

SUCCESS STORIES OF WESTERN COALFIELDS LIMITED

3. MINE WATER UTILISATION

While Coal Mining is a process of extraction of coal beneath the earth surface, water is also taken out in this process which is referred as Mine Discharge Water. Mined in both underground and open cast mines, a part of mine water is used for industrial purposes like spraying, washing, dust suppression etc. and part is used for domestic use after proper filtration. The WCL Team envisaged that for mitigating drought in Vidharba, they needed to adopt innovative approaches in utilising this mine water. We realised that making water available to the external stakeholders living in the mining region will have the highest impact in creating positive community relation.

WCL had initiated its ambitious Mine Water Utilisation Project to utilise its 30 crore litre/day mine water. Several projects were initiated for different purposes like:

- Supply as Drinking Water to Local Populace [SEP]
- Agriculture Use and Augmentation of Ground Water [SEP]
- Revival of Ponds and Rivers [SEP]

Some of our successful projects are listed below: [SEP]

A. Drinking Water

- Kamptee to Kanhan (K2K) Project – Supply of filtered Mine Water from Kamptee Mine to Kanhan Township
- RO Plant in Patansaongi Village
- RO Plant in Nilgaon Village, Nagpur District
- Filter Plants in Chandrapur District

B. Irrigation Projects

- Pilot Project in Borgaon village
- Mine Water from Bhanegaon Mine to Bhanegaon and Bina Villages
- Mine Water from Pipla Mine to Pipla, Walni & Dahegaon village
- Mine Water from Adasa, AB Incline and Kamptee Mines to nearby villages
- Mine Water from Murpar Mine to Murpar, Sonegaon, Shedegaon and Manjhiri Villages benefiting more than 50,000 people

C. Revival of Ponds and Rivers [SEP]

- Desilting and Widening of Ponds at Neelapur, Punwat, Welhada, Kumbarkhani, Rasa Ponds in Yavatmal District [SEP]
- Desilting and Widening of Rasa Pond, Yavatmal District [SEP]

WCL has pioneered in utilizing Mine water discharge for needs of the community in sustainable manner though many projects like setting up of RO plants and Filter Plants in villages, Revival of dry ponds & river beds, Ground water augmentation, etc benefiting more than 1,35,000 population.