

Indent No:- 20173922 Dt. 18.11.2017

Specification of Calcium Carbide

1. Calcium Carbide shall be supplied as per safety regulations laid by chief controller of Explosive, Govt. of India.
2. Calcium Carbide shall be packed in 100 kg Capacity watertight and air tight, non-returnable steel containers having double lid Packing.
3. All the containers must be marked properly detailing the date of manufacture, batch No., size etc. also the details of properties of material and safety norms for its handling with instruction as laid by chief controller of Explosive, Govt. of India must be clearly printed, pasted on individual drums property for Examples ('Calcium Carbide' Dangerous, if not kept dry, Hydroscopic, Reacts with water Releasing highly inflammable Acetylene gas etc, safety instruction such as handle with care. Do not use water in case of fire etc.) The instruction should be in Hindi and English.
4. The quality size and gas yield of material must confirm to IS-1040-1987. As per IS-1040-1987 carbide should be of graded size 25-50 mm quality 'B' grade having **gas yield minimum 288 Lt./kg.**
5. The material should yield the volume of gas as above subject to the sample within the tolerance of (-) 5% shall be deemed to comply with the requirements provided **average gas yield of the lot confirms to gas yield given as minimum 288 Lt./kg.**, offer not meeting minimum yield as per IS shall not be considered.
6. One kilogram Sample is to be submitted along with the quotation which will be tested in BHEL. Sampling is to be done as per procedure laid down in IS 1040-87, Appendix 'D', Clause 7.1.
7. In case of Indian manufactures, pre-dispatch inspection of the material shall be carried out by BHEL representative at manufacture's works or submission of Test certificate of the sample, issued by any Government approved Test House, confirming to Average Gas yield of 288 Lt./kg or both will be carried out. However in case of international manufactures, only Test Certificate of the Sample, issued by any Government approved Test House, confirming to Average Gas yield of 288 Lt./kg must be submitted.
8. Lime Sludge generated during the process of Acetylene Gas generation from Calcium Carbide shall completely dissolve with the water to make proper slurry which can be drained out easily.

18/11/17
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22/11/17
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