PRE-QUALIFICATION CRITERIA FOR TURBO COMPRESSOR INSTALLATION TO DRG NO.SB 3336-00-11

1.Firm shall have core competence in Reverse Engineering/Design CAD and manufacturing CAM of radial / Axial impeller.

(2) Firm shall have its own tie-up for source of raw materials used in high temperature stator / Rotor applications if required.

(3) The outsourced material from outside India will be restricted only to the Raw material sourcing. All other value addition including metal cutting, heat treatment, quality checking and surface finishing will be with in India.

(4) The firm should have the manufacturing facilities of thin walled steel (1.50 -.50mm thick) and Aluminum casting, machining with closed positional / geometrical accuracies or tie-up with firms in India which having such facilities.

(5) the firm have its own quality, metrology facilities with CMM machines, so that the axial radial impellers could be closely control during the metal cutting process or tie-up with firms in India which has such facility.

(6) The firm shall have own manufacturing facility to manufacture Axial / impellers and blades with their own '5' Axis CNC machine centers or tie-up with firms in India which has such facility.

(7) The firm shall have adequate facilities to take up dynamic balancing of rotating impellers with the shaft at 50,000 RPM or tie-up with firms in India which has such facility.

(8) The firm shall have its own facilities or tie-up with firms in India which having the facilities and core competence for friction welding.

(9) The firm will submit list of its past products and details of customers, application of its supplied products, machineries at the time of bidding.

(10) The firm shall have its own test rig or tie-up with other firms in India which having the test rig to test the Turbocharger.

(11) The firm should submit the list of available plant & machineries and copy of tie-up arrangements being used.

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