

**NTPC LTD**  
**CC-OS**  
**EOC NOIDA**

**Sub: Qualifying Requirement for Vendor Enlistment for supply of Hydrazine Hydrate 80%, IS:12086**

A)	MEG DETAILS		
	1.0	MEG NO.	10MEC-17
	2.0	MEG DESCRIPTION	Hydrazine Hydrate 80%, IS:12086
	3.0	RESPONSIBILITY CENTRE	SR
B)	<b>Technical Criteria of QR:</b> 1. The applicant should be a manufacturer/Supplier of Hydrazine Hydrate. 2. The applicant should have supplied Hydrazine Hydrate as per IS-12086.		
C)	<b>Other Documents to be submitted:</b> In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the Applicants applying for enlistment:- 1. Three POs of the highest executed values of similar work during previous five years from the date of application. Copy of Invoice / Completion certificate from the concerned buyer/s in support of successful execution of supply against the POs to be submitted. 2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date of application. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 3. Latest annual report OR NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / Certificate of registration from the concerned excise department / any other statutory document as a proof of being manufacturer of the required material. 4. Any other documents in addition to the above which the applicant wants to submit.		
D)	NOTE-1	Similar works means: Supply of Hydrazine Hydrate as per IS 12086	
	NOTE-2	The executed value means Basic value of quantity of similar works executed/supplied against the reference PO(also applicable to partly executed POs as on date of application).Where PO value is composite(i.e. including Taxes etc.),the applicant to give item-wise break-up of Composite PO value mentioning Basic Value, Taxes etc.	

**NTPC LTD**  
**CC-OS**  
**EOC NOIDA**

**Sub: Technical Specifications for Vendor Enlistment for supply of Hydrazine Hydrate 80%, IS:12086**

A)	MEG DETAILS																																																										
	1.0	MEG NO.	10MEC-17																																																								
	2.0	MEG DESCRIPTION	Hydrazine Hydrate 80%, IS:12086																																																								
	3.0	RESPONSIBILITY CENTRE	SR																																																								
B)	<p><b>Technical Specifications:</b> GENERAL</p> <p>The material shall be colourless liquid free from visible impurities and suspended particles.</p> <p>Packing in 30/ 50/ 200 Litre New HDPE / PP containers as per site requirement.</p> <p>Unit Measure : Kgs</p> <p>REQUIREMENT</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Characteristics</th> <th>Unit</th> <th>Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Purity (as hydrazine hydrate), Min</td> <td>% by mass</td> <td>80</td> </tr> <tr> <td></td> <td>Relative density, 20<sup>o</sup> C / 20<sup>o</sup> C, Min</td> <td>--</td> <td>1.05</td> </tr> <tr> <td></td> <td>pH of 1% solution at 20<sup>o</sup> C, Min</td> <td>--</td> <td>10.5</td> </tr> <tr> <td></td> <td>Boiling range</td> <td><sup>o</sup> C</td> <td>115 – 119</td> </tr> <tr> <td></td> <td>Colour, Max</td> <td>Hazen units</td> <td>10</td> </tr> <tr> <td></td> <td>Residue on evaporation, Max</td> <td>% by mass</td> <td>0.01</td> </tr> <tr> <td></td> <td>Ash content, Max</td> <td>g / 100 ml</td> <td>0.003</td> </tr> <tr> <td></td> <td>Ammonia content (as NH<sub>3</sub>), Max</td> <td>% by mass</td> <td>0.3</td> </tr> <tr> <td></td> <td>Iron (as Fe), Max</td> <td>ppm</td> <td>5</td> </tr> <tr> <td></td> <td>Copper (as Cu), Max</td> <td>ppm</td> <td>5</td> </tr> <tr> <td></td> <td>Silica (as SiO<sub>2</sub>), Max</td> <td>ppm</td> <td>5</td> </tr> <tr> <td></td> <td>Chloride (as Cl), Max</td> <td>ppm</td> <td>5</td> </tr> <tr> <td></td> <td>Sulphates (as SO<sub>4</sub>), Max</td> <td>ppm</td> <td>5</td> </tr> </tbody> </table> <p>Quality Plan :</p> <p>Acceptance of material based on Inspection and testing at NTPC station site for Hydrazine Hydrate Purity contents and for other parameters manufacturers / Government Lab./NABL accredited laboratory test certificate along with consignment.</p> <p>END USE : Steam Water Cycle system.</p>			S.No.	Characteristics	Unit	Requirement	1	Purity (as hydrazine hydrate), Min	% by mass	80		Relative density, 20 <sup>o</sup> C / 20 <sup>o</sup> C, Min	--	1.05		pH of 1% solution at 20 <sup>o</sup> C, Min	--	10.5		Boiling range	<sup>o</sup> C	115 – 119		Colour, Max	Hazen units	10		Residue on evaporation, Max	% by mass	0.01		Ash content, Max	g / 100 ml	0.003		Ammonia content (as NH <sub>3</sub> ), Max	% by mass	0.3		Iron (as Fe), Max	ppm	5		Copper (as Cu), Max	ppm	5		Silica (as SiO <sub>2</sub> ), Max	ppm	5		Chloride (as Cl), Max	ppm	5		Sulphates (as SO <sub>4</sub> ), Max	ppm	5
S.No.	Characteristics	Unit	Requirement																																																								
1	Purity (as hydrazine hydrate), Min	% by mass	80																																																								
	Relative density, 20 <sup>o</sup> C / 20 <sup>o</sup> C, Min	--	1.05																																																								
	pH of 1% solution at 20 <sup>o</sup> C, Min	--	10.5																																																								
	Boiling range	<sup>o</sup> C	115 – 119																																																								
	Colour, Max	Hazen units	10																																																								
	Residue on evaporation, Max	% by mass	0.01																																																								
	Ash content, Max	g / 100 ml	0.003																																																								
	Ammonia content (as NH <sub>3</sub> ), Max	% by mass	0.3																																																								
	Iron (as Fe), Max	ppm	5																																																								
	Copper (as Cu), Max	ppm	5																																																								
	Silica (as SiO <sub>2</sub> ), Max	ppm	5																																																								
	Chloride (as Cl), Max	ppm	5																																																								
	Sulphates (as SO <sub>4</sub> ), Max	ppm	5																																																								