

## Pre- Qualification Criteria & Technical Specification

**Item description: DM water for Hydro Test & Degreasing of Nuclear Steam Generators/Reactor Headers for 700MWe NPCIL projects.  
Qty.: 1300 MT**

Sl.No	DESCRIPTION	Vendor to confirm	Vendor's Reply (To be filled)
<b>1</b>	<b>Experience</b>		
1.1	<i>The vendor shall enclose a purchase order copy against their experience (PO date shall be on or after <b>01.01.2021</b>) in the supply of similar group of products/ materials as in the Specifications.</i>	<i>Attached / Not Attached</i>	
<b>2</b>	<b>Delivery Period</b>		
2.1	<i>a) Staggered delivery within 730 days from the date of PO. b) Staggered delivery throughout the year based on requirement projected by indenter. c) Vendor shall supply the required demineralized water within 2 days of intimation by BHEL.</i>	<i>Accepted / Not Accepted</i>	
<b>3</b>	<b>Specification &amp; Scope of work</b>		
3.1	<p>1. Quality of De-Mineralized water to be supplied at BHEL works.</p> <ul style="list-style-type: none"> <li>• Colourless, Odorless and Clean</li> <li>• pH at 25 deg.C – 6.8 to 7.5</li> <li>• Conductivity at 25 deg. C less than 10 micro Siemens per cm</li> <li>• Chloride and sulfur (Cl, S/SO4) content less than 0.5 ppm.</li> </ul> <p>2. Staggered delivery requirement up to 2 years from the date of Purchase Order – approx. total qty. - 1300 Tons.</p> <p>3. Supply frequency - Staggered delivery throughout the year based on requirement projected by indenter.</p> <p>4. Delivery of DM water to Storage tank inside BHEL works at location - ATP/SHOP/169/164/130/165 area.</p> <p>5. Vendor shall supply the required demineralized water within 2 days of intimation by BHEL.</p> <p>6. Acceptance &amp; Unloading of demineralized water at BHEL shops will be based on the certification by BHEL Plant Lab.</p> <p>7. The tanker carrying demineralized water shall be suitably lined or have SS tanks.</p> <p>8. Transportation of demineralized water from supplier works to BHEL shops and to all storage tanks at locations mentioned in sl.no.4 is under the scope of supplier.</p> <p>9. Filling of storage tanks:</p> <ul style="list-style-type: none"> <li>a) Filling of storage tanks is under scope of supplier.</li> <li>b) Supplier shall bring their own Diesel/Kerosene operated pump for pumping water into storage tank.</li> <li>c) The inlet shall be provided near the tank.</li> <li>d) The head to which the demineralized water has to be pumped shall be around 8 meters.</li> <li>e) Connecting hose of around 40 meters (flexible PVC hose) for connecting pump to inlet of storage tank shall be brought by supplier.</li> </ul> <p>10. Quantity certification shall be through Weigh Bridge at BHEL works.</p> <p>11. Vendor should be capable of supplying DM Water in the range of 5 Tons /12 Tons/25 Tons in one transit as per job requirement.</p> <p>12. The vendor should have already supplied demineralized water for industrial application meeting specification of requirements.</p>	<i>Accepted / Not Accepted</i>	

