COAL MINE WATER RECLAMATION

This technology was developed with the objective to purify coal impacted water to be fit for drinking. Coalmine water reclamation process developed has three modules arranged sequentially, It separates suspended particulate matters using appropriate flocculants, negotiates dissolved contaminants including heavy metal ions with a nanometric aqueous suspension developed that kills harmful micro-organisms through ozonisation. The finished product is suitable for the purpose of drinking, the plant developed to perform on continuous mode @ 4000-5000 LPH that can operate for 20 hours per day.

ADVANTAGES:

- The process provides reclamation of coalmine water free of harmful micro-organisms suitable for the purpose of drinking.
- The purified water cost works out to be less than 20 paisa per litre.
- The process is environment friendly and does not involve any hazardous or toxic reagents.

Technology is ready to be licensed.

