

Specification Document

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|----|---------------|--|
| 1. | ITEM | Calcium Hypo chloride Granuals |
| | SPECIFICATION | Calcium hypochlorite disinfect treated water content 65% to 70% high strength calcium based granular chlorination chemical in sealed drum in 45 Kgs plastic drum |
| | MAKE | AS PER SAMLE |

NOTE :-

- (a) SAMPLE MUST BE APPROVED BEFORE BULK SUPPLY.
- (b) TEST CERTIFICATE BEARING WITH MFG DATE AND EXPRITY DATE MUST WITH BULK SUPPLY.
- (c) DECISION REGARDING MAKE/BRAND WILL BE TAKEN BY HOD/SBSO.
- (d) ALL ITEMS SHOULD AS PER SPECIFICATION MENTIOED IN E-IN-C'S BRANCH LETTER NO 86434/PROD/16/E4 (U3) DT 11 MAY 2022 AND BEST QUALITY/ISI MARKED .

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Engineer-in-Chief's Branch
Directorate of Works
Sub Directorate of Utility
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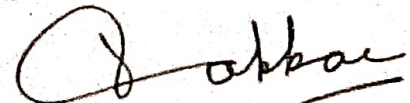
86434/Prod/16 /E4 (U3)

11 May 2022

E-in-C's Branch List 'A' & 'B'

GENERIC SPECIFICATIONS FOR CALCIUM HYPOCHLORITE

1. Please refer policy for approval of construction material, products and technology for use in MES issued vide E-in-C's Branch letter No A/37696/12-114/Pol/E2W (PPC) dated 15 Jun 2021.
2. Various representations have been received at E-in-C's Branch on procurement of Calcium Hypochlorite (common name - Stable Bleaching Power or High Strength Bleaching Powder) as chemical for water treatment under which presently only two firms are listed. As mandated vide letter under reference, if the number/ brands is less than three at any stage for any product then no make/ brand for product is to be specified in tender and generic description/ specifications is to be included. Representation on non-usage of generic specification/ use of biased specifications by MES establishment have been received which is in contravention to the policy in vogue.
3. Generic specifications for Calcium Hypochlorite to be included as part of tender/ supply order, as mandated in letter referred above, is attached as Appendix.
4. Please acknowledge receipt, ensure that these instructions given are disseminated to lowest level and ensure implementation.



(Sumeet Singh Makkar)
Col
Dir E4 (U3)
For E-in-C

Copy to:-

HQ CME Pune

ADG (D&C) Pune

DG MAP

Internal:-

E2W (PPC)

E2W (TC)

E2W (Army)

E2W (Navy)

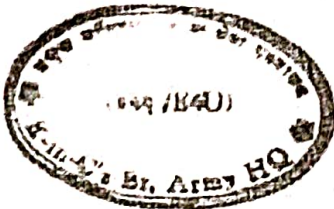
E2W (Air Force)

E2 (Design)

E8 (Contracts)

Automation Cell

- Please upload this letter on MES website with restricted access.



Appendix

(Refer Para 3 of Letter No
86434/Prod/ 16 /E4(U3)
dated May 2022)

Generic Specifications: Calcium Hypochlorite

1. Chemical name : Calcium hypochlorite.
2. Common name : Stable Bleaching Powder/ High Strength Bleaching Powder.
3. Description/ Appearance : Dry free flowing and free from lumps.
4. Toxic & Undesirable Substance : Should not induce substances beyond acceptable limit as given in IS 10500(2012) in treated and disinfected water.
5. Packing : 20-25 Kg bags/ 40- 45 kg Drums.
Packing in drums is preferable to reduce fire hazard in places of high ambient temperature.
6. Specifications : As tabulated below.

| S No | Characteristic | Unit | Specifications | Remarks |
|------|---|--|----------------|---------|
| 1. | Available Chlorine | % by mass, Min | 65 | |
| 2. | Stability | Loss of Chloride on basis of available chloride, Max | 1/15 | |
| 3. | Particle size (passing through 1.70mm IS sieve) | % by mass, Min | 99.5 | |
| 4. | Water insoluble matter, Max | % | 6 | |
| 5. | Calcium Hydroxide, Max | % | 4 | |
| 6. | Sodium Chloride, max | % | 15 | |

Qabbar

