

Specification For Induction hardening of components required for Draw works assembly

INTRODUCTION

BHEL has a requirement for Induction Hardening of various components of Draw works Assemblies, applicable for E760, E1400 and E2000 rigs. These jobs are of various sizes and the teeth profile varies from item to item. The technical parameters of all these items are as under:

- Depth of hardness is 1.6 mm for all items.
- Hardness value shall be 401 BHN
- The surface area for present tender is approximately two lakh forty thousand square centimeters

All applicants need to meet the following pre qualification criteria.

- ✓ Applicant should have a valid registration of the firm, PF, ESI, ITCC, PAN number.
- ✓ Solvency certificate issued by a bank.
- ✓ Evidence of Similar contract executed.
- ✓ Vendor shall have facilities of
 1. Induction hardening equipment of medium frequency.
 2. Induction coils with provision for flow of quenching media to be arranged by vendors
 3. Hardness test facility to check hardness on tooth profile.

Vendors who are qualified will have to submit their most competitive price on Rs per sq.cm basis.

- The purpose is to operate a rate contract for a period of **one year**.

All applications received shall be screened by a tender committee.

Applications which do not meet the pre qualification requirements are liable to be rejected. All vendors who meet the pre qualification requirements shall be short listed and tender documents shall be issued to the short listed applicants.