



आईआरईएल (इंडिया) लिमिटेड
IREL (India) Limited
(Formerly Indian Rare Earths Limited)
(भारत सरकार का उपक्रम)
(A Government of India Undertaking)

CIN: U15100MH1950GOI008187 Website: www.irel.co.in



ISO 9001: 2015, ISO 14001: 2015 & ISO 45001: 2018 Company

CORRIGENDUM- I

Dated: 01/10/2024

Item/Job Description	Supply of Chemical
GeM Bid No.	GEM/2024/B/5346882 Dated: 03-09-2024

Following Changes are hereby made in the tender:

In place of Technical specification

Sl. No.	Item Description	Unit	Qty
1	Sodium Hypochloride (NaOCl) – Liquid (packed in HDPE drum)	kg	3000
2	Sodium Hexa Meta Phosphate (Antiscalent) pH <6	kg	5000
3	Sodium Metabisulphite-Powder	kg	5000
4	Ferrous Sulphate-95%	Ton	8
5	Poly electrolyte-99%	kg	2000

The utility of above chemicals are in water treatment plant.

To Read as Technical specification

1. SODIUM HYPOCHLORITE 12% SPECIFICATION

Description of the ITEM:

The hypochlorite solution 12 - 15% shall be a pale, yellowish green, clear liquid and shall not produce any sludge or turbidity when mixed with water. The material shall be of Grade 2 – for industrial use.

The material, when tested according to the methods prescribed in Annex A (of Indian Standard, IS 11673:1992), shall comply with the requirements given in table

Sodium Hypochlorite Solution

S.No	Characteristics	Requirement for Grade 2
i	Relative density(@25 ^o /25 ^o C	1.20 (Min)
li	Available chlorine (as C l), Percent by mass by volume	12.0 to 15.0
iii	Total chlorine ,percent by volume (as C l)	12.0 to 15.0
lv	Free Alkali(as NaOH),g/l, Min	5.0
V	Free sodium carbonate(as Na ₂ CO ₃),g/l, Max	0.5
vi	Iron (as Fe), ppm, Max	1.0
vii	Sodium Chlorate, percent by mass , Max	0.3

उड़ीसा सैंड्स कांप्लेक्स, माटिखालो (डाक) छत्रपुर (गंजाम), ओडिशा – 761045, भारत
Orissa Sands Complex, Matikhalo (P.O) Chatrapur (Ganjam), Odisha-761045

फोन/Tel. : 06811-257890-95 फैक्स/Fax: 06811-257988

पंजीकृत कार्यालय : प्लाट नं. 1207, वीर सावरकर मार्ग, सिद्धि विनायक मंदिर के पास, प्रभादेवी, मुंबई – 400 028
Regd. Office: Plot no: 1207, Veer Savarkar Marg, Near Siddhi Vinayak Temple, Prabhadevi, Mumbai-400 028



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Packing, Marking and storing

Packing :

The material shall be packed in **25/30Kg** air – tight plastic containers only. The containers used shall be dry and free from grease, dirt or other foreign matter likely to cause decomposition of the material.

Each package shall bear legibly and indelibly the following information:

- Name and grade of the material;
- Indication of the source of manufacture;
- Gross and net mass;
- Date of packing; and
- Lot number
- Available chlorine (to be declared by the manufacture.)

2. SODIUM HEXA META PHOSPHATE (ANTISCALANT) CHEMICAL SPECIFICATION:

Supply of Antiscalant as per the following specifications.

S.NO	CHARACTERISTICS	ANTISCALANT
1.	PHYSICAL STATE	LIQUID
2.	APPEARANCE	Colourless to pale yellow
3.	ODOR	SLIGHTLY ACIDIC
4.	SPECIFIC GRAVITY	1.1-1.2 @ 25 C
5.	SOLUBILITY IN WATER	COMPLETE
6.	PH (100%)	<5.0
7.	SEQUESTRANT VALUE	ABOVE 220

Packing Size:

Minimum pack size is 25/30 Kg

Chemicals should be packed in HDPE carboys

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3. SODIUM META BI SULPHITE SPECIFICATION

Supply of Sodium Meta Bi Sulphite, Food grade as per IS 4752, 1994.

Packing : The material shall be packed HDP woven bags of 25 Kg or 50 Kg.

Marking

Each package shall bear legibly and indelibly the following information:

- a) Name and grade of the material;
- b) Indication of the source of manufacture;
- c) Gross and net mass;
- d) Date of packing; and
- e) Lot number.

SI No.	Characteristic	Requirement
1	Chemical Formula	Na ₂ S ₂ O ₅
2	Physical appearance	White Crystalline powder
3	Appearance of Solution	20% sol in distilled water shall not more than hazy with a pale yellow color
4	Purity	
	a) Na ₂ S ₂ O ₅ , present by mass, min	95%
	b) As SO ₂ , present by mass, min	64%
5	Water insoluble, percentage by mass, max	0.05
6	Thiosulphite, percent by mass, Max	0.1%
7	Arsenic (as As ₂ O ₃), ppm, Max	3.0%
8	Heavy metals (as Pb), ppm, Max	10.0%
9	pH	Acidic to litmus
10	pH of the solution 20%	4.5-5.5

Note:

1. Test certificate to be accompanied with the delivery

4. Ferrous Sulphate -95% : As per previous technical specification

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5. ANIONIC POLYELECTROLYTE SPECIFICATIONS

Specifications of POLYELECTROLYTE (Anionic polyacrylamide flocculant)

S.N.	Characteristics	UOM	Requirement	REMARKS
a.	Appearance	---	Solid, granular (having flocculation property)	To be tested at Chemistry lab
b.	pH of 0.1% solution	6.0 -8.0	-do-
c.	Particle size	mm	0.5 0.8	Manufacturer's test certificate/COA
d.	Acrylic acid content	% by wt	Min 17	-do-(note (iii))
e.	Viscosity of 0.1% (w/v) solution	centipoise	40-200	-do-
f.	Solid Content	% by wt	Min 88.0	-do-
g.	Bulk Density	g/cm ³	0.6- 0.8	-do-

- i. **Packing:** 25-50 Kg HDPE/PVC/Plastic Drums with moisture proof double lining bags.
- ii. **Testing Requirement:** The party should submit a test certificate along consignment.

This tender is being processed through electronic bidding process in GeM portal. Hence all documents should be uploaded to the GeM site only.

All other terms and conditions of the tender shall remain unchanged. Please visit us at <http://irel.co.in> & www.gem.gov.in for other details and further Corrigendum(s), if any.

Sd/-
DGM(Purchase) &
I/C Marketing

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