CAUSTIC SODA LIQUID & FLAKES AND HYDROCHLORIC ACID

Sr.	Description/Specifications	Quantity (Tons)
1.	Sodium Hydroxide Liquid form 100% based Commercial grade	Quantity required: 2,000.00 Tons (Concentration: 100%)
2.	Sodium Hydroxide Liquid form 50% based Concentration: 50% ± 0.5 Commercial grade Detailed specifications as per enclosed Annexure-A	Quantity required: 4,000.00 Tons Quantity required on as and when basis 30 x 03 = 90.00 Tons 10 x 05 = 50.00 Tons Total quantity required: 4,140.00 Tons
3.	Hydrochloric acid Concentration: 35% ± 1.0% Commercial grade Detailed specifications as per enclosed Annexure-A	Quantity required 6,220.00 Tons Quantity required on as and when basis 26 x 05 = 130.00 Tons Total quantity required: 6,350.00 Tons
4.	Sodium hydroxide flakes Commercial grade Purity: 99% ± 0.5 Detailed specifications as per enclosed Annexure-B Purity: 98% ± 1.0 Detailed specifications as per enclosed Annexure-C	Total quantity required: 1,070.00 Tons Quantity required: 1,000.00 Tons Quantity required: 70.00 T

Important Note:

- i. Prices will remain fixed for whole tenure of the contract
- ii. Kindly mention total quantity in one batch of shipment for serial no 01 to 03.
- iii. Bags must be placed in palletized packing i.e. 01 MT/ pallet for item at serial no 04
- iv. Make and country of origin should be clearly mentioned in quotation.

Specification of Caustic Soda (50 % Liquid)

Chemical Identification

anaza

Chemical Name		Commercial grade Sodium hydroxide (NaOH)
Concentration		50% ± 0.5
Grade		Commercial
Specific gravity		1.52
Physical Appearance		Colorless or slightly greenish liquid.
Na ₂ CO ₃		0.5 % W/W (max)
NaCl	r.	0.02 % W/W (max.)
NaClO ₃		0.01 % W/W (max.)
Na ₂ SO ₄		0.005 % W/W (max.)
Iron		Less than 10 PPM
Silica		Less than 20 PPM
K content		Less than 5 ppm
Ca content		Less than 5 ppm

Specification of Hydrochloric Acid (34 % Liquid)

Chemical Identification

	1 1
Chemical Name	Commercial grade Hydrochloric Acid (HCI)
Concentration	35% ± 1.0
Physical Appearance	Colorless or slightly yellow
Specific Gravity	1.163-1.173 @ 20 °C for normal grade
Free chlorine	5 PPM (max)
Boiling Point	75 °C (33 % solution)
Freezing point	-40 °C (33 % solution)
Ca content	Less than 10 PPM
Na content	Less than 15 PPM
Fe content	Less than 1 PPM
K Content	Less than 5 ppm

P#5/6

Annexure-O

Specification of NaOH Flakes (99%)

Chemical Identification

C

Chemical Name	Commercial grade Sodium hydroxide (NaOH)
Chemical Formula	NaOH
Molecular-Weight	40
Purity	99% ± 0.5
Grade	Commercial
Na ₂ CO ₃	0.01 % W/W (max)
NaCl	0.01 % W/W (max.)
NaClO ₃	0.01 % W/W (max.)
Na ₂ SO ₄	0.005 % W/W (max.)
Iron	Less than 10 PPM
Silica	Less than 20 PPM
K content	Less than 5 ppm
Ca content	Less than 5 ppm
Mg content	Less than 5 ppm
Packing	Polypropylene bag with polyethylene liner
Shelf Life	5-6 year

**Sample should be provided with quotation including analysis report with relevant literature also.





