

# Treatment of Toxic Mine Water

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During mining, the water table and underlying aquifers may get effected and the water gets collected in the mine sump. Water Pollution Control Measures, being taken by the coal companies are as under-

- i. For mine discharge, pumped out mine water is treated through sedimentation both in mine sump and also on surface in sedimentation pond/settling tank prior to its discharge if any.
- (ii) The quality of mine water as well as workshop effluent (after treatment) is regularly monitored, tested as per norms through NABL accredited laboratory and treated before reuse and before discharging to local population.

During the last five year, a substantial amount of 18,513 Lakh Kilo Liters (LKL) of treated mine water has been offered by Coal/Lignite PSUs for community purposes (domestic & irrigation) as given below:

<b>Name of PSU</b>	<b>Domestic/Drinking (LKL)</b>	<b>Irrigation (LKL)</b>	<b>Total (LKL)</b>
CIL	6309	7496	13805
NLCIL	613	1161	1774
SCCL	88	2846	2934
<b>Grand Total</b>	<b>7010</b>	<b>11503</b>	<b>18513</b>

Treated mine water is also offered by the Coal/Lignite PSUs to State Governments of coal bearing states for its gainful utilization for communities.

Other eco-friendly measures undertaken by Coal/Lignite PSUs are greening initiatives – bio-reclamation/plantation in and around coal mining areas, development of eco-parks/ mine tourism sites, gainful utilization of overburden (OB) by establishing OB processing plants and M-sand plants and various energy efficiency measures such as replacement conventional lights with LED lights, installation of energy-efficient air conditioners, super fans, deployment of electric vehicles, and efficient water heaters, energy efficient motors for pumps and auto timer in street lights, etc.

This information was given by Union Minister of Coal and Mines Shri G. Kishan Reddy in a written reply in Lok Sabha today.

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**Sunil Kumar Tiwari**

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