

TECHNICAL SPECIFICATION & PREQUALIFICATION CRITERIA

TECHNICAL SPECIFICATION

1. Electrode Holder (Fully insulated) for rated current 600 amperes at 35 % Duty Cycle as per IS 2641: 1989 (latest) or relevant standard.
2. Electrode holder is suitable for electrode diameter 2.4 mm to 6.3 mm.
3. Electrode Holder Jaw - Open Type.
4. Maximum Distance between the Handle (Lower portion) and lever (top surface) shall be 85 mm maximum. Refer the Schematic diagram of electrode holder.
5. Weight of electrode holder - Maximum 600 grams.
6. Electrode holder has "ball point connection for clamping welding cable" or "cable connection by brass nut and conical pin connecting method". One Allen key is supplied along with each electrode holder in case of ball connection.

7. Electrode holder shall permit following point.

- 7.1. The safe and rapid fitting of electrodes and release of stub ends.
- 7.2. The design of the electrode holders shall be such that under normal conditions of service, it shall be possible to weld with electrodes in any position in the holder until a stub of only 40 mm in length remains without damage to the holder.
- 7.3. The electrode to be pulled off the work piece in the event of unwanted sticking to the work piece.
- 7.4. The clamping of all electrode diameters as specified (from diameter 2.4 mm to 6.3 mm) without pressure being exerted by the operator.
- 7.5. Electrode holder is suitable for 35 square mm welding cable and 50 square mm welding cable.
- 7.6. Electrode holder spring force such as it is, electrode holder lever is effortlessly compressed and simultaneously it shall hold Welding electrodes properly during welding process.
- 7.7. Electrode holders shall have the provision for alternative positions for gripping electrodes to avoid the necessity for bending the electrodes when welding in different positions.
- 7.8. Electrode holder handle shall have proper gripping.

8. Electrode holder test certificate as per relevant standard is required along with supply.

PRE QUALIFICATION CRITERIA

Sl. No.	Pre-Qualification requirements	Bidder reply
1	Warranty/guarantee of one year from date of acceptance of material at BHEL TRICHY for manufacturing defect and material quality.	
2	Bidder has understood the tender specifications. Hence bidder quoted for the enquiry.	
3	Quoted electrode holder Brand.	
4	Quoted electrode holder catalogue / photo is required.	
5	Kindly provide the distance between the Handle (Lower portion) and lever (top surface). Refer the Schematic diagram of electrode holder.	
6	Electrode holder testing certificate as per quoted standard is required along with supply.	

Note: BHEL reserves its right to reject the bidder offer on account of unsatisfactory past performance by the bidder in awarded Purchase order.