

NTPC LTD**CC-OS****EOC NOIDA****Sub: Qualifying Requirement for Vendor Enlistment for supply of Caustic Soda Lye**

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| A) | MEG DETAILS | | |
| | 1.0 | MEG NO. | 10MEC-13 |
| | 2.0 | MEG DESCRIPTION | Caustic Soda Lye |
| | 3.0 | RESPONSIBILITY CENTRE | CC |
| B) | Technical Criteria of QR: 1. The applicant should be a manufacturer of Caustic Soda Lye 2. The applicant should have supplied Caustic Soda Lye as per IS 252 | | |
| C) | 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 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 Caustic Soda Lye as per IS: 252 | |
| | 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 Caustic Soda Lye

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| A) | MEG DETAILS | | |
| | 1.0 | MEG NO. | 10MEC-13 |
| | 2.0 | MEG DESCRIPTION | Caustic Soda Lye |
| | 3.0 | RESPONSIBILITY CENTRE | CC |
| B) | Technical Specifications: As per attached annexure below | | |

CAUSTIC SODA : LYE

General

The material shall be free from dirt or other visible impurities to be supplied in SS/Rubber lined road tankers and its concentration shall be 47% w/w minimum

The material to be procured directly from alkali manufacturers.

Requirement :

| Sl.No. | Characteristics | Unit | Requirement for LYE |
|--------|--|-----------|---------------------|
| 1 | Sodium hydroxide (as NaOH) , min. | % by mass | 47 |
| 2 | Sodium Carbonate (as Na ₂ CO ₃), Max | % by mass | 0.2 |
| 3 | Chloride (as Cl ⁻),Max | % by mass | 0.015 |
| 4 | Sulphate (as SO ₄ ⁻²), Max | % by mass | 0.015 |
| 5 | Silicates (as SiO ₂), Max | % by mass | 0.01 |
| 6 | Iron (as Fe) , Max | ppm | 10 |
| 7 | Copper (as Cu) , Max | ppm | 1 |
| 8 | Manganese (as Mn) , Max | ppm | 0.5 |
| 9 | Chlorates and per chlorates (as NaClO ₃) , Max | ppm | 40 |
| 10 | Matter insoluble water , Max | % by mass | 0.025 |
| 11 | Total Mercury (as Hg), max | ppm | 0.01 |
| 12 | Sodium hydroxide (as NaOH) ,on dry basis, min. | % by mass | 99.5 |

Quality plan

Inspection and testing of first two parameters as above i.e. Sodium Hydroxide (NaOH) and Sodium Carbonate (Na₂CO₃) content shall be carried out at NTPC site laboratory before unloading of the tanker. For balance 10 parameters Manufacturer's laboratory/Govt approved laboratory/ NABL accredited laboratory test certificate shall be required along with each lot/consignments.

End Use

Water treatment plant for regeneration of Anion resins in DM plant and CPU.

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