

## Annexure--A

### SYNTHETIC CATIONIC LIQUID COAGULANT FOR SPILLAGE THICKENER

Synthetic cationic liquid coagulant is required for spillage thickener. Coagulant is to be added in the feed distribution box of spillage thickener (High rate thickener) solids present in the feed will form bigger flocs to enhance settling rate with perfectly clear over flow of water.

Other details are:

- |    |                              |   |  |
|----|------------------------------|---|--|
| 1. | PH of feed slurry            | - | 8 to 11  |
| 2. | % solid in feed slurry       | - | 2 to 5 % ( W/W )   |
| 3. | Size of solid in feed        | - | 325 mesh - 80%   |
| 4. | Water Composition            | - | Na <sub>2</sub> CO <sub>3</sub> , NaHCO <sub>3</sub> , Na <sub>2</sub> SO <sub>4</sub> |
| 5. | Specific gravity of liquor   | - | 1.05   |
| 6. | Temperature of slurry        | - | Ambient  |
| 7. | Over flow water              | - | clear water (free from slurry)   |
| 8. | Underflow slurry consistency | - | 50-55 % (W/W)  |