen  EMS Speed Post Logo – Speed Post Stickers |
| (B) | (i) White Box size | 38 to 42 mm X 62 to 64 mm with EMS logo. |
| (ii) Overall size of each sheet | 216 to 240 mm X 124 to 128 mm with an additional margin of 10 to 15 mm on top and bottom. No margin on left and right sides. |
| (iii) Size of each barcode label | 1st barcode label bearing logo will be of 22 to 24 mm X 62 to 64 mm and 2nd label will be of size 22 to 24 mm X 62 to 64 mm. |
|  | (iv) Label Layout | The Barcode stickers should be as per convenience in A-4 size paper accommodating sufficient No. of stickers in a sheet. |
| (C) | Bar Code size | 50 to 52 mm X 9 mm |
| (D) | Code symbology | Discrete code 39 of modules UPU. |
| (E) | Character per Inch | 7 to 6 |
| (F) | (i) Print quality | The print quality will have to be assessed according to standard ANSI X 3.182 – 1990 which specifies a reader light beam diameter of 0.127 mm and light beam wave length of 630 nanometers. The minimum level of print quality shall correspond to letter “B” according to the notation of this standard. |
| (ii) Print Contrast ratio | Minimum reflective difference 35% measured at 670 mm (10 mil code). |
| (G) | U.V. Glossy Coating | The print quality should be such that, it does not deteriorate with time, peel off easily when under use and does not interfere with barcode scannability. |
| (H) | Characters to be Encoded | 13 human readable fonts and bold type |
| (I) | Die cut | Rectangular labels. |

Each Barcode label should be easily detachable with good gum and self-adhesive properties. Barcode labels should be printed on Thermal Transfer Printing / Offset Printing and laminated.

**2) Points for printing of Barcode Stickers to ensure quality.**

* **Paper**
  1. Base paper quality: Chromo Art Paper / Map Litho Paper White / Milky White, wrinkle free.
  2. 90 GSM
  3. Release Paper (Butter Type), 90 GSM
* **Gumming**
  1. Pressure Sensitive Acrylic Adhesive (Permanent)
  2. 90% static peel using Montreal method
  3. Should stick on any surface
  4. Permanent, Acrylic Emulsion bases gum
  5. Coating should be 25-20 GSM
  6. Milky white
  7. Solid content 55-60%
  8. Non-Toxic, Odorless
  9. Shelf life minimum one year
* **Ink**
  1. Good quality H6/wax – resin ribbon / Resin Ribbon to ensure waterproof and wear proof printing.
  2. Ink should not smudge on contact or upon moistening
  3. Should non be dry ink, the print should not peel off
  4. Colour used in the barcode and the multi colour logo should be consistent and should not differ from lot to lot.
* **Printing**
  1. Thermal Transfer Printing / Offset Printing (Higher resolution i.e. 300-720 dots per inch is already in practice, thus parameter should not be lowered because this can effect scanability)

**3) Barcode Specifications**

Specification of unique identification of EMS items:

The barcode should be as per code –39 of Universal Postal Union.

* Dimension X (Nominal width of narrow element) between 0.25 and 0.43 mm.
* Dimension N (Ratio of width of wide element to width of narrow element) minimum of 2.5 to 1 & maximum of 3.0 to 1. Ratio of 3.0 to 1 to be used wherever possible.
* Space between characters: Minimum of 1 X maximum of 1.524 mm when X is greater than or equal to 0.287 mm or 5.3 when X is less than 0.287 mm.
* Height of Bars: 15% of width of entire symbol or 9.0 mm whichever value is greater.
* The print quality will have to be assessed according to standard ANSI X 3.182 – 1990, which specifies a reader beam – beam diameter of 0.127 mm and alight beam wavelength of 630 to 660 nanometers. The minimum level of print quality shall correspond to letter “B” according notation to this standard.
* The Barcode should be “Unique Barcode” with 13 digits as per the UPU standards.
* In 13 characters Barcode, the eleventh character will be computer generated, check digit, following ISO “Weighted Modulus 11”. This check digit is mandatory for all Barcodes.

For e.g. EM XXXXXXXXX IN

Here, EM relates to EMS (Speed Post) product code, XM relates to EPP Barcode Stickers and RR/CP/VV relates to Foreign Barcode Stickers.

IN relates to the country code for India.

XXXXXXXXX relates to the article number out of which the last digit is a computer generated ‘Check digit’.

Deposition from left:

(1) Position of 1 & 2 : Two ‘EM’ characters.

(2) Position of 3 to 10 : Serial Numbers. If a serial number of less than 8 digits is used, leading zeros should be inserted.

(3) Position 11 : A check digit. Computer generated ISO “Weighted Modules II.

(4) Position of 12 & 13 : Two “IN” characters ISO ALPHA – 2 country code

**Specification of Registered Barcode Stickers**

**Part-I**

**Specification for Barcode for Registered and HVMO Articles**

**1.Specifications for the Registered and HVMO unique identifier (barcode) Number characters:**

13 Disposition from the left:

* + - 1. Positions 1 and 2: the characters “RR” (or “RA”, “RB”, “RC”, etc., up to “RZ”, if necessary) to indicate Registered items;
      2. Positions 3 to 10 inclusive serial number;
      3. Position 11: a check digit, computer-generated to “weighted modulus 11”;
      4. Position 12 and 13: ISO Alpha-2 country code to designate the postal administration of origin.

Example

­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R M 4 7 3 1 2 4 8 2 9 I N

1 2 3 4 5 6 7 8 9 10 11 12 13

------------ ------------------------------------------------------------------- ------- --------------

Registered Number Check “INDIA”

Item Digit

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Barcode System**

The barcode system proposed for Registered/HVMO article is the code 39 in accordance with European standard EN 800 and the AIM Uniform Symbology Specification Code 39 standard. This code must, however, correspond to the parameters described below. The barcode symbol must include, at position 11 (from the left), a check digit, computer generated to “weighted modulus 11”. The letters and digits of the barcode must also be printed in the usual manner, above or below the barcode symbol.

1. **Parameters for Code 39 Symbols**
   * Dimension X (nominal width of narrow element): between 0.25 and 0.43 mm
   * Dimension N (ratio between width of wide element and width of narrow element): minimum of 2.5 to 1 and maximum of 3.0 to 1. Ratio of 3.0 to 1 to be used wherever possible.
   * Space between characters: minimum of 1X, maximum of 1.524 mm when XZ 0.287 mm or 5.3 X when X < 0.287 mm.
   * Height of bars: 15 percent of width of entire symbol or 9.0 mm, whichever value is greater.
   * The print quality will have to be assessed according to standard ANSI X 3.182-1990, which specifies a reader light beam diameter of 0.127 mm and a light beam wavelength of 630 or 660 nanometers. The minimum level of print quality shall correspond to letter “B” according to the notation of this standard.
   * The mirror-coat paper of at least 90 GSM should be used for printing the barcode. Characters of barcode must also be printed in the usual manner below the barcode symbol. **India Post logo** should be printed on the top right corner of the sticker. The alphabet **“R”** should be printed on the left top corner of the sticker.
   * The quality of adhesive on the barcode sticker should be such that it could be easily pasted even on the glossy paper surface.
2. **Code 39 barcode characteristics**
   * The bars and spaces in code 39 barcode are binary in width the narrow bars/spaces represent a binary zero and the wide bars/spaces represent a binary one.
   * Each character is made up of 9 elements; five bars and four spaces. Three of these elements are wide and six are narrow, hence, the name code 39 barcode (3 of 9).
   * The primary algorithm is binary and is applied to both the bars and the spaces in the code. Narrow bars or spaces represent binary zero and wide bars or spaces represent binary one.
3. **Weighted modulus 11 formula**
4. Apply weighting factors to basic number using the following weighting factors 86423597.
5. Obtain the sum of these numbers.
6. Divide sum by 11 (eleven).
7. If the remainder is 0 (zero) use 5 (five) as the check digit. If the remainder is 1 (one), use 0 (zero) as the check digit.
8. If applicable, subtract remainder from 11. The result is the check digit.

Example:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number 4 7 3 1 2 4 8 2

Weighting factors x 8 x 6 x 4 x 2 x 3 x 5 x 9 x 7

32 +42 +12 +2 +6 +20 +72 +14 = 200

-------------------------------------------------------------------------------

200: 11 = 18 Remainder 2

11 – 2 = 9 Check digit

-------------------------------------------------------------------------------

Complete self checking number 473 124 829

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### Part -II

|  |  |  |
| --- | --- | --- |
| (A) | Logo | Part – I above 3 (vi) |
| (B) | (i) White Box size | 22 to 24 mm X 62 to 64 mm with India Post Logo |
| (ii) Overall size of each sheet | 216 to 240 mm X 124 to 128 mm with an additional margin of 10 to 15 mm on top and bottom. No margin on left and right sides. |
| (iii) Size of each barcode label | 1st barcode label bearing logo will be of 22 to 24 mm X 62 to 64 mm and 2st barcode label bearing logo will be of 22 to 24 mm X 62 to 64 mm. |
|  | (iv) Label Layout | The Barcode stickers should be as per convenience in A-4 size paper accommodating sufficient Number of stickers in a sheet. |

**Specification for Parcel Barcode Stickers**

**Part-I**

1. Specification for the Parcel articles unique identifier (Barcode)

**Number of characters:**

13 Disposition from the left :

* Positions 1 and 2 : the Character “CM”, to indicate parcel items.
* Position 3 to 10 inclusive serial number,
* Position 11 : a check digit, computer-generated to “weighted modules 11”,
* Position 12 and 13 : ISO Alpha-2 country code to designate the postal administration of origin.

Example :

C M 4 7 3 1 2 4 8 2 9 I N

1. 2 3 4 5 6 7 8 9 10 11 12 13

Parcel Number Check “India”

Item Digit

1. **Barcode system:**

The Barcode system proposed for a Parcel article is the code 39 in accordance with European standard EN 800 and the AIM Uniform Symbology Specification Code 39 standard. This code must, however, correspond to the parameters described below. The barcode system must include, at position 11 (from the left), a check digit, computer-generated to “weighted modulus 11”. The letters and digits of the barcode must also be printed in the usual manner, above or below the barcode symbol.

1. **Parameters for Code 39 Symbols :**

* Dimension X (nominal width of narrow element) : between 0.225 and 0.43 mm.
* Dimension N (ratio between width or wide element and width of narrow element) : minimum of 2.5 to 1 and maximum of 3.0 to 1. Ratio of 3.0 to 1 to be used wherever possible.
* Space between character: minimum of 1X, maximum of 1.524 mm when X> 0.287 mm or 5.3 X when X < 0.287 mm.
* Height of bars: 15 percent of width of entire symbol or 9.0 mm, whichever value is greater.
* The print quality will have to be assessed according to standard ANSI X3. 182-1990, which specifies a reader light beam diameter of 0.127 mm and a light beam wavelength of 630 or 660 nanometers. The minimum level of print quality shall correspond to letter “B” accordingly to the notation of this standard and would be grade 3 or better according to EN ISO/IEC 154 16.
* Quiet zone : 10 X module width (Left and right), 2 x module width (top and bottom)
* The mirror-coat paper of at least 90 GSM should be used for printing the barcode. Characters of barcode must also be printed in the usual manner below the barcode symbol India Post logo should be printed on the top right corner of the stickers. The alphabet “C” should be printed on the left top center of the stickers in black.
* The quality of adhesive on the barcode sticker should be such that it could be easily pasted even on the glossy paper surface.

1. **Code 39 Barcode Characteristics**

* The bars and spaces in code 39 barcode are binary in width the narrow bars/spaces represent a binary zero and the wide bars/spaces represent a binary one.
* Each character is made up of 9 elements; five bars and four spaces. Three of these elements are wide and six are narrow, hence, the name code 39 barcode (3 of 9).
* The primary algorithm is binary and is applied to both the bars and the spaces in the code. Narrow bars or spaces represent binary zero and wide bars or spaces represent binary one.

1. **Weighted modulus 11 formula**
2. Apply weighting factors to basic number using the following weighting factors 86423597.
3. Obtain the sum of these numbers.
4. Divide sum by 11 (eleven).
5. If the remainder is 0 (zero) use 5 (five) as the check digit. If the remainder is 1 (one), use 0 (zero) as the check digit.
6. If applicable, subtract remainder from 11. The result is the check digit.

Example:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number 4 7 3 1 2 4 8 2

Weighting factors x 8 x 6 x 4 x 2 x 3 x 5 x 9 x 7

32 +42 +12 +2 +6 +20 +72 +14 = 200

-------------------------------------------------------------------------------

200: 11 = 18 Remainder 2

11 – 2 = 9 Check digit

-------------------------------------------------------------------------------

Complete self checking number 473 124 829

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### Part -II

|  |  |  |
| --- | --- | --- |
| (A) | Logo | Part – I above 3 (vii) |
| (B) | (i) White Box size | 22 to 24 mm X 62 to 64 mm with India Post Logo |
| (ii) Overall size of each sheet | 216 to 240 mm X 124 to 128 mm with an additional margin of 10 to 15 mm on top and bottom. No margin on left and right sides. |
| (iii) Size of each barcode label | 1st barcode label bearing logo will be of 22 to 24 mm X 62 to 64 mm. |
|  | (iv) Label Layout | The Barcode stickers should be as per convenience in  A-4 size paper accommodating sufficient Number of stickers in a sheet. |