

**NTPC LTD
CC-OS
EOC NOIDA**

Sub: Qualifying requirements & other details for Vendor Enlistment for supply of Ferric Alum Grade-4

A)	Details of MEG (MATERIAL ENLISTMENT GROUP)	
	1.0 MEG No.	10 MEG-32
	2.0 MEG Description	Ferric Alum Grade-4
	3.0 Responsibility centre	CC-CPC
B)	Technical Criteria of QR: 1. The applicant should be valid BIS License holder for manufacturing of Ferric Alum IS:299 Grade-4. 2. The applicant should have in house testing facilities or should be able to do the tests from NABL/Govt. Laboratories for testing of all parameters as mentioned in the Indian standard. 3. The applicant should have supplied Ferric Alum Grade-4 as per IS 299 during last five years from the date of application.	
C)	Document to be submitted by the applicants against qualifying requirements: 1. QR-1: Copy of valid BIS License for IS: 299 Grade-4. 2. QR-2: Self declaration in the form of the list of testing facilities available in house with themselves & the list of the tests they carry out outside in NABL / Govt. labs. 3. QR-3: Any purchase order executed by the applicant for supply of Ferric Alum Grade-4 as per IS 299 and the execution proof for same order.	
D)	Other documents to be submitted: In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the applicant for enlistment: 1. Three POs of highest executed values of similar work during last five years from the date of application (PO date should not be more than 5 years old as on the date of the application) along with copy of invoice / completion certificate from the concerned buyer/s in support of successful execution of supply against POs. 2. Audited balance sheet including profit and loss statement for the previous three completed financial years reckoned from the date of application. In case the audited results for the preceding financial year is not available, certification of financial statements from a practicing chartered account may be submitted. In case, Applicant is not able to submit the certificate from practicing chartered Account certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further a Certificate would be required from the CEO/CFO as per the format enclosed in the application format documents stating that the financial results of the company are under audit as on the date of Application and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available. 3. A sheet consisting of the following details: i) Production capacity ii) Maximum quantity that can be offered in one month iii) Maximum quantity that can be arranged during monsoon only (June, July, August, September). The information should be duly signed and stamped. 4. Any other document in addition to the above which the applicant wants to submit.	
E)	Note-1	Similar works means: Supply of Ferric Alum as per IS 299.
	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 the date of application). Where PO value is composite (i.e., including taxes etc.) the applicant to give item-wise break up of composite PO mentioning basic value, taxes etc.

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Sub: Technical Specifications for Vendor Enlistment for supply Ferric Alum Grade-4 in Solid form

A)	MEG DETAILS																																																														
	1.0 MEG NO.	10 MEG-32																																																													
	2.0 MEG DESCRIPTION	Ferric Alum Grade-4																																																													
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	<p>1. General: The material shall be in the form of slabs. The material is to be procured directly from manufacturers.</p> <p>2. Requirement</p> <table border="1"> <thead> <tr> <th>Sr.</th> <th>Characteristics</th> <th>Unit</th> <th>Requirements</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Insoluble matter, Max</td> <td>% by mass</td> <td>0.4</td> </tr> <tr> <td>2</td> <td>Soluble iron (as Fe⁺² and Fe⁺³), Max</td> <td>% by mass</td> <td>0.7</td> </tr> <tr> <td>3</td> <td>Water soluble Aluminium compound (as Al₂O₃), Min</td> <td>% by mass</td> <td>16</td> </tr> <tr> <td>4</td> <td>pH (of 5% aqueous solution), Min</td> <td></td> <td>2.7</td> </tr> <tr> <td>5</td> <td>Free acidity (As H₂SO₄), Basicity (as Al₂O₃), Max</td> <td>% by mass</td> <td>0.5</td> </tr> <tr> <td>6</td> <td>Lead (as Pb), Max</td> <td>ppm</td> <td>20</td> </tr> <tr> <td>7</td> <td>Arsenic (as As₂O₃), Max</td> <td>ppm</td> <td>4</td> </tr> <tr> <td>8</td> <td>Mercury (as Hg), Max</td> <td>ppm</td> <td>0.4</td> </tr> <tr> <td>9</td> <td>Manganese (as Mn), Max</td> <td>ppm</td> <td>20</td> </tr> <tr> <td>10</td> <td>Chromium (as Cr), Max</td> <td>ppm</td> <td>20</td> </tr> <tr> <td>11</td> <td>Cadmium (as Cd), Max</td> <td>ppm</td> <td>4</td> </tr> <tr> <td>12</td> <td>Selenium (as Se), Max</td> <td>ppm</td> <td>4</td> </tr> <tr> <td>13</td> <td>Phenolic Compounds (as C₆H₅OH), Max</td> <td>ppm</td> <td>0.4</td> </tr> <tr> <td>14</td> <td>Anionic Detergents (as MBAS)</td> <td>ppm</td> <td>80</td> </tr> </tbody> </table> <p>3. Quality Plan: Inspection and testing of first four parameters as above i.e. Insoluble matter, pH, Soluble Iron and water soluble aluminium compounds shall be carried out at NTPC site laboratory. For balance ten parameters Manufacturer's laboratory / Govt. approved laboratory / NABL accredited laboratory test certificate shall be required along with each lot/ consignments.</p> <p>4. End Use: Water treatment plant</p>			Sr.	Characteristics	Unit	Requirements	1	Insoluble matter, Max	% by mass	0.4	2	Soluble iron (as Fe ⁺² and Fe ⁺³), Max	% by mass	0.7	3	Water soluble Aluminium compound (as Al ₂ O ₃), Min	% by mass	16	4	pH (of 5% aqueous solution), Min		2.7	5	Free acidity (As H ₂ SO ₄), Basicity (as Al ₂ O ₃), Max	% by mass	0.5	6	Lead (as Pb), Max	ppm	20	7	Arsenic (as As ₂ O ₃), Max	ppm	4	8	Mercury (as Hg), Max	ppm	0.4	9	Manganese (as Mn), Max	ppm	20	10	Chromium (as Cr), Max	ppm	20	11	Cadmium (as Cd), Max	ppm	4	12	Selenium (as Se), Max	ppm	4	13	Phenolic Compounds (as C ₆ H ₅ OH), Max	ppm	0.4	14	Anionic Detergents (as MBAS)	ppm	80
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