

Anx - A

Tender No 23.27.0000.166.15.4112316.21.22

dt 17-07-2021

NECESSARY DETAILS

| Ser No | Nomenclature & Specification   | Unit | Qty | Rates (Taka) (in figure & Word) | Rmks |
|--------|--|------|-----|---------------------------------|------|
| (1)    | (2)  | (3)  | (4) | (5)                             | (6)  |
|        | <b>1<sup>st</sup> Draw Machine with all standard and additional accessories as per specification below :</b>   | No   | 01  |                                 |      |
|        | 1. <b>Model</b>  |      |     | To be mentioned                 |      |
|        | 2. <b>Name of the Machine (Designation):</b>   |      |     | To be mentioned                 |      |
|        | 3. <b>Purpose:</b><br>This machine is used to carry out first drawing/ extrusion of the cartridge cases (As per BOF sample & drawing). Complete video clip showing its working principal to be submitted with the technical offer. |      |     | To be complied                  |      |
|        | 4. <b>Input Material: Case Cup (Made from GMCS Strip):</b> (As per BOF sample & drawing)<br>a) Length: 11.7 mm<br>b) Outer Dia: 15.02 ~ 15.15 mm<br>c) Wall Thickness Difference: ≤0.12 mm (at portion 7 mm from the head)         |      |     | To be complied                  |      |
|        | 5. <b>Output Material: 1<sup>st</sup> Draw Cup:</b> (As per BOF sample & drawing)<br>a) Length: 19.5 ~ 22 mm<br>b) Outer Dia: 13.1 ~ 13.17 mm<br>c) Wall Thickness Difference: ≤0.12 mm (at portion 15 mm from the head)           |      |     | To be complied                  |      |
|        | 6. <b>Specification:</b>   |      |     |                                 |      |
|        | a. Caliber (mm)  |      |     | Ball T-56 (7.62x 39mm)          |      |
|        | b. Production Rate (Pcs/min)   |      |     | 220 (Minimum)                   |      |
|        | c. Number of Stations  |      |     | To be mentioned                 |      |
|        | d. Power Supply  |      |     | 220/380/440 V, 50 Hz            |      |
|        | e. Phase   |      |     | To be mentioned                 |      |
|        | f. Main Motor (hp)   |      |     | To be mentioned                 |      |
|        | g. Lubricating system  |      |     | To be mentioned                 |      |
|        | h. Compressed air requirements (psi)   |      |     | To be mentioned                 |      |
|        | j. Control Cabinet Size (LxWxH) mm   |      |     | To be mentioned                 |      |
|        | k. Overall dimension (LxWxH) mm  |      |     | To be mentioned                 |      |

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|--------|------------------------------|---|------|-----|---------------------------------|---------------------------|
| (1)    | (2)                          |   | (3)  | (4) | (5)                             | (6)                       |
|        |                              | l. Net Weight (Kg)  |      |     |                                 | To be mentioned           |
|        |                              | m. Year of Manufacture to be embossed in the main body  |      |     |                                 | To be complied            |
| 7.     |                              | Optional equipment (if any) required to complete the process:   |      |     |                                 | To be mentioned in detail |
| 8.     |                              | <b>Latest Feature/ Technology</b> (If available)  |      |     |                                 | To be mentioned           |
| 9.     |                              | <b>Spares, Accessories and Consumable Items:</b>  |      |     |                                 | To be Provided            |
|        | a.                           | Required spares, accessories and consumables (Tools, Die, Punch, Gauges, etc.) Lubricating oil, Coolant, Filter, Battery, Online UPS, etc. as required to run initially (from trial running to the end of local training and 0.5 million production) the machine to be supplied by the manufacturer with the machine. |      |     |                                 | To be Provided            |
|        | b.                           | Required Tools, Die, Punch, Gauges, etc. for 01 year period smooth operation (20 million production) will be supplied with the machine mentioning price, part No, brand, material & drawing (only for the reference of further procurement).  |      |     |                                 | To be Provided            |
|        | c.                           | Required spares, accessories and consumables (Mechanical/ Electrical & Electronic) for 01 year period smooth operation will be supplied with the machine mentioning price & part No., brand, material & drawing .   |      |     |                                 | To be Provided            |
|        | d.                           | List of spares, accessories and consumables (including price, mentioning part No, brand, material & drawing.) recommended for 5 year period (Mechanical/ Electrical & Electronic) required for smooth operation of the machine after the expiry of warranty period (only for the reference of further procurement).   |      |     |                                 | To be Provided            |
|        | e.                           | List of spares, accessories and consumables (including price, mentioning part No, brand, material & drawing.) recommended for life time period (Mechanical/ Electrical & Electronic) smooth operation of the machine after the expiry of warranty period (only for the reference of further procurement).             |      |     |                                 | To be Provided            |
| 10.    |                              | <b>Country of Origin and Assemble:</b> Group 'B' Countries  |      |     |                                 | To be mentioned           |

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| (1)    | (2)  |                 | (3)  | (4) | (5)                             | (6)  |
| 11.    | Port of Shipment: Group 'B' Countries (As per country of origin)   | To be Complied  |      |     |                                 |      |
| 12.    | County of Manufacturer   | To be mentioned |      |     |                                 |      |
| 13.    | Name of Manufacturer   | To be mentioned |      |     |                                 |      |
| 14.    | Name of the principal  | To be mentioned |      |     |                                 |      |
| 15.    | Country of Origin of all major components : Group 'B' Countries  | To be Mentioned |      |     |                                 |      |
|        | a. Main Motor  | To be Mentioned |      |     |                                 |      |
|        | b. Major Mechanical & Electrical Part.   | To be Mentioned |      |     |                                 |      |
|        | c. Any other major component   | To be Mentioned |      |     |                                 |      |
| 16.    | <b>Post Installation Requirement at BOF:</b>   |                 |      |     |                                 |      |
|        | a. It is the responsibility of supplier to fully integrate, erect and commission the machine at our identified site/ room  | To be Complied  |      |     |                                 |      |
|        | b. Performance and accuracies are to be demonstrated as per ISO Standards on supplied samples by us and on Calibration Standards supplied by the supplier  | To be Complied  |      |     |                                 |      |
|        | c. Extensive training (minimum 10 working days excluding installation and commissioning period) of BOF personals by the Supplier's Technical team at our site after installation and commissioning of the machine to be provided. The training should cover complete operation, application software usage in all aspects of measurement and data analysis, part programming, calibration, basic & preventive maintenance and troubleshooting etc. | To be Complied  |      |     |                                 |      |
|        | d. Supplier shall bring all necessary calibration standards, calibration equipment for proving the machine accuracies with valid traceability certificates at our site.  | To be Complied  |      |     |                                 |      |
| 17.    | <b>Documentation:</b> The following documents (hard copy 2 sets & soft copy in CD/ Flash Drive/ HDD) shall be provided by supplier:  | To be Provided  |      |     |                                 |      |
|        | a. All the data and results of testing and calibration of the machine at supplier's site shall be properly documented and supplied to BOF. Calibration Certificates (traceable to National/International Standard) of all the artifacts/reference standards used for the same to be provided.  | To be Provided  |      |     |                                 |      |

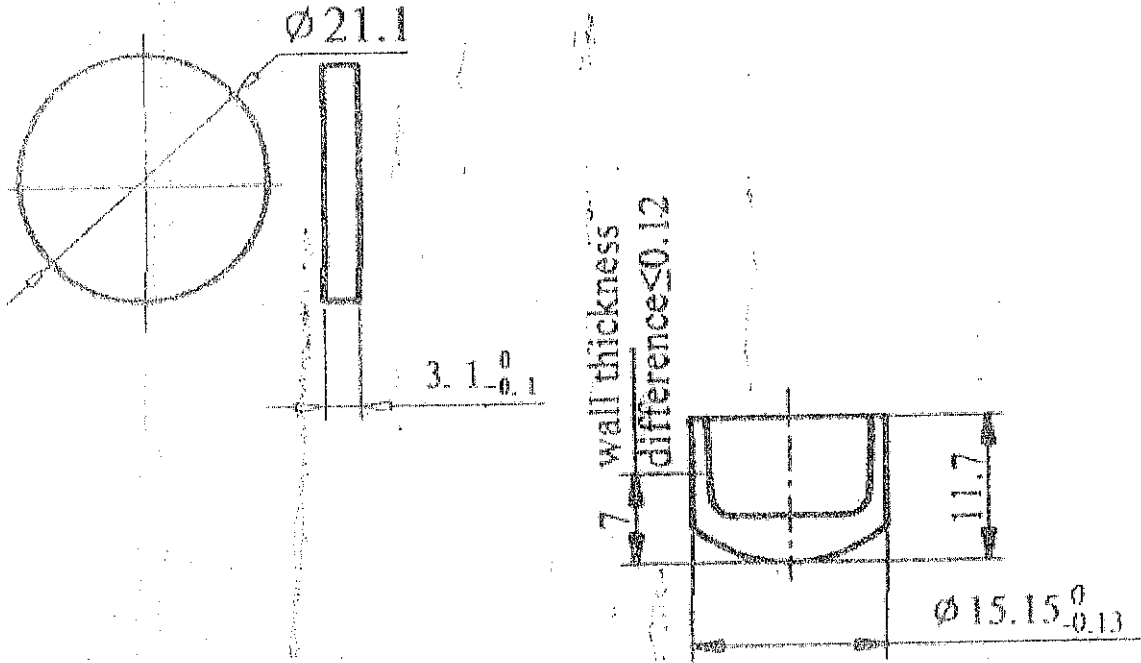
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|--------|---|------|-----|---------------------------------|------|
| (1)    | (2)   | (3)  | (4) | (5)                             | (6)  |
|        | b. <b>Operations, Calibration &amp; Application software Manual:</b><br>This document should explain all the measurement options, terms, operation, calibration, application of the system with sketches and detailed explanation.  |      |     |                                 |      |
|        | c. <b>System administration &amp; Maintenance/ Service manual:</b><br>This document should explain the detailed system configuration and administration including controller, probe head with the help of sketches. System manual should explain known possible errors and solution for the same. User manual and service manual (for both Mechanical and Electronic Hardware/ Circuits) in English language. |      |     |                                 |      |
|        | <b>18. After Sales Support:</b>   |      |     |                                 |      |
|        | a. Supplier should guarantee the availability of spares, software/ firmware updates and additional add-on modules for at-least 10 years from date of expiry of warranty.  |      |     |                                 |      |
|        | b. Customer support facility shall be made available for at least 05 (five) years after expiry of the guarantee period.   |      |     |                                 |      |
|        | c. Online remote diagnostic till the machine life/ online help for maintenance application. ( if available)   |      |     |                                 |      |
|        | d. Online help support for system Queries/ Application support.   |      |     |                                 |      |
|        | e. Service facilities and personnel availability.   |      |     |                                 |      |
|        | f. Service personnel to attend any fault within 3 days after receipt of the information, whenever called for.   |      |     |                                 |      |
|        | <b>19. Warranty:</b>  |      |     |                                 |      |
|        | a. The machine shall have warranty for a minimum period of 12 months or more after commissioning for defect free operation at specified accuracies in our site.   |      |     |                                 |      |
|        | b. Any defect observed during the warranty period shall be replaced/repared free of cost with minimum down time. All the software updates during the warranty period shall be supplied, installed and trained to our personnel on real time basis at free of cost.  |      |     |                                 |      |

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1ST DRAWING PRESS MACHINE

Caliber: Ball T- 56 (7.62×39 mm)

Input Component Drawing



Net weight: pc/kg  $\approx 109^m$

kg/10000 pcs

*SAE/CC-2*

*Handwritten signature*

*Handwritten signature*

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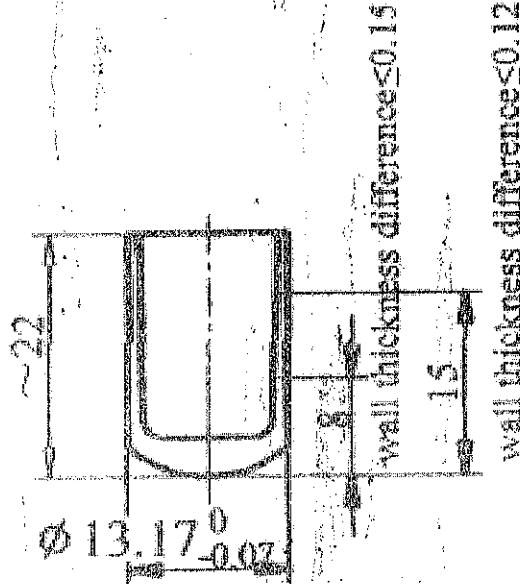
সীমিত

**1<sup>ST</sup> DRAWING PRESS MACHINE**

**Caliber: Ball T- 56 (7.62×39 mm)**

**Output Component Drawing**

Sketch



Net weight: pc/kg

kg/10000 pcs

*Ben*  
SAE/CC-2

*Rishul*

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