

Public Tender No. : PUR / 2 / 35 / 10017 / 608  
Item : Synthetic Polyacrylamide Flocculant

## **M A T E R I A L   D E T A I L S**

### **SYNTHETIC POLYACRYLAMIDE FLOCCULENT FOR NEUTRAL THICKENER**

Synthetic Polyacrylamide Flocculent is required to be added in the feed slurry to neutral high rate thickener to form bigger flocs of the solids present in the feed so as to enhance its settling rate in the thickener to produce thick underflow solid slurry and perfectly clear overflow liquor.

Other details are:

- |                                 |   |                 |        |
|---------------------------------|---|-----------------|--------|
| 1. pH of feed slurry            | : | 6.5 to 7.5      |        |
| 2. % solid in feed slurry       | : | 25 to 30% (W/W) |        |
| 3. Size of solid in feed        | : | -325 mesh       | - 40%  |
|                                 |   | -200 + 325 mesh | - 30%  |
|                                 |   | +48 mesh        | - 0.5% |
|                                 |   | Rest in between |        |
| 4. Specific gravity of solid    | : | 2.8             |        |
| 5. Specific gravity of liquor   | : | 1.00            |        |
| 6. Temperature of slurry        | : | Ambient         |        |
| 7. Underflow slurry consistency | : | 50 – 55% (W/W)  |        |

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