

FLOCCULANT JAR TEST REPORT

DATE: 17/08/2020

CLIENT NAME – RASHMI METALIKS

PRODUCT USED- HYDROFLOC 1010

TYPE- ANIONIC POLYELECTROLYTE

MONTHLY POTENTIAL- 1800 KG

SOLUTION STRENGTH- 0.05 % (0.05 gm flocculent sample dissolved in 100 ml distilled water)

Slurry Sample	500 ml	500 ml	500 ml	500 ml
Dosage	2 ml/4 PPM (Hydrofloc 1010)	2.5 ml/5 PPM (Hydrofloc 1010)	3 ml/6 PPM (Hydrofloc 1010)	4 ml/8 PPM (Existing flocculant)
Settling time	4 min	2 min	1 min 50 sec	5 min
Appearance	Almost clear	Clear	Clear	Clear

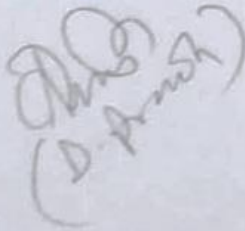
Conclusion

From the above Jar test result we can conclude that 5 ppm dosage of Hydrofloc 1010 gives better result with respect towards removal of suspended particles, settling rate and residual turbidity of supernatant water against 8 ppm dosage of existing flocculants used in Dewatering of Iron ore tailing.

Additional benefit – Faster settling rate (more than double compared to existing flocculent) which will bring down the settling time and resulting higher through-put.

For, Rashmi Metaliks Ltd

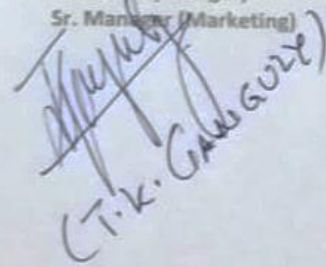
Mr. Rajib Sahu
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(D. Prasad)

For, Abhitech Energycon Ltd,

Mr. Tanmoy Ganguly
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(T.K. GANGULY)