

3

INDENT NO- 20186660

## TECHNICAL SPECIFICATIONS OF PIPE BEVELLING MACHINE

NOTE :-

1. The vendor should fill the "Offered" Column in compliance to specified requirements and also "Deviations" Column
2. The offer and all documents enclosed with offer should be in English language only.

ADDRESS OF THE SUPPLIER :

TELEPHONE NOS.:

FAX NOS.:

E-MAIL ADDRESS :

### SCOPE: SUPPLY & COMMISSIONING OF PIPE BEVELLING MACHINE

| SL.NO. | DESCRIPTION FOR BHEL REQUIREMENT                                                         | Offers                                           | Deviation | Remarks |
|--------|------------------------------------------------------------------------------------------|--------------------------------------------------|-----------|---------|
| 1.0    | Application- Edge preparation (Facing /beveling) of tubes/ pipe ends for welding purpose |                                                  |           |         |
| 2.0    | Technical Specification                                                                  |                                                  |           |         |
| 2.1    | Type- Portable & electrically operated                                                   |                                                  |           |         |
| 2.2    | Power Supply                                                                             | 220V $\pm 10\%$ , 50 Hz $\pm 3\%$ , Single Phase |           |         |
| 2.3    | Capacity Range                                                                           | Locking Dia.: 49 mm (ID) to 203 mm (OD)          |           |         |
| 2.4    | Multi shaft design to accommodate full ID range                                          | Vendor to Specify                                |           |         |
| 2.5    | Power                                                                                    | 1000W (min)                                      |           |         |
| 2.6    | Torque                                                                                   | Vendor to Specify                                |           |         |
| 2.7    | Axial Feed Travel                                                                        | Vendor to Specify                                |           |         |
| 2.8    | Noise Level                                                                              | < 85 dB (under load)                             |           |         |
| 2.9    | Weight                                                                                   | Upto 25 kg                                       |           |         |
| 3.0    | Scope of Supply                                                                          |                                                  |           |         |
| 3.1    | Portable & electrically operated pipe bevelling machine as per technical specification   |                                                  |           |         |
| 3.2    | Input cable with connecting plug (min 5 meter long)                                      |                                                  |           |         |

14/02/19

14-03-19

21/03/19

21/03/19

2

|       |                                                                                                                                                                                                                     |                      |  |  |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|--|
| 3.3   | Complete with accessories like multiple shaft assemblies covering full range of ID, tool holder, cutting blades/ cutters suitable for facing/ bevelling operation, each indicating unit price & identification nos. |                      |  |  |
| 3.3.1 | Bevelling Blade/cutter 30 Deg External Stainless and alloy steels                                                                                                                                                   | 10 no                |  |  |
| 3.3.2 | Bevelling Blade/cutter 45 Deg External Stainless and alloy steels                                                                                                                                                   | 5 No                 |  |  |
| 3.3.3 | Bevelling Blade/cutter Facing Stainless and alloy steels                                                                                                                                                            | 5 No                 |  |  |
| 3.4   | Spares:                                                                                                                                                                                                             |                      |  |  |
| 3.4.1 | Bearing                                                                                                                                                                                                             | 1 set                |  |  |
| 3.4.1 | Gear unit                                                                                                                                                                                                           | 1 set                |  |  |
| 3.4.3 | Armature                                                                                                                                                                                                            | 1 no                 |  |  |
| 3.4.4 | Series of Brush                                                                                                                                                                                                     | 1 no                 |  |  |
| 3.4.5 | Tooth Pinion                                                                                                                                                                                                        | 1 set                |  |  |
| 3.5   | O&M Manuals including following-                                                                                                                                                                                    | 3 sets of following- |  |  |
| 3.5.1 | 1. Operating instructions.<br>2. Maintenance instructions.<br>3. Assembly diagrams.<br>4. Dos & Don'ts likely problems & their remedies.<br>5. List of major components, their makes and specification.             |                      |  |  |
| 4.0   | Commissioning & job proving at BHEL Works by the vendor                                                                                                                                                             |                      |  |  |
| 5.0   | 12 months warranty for smooth & trouble free working from the date of commissioning .                                                                                                                               |                      |  |  |

*[Signature]*  
14/03/19  
Prabhat Kaur

*[Signature]*  
14/03/19  
A. Madeem

*[Signature]*  
14/03/19  
Sr. Enj. EMT

*[Signature]*  
14/03/19  
Sr. Enj. ACM

*[Signature]*  
13/03/19  
(RRK/WT)