

## 1.1 Equipment Qualification Criteria for Desuperheaters

1.1.1 Unless otherwise specified elsewhere, the Equipment Qualification Criteria (EQC) specified vide para 1.1.2 thru 1.1.4 of this specification shall be applied for acceptance of the offered de-superheater model.

1.1.2 The vendor shall be an established manufacturer of de-superheaters and having adequate engineering, manufacturing and testing facilities for de-superheaters as per ASME Sec-VI /Div-1 / IBR.

1.1.3 a) The de-superheater model offered shall be from the existing de-superheater model series in the regular manufacturing range of the vendor. The mechanical as well as the hydraulic performance for the complete range of operation of the offered model shall have been established in the shop test. The offered de-superheater model shall meet the minimum service and manufacturing experience requirements specified in clause# 1.1.3 b) below.

1.1.3 b) De-superheaters shall be identical or validly similar in terms of parameters, Performance, Inlet flow, Operating Pressure & Temperature, De-superheating Liquid, Mechanical Design, Materials, etc. as compared to at least TWO UNITS of the proposed model designed, manufactured, tested and supplied from the proposed manufacturing plant in the last fifteen years and at least ONE of these units shall have successfully operated in the field for at least 8000 hours individually without any major problem as on the date of issue of inquiry.

1.1.4 In case the vendor is a licensee / member of a group company and does not meet on his own, the experience criteria of clause # 1.1.3 b), the vendor can substitute the references of his Collaborator (licensor) / another member of the group company, who shall also be a regular manufacturer of the proposed de-superheater model, provided the following conditions are met by the vendor.

1.1.4.1 The vendor shall be a regular & established manufacturer of de-superheaters (as per ASME Sec-VI /Div-1 / IBR) and shall have supplied smaller & larger sizes of de-superheater models of the same series (if applicable), from the proposed manufacturing plant and proves to

the satisfaction of the purchaser that the vendor does possess the manufacturing & testing facilities for the offered de-superheater model.

1.1.4.2 The vendor's collaborator (licensor) / the member of group company whose references are being used to establish proven track record of the proposed de-superheater model, meets the criteria as per 1.1.3.

1.1.4.3 The vendor's license agreement is valid and continues to remain valid till, at least TWO years after the delivery of the de-superheaters.

1.1.4.4 The vendor shall have adequate testing facilities and shall carry out all the inspection and tests as specified in the inquiry/order at the proposed manufacturing plant from where the vendor intends to supply the proposed de-superheater model.

1.1.4.5 The vendor shall indicate the details of such arrangement in the proposal.

#### 1.1.5 PROVEN TRACK RECORD (PTR)

The vendor shall complete the Experience Record Performa's enclosed with the inquiry document to amply prove that the offered de-superheaters meet the EQC for technical acceptance. Special attention is drawn to applications involving high pressure, high/low operating temperature and high/low flows. The vendor shall also identify the imported components against each specific reference in the PTR. The vendor may furnish additional information to justify that the EQC is being met. In addition, manufacturer's catalogue and general reference list for De-superheaters shall also be furnished along with the proposal.