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Critical gaps in West Bengal's sand mining reforms

While reforms have been enacted on paper, the details about new rules and regulations on sand mining are unclear, leaving wide gaps for illegal operators as well as unsustainable and polluting mining, now with legal sanction





Illegal sand mining is a rampant problem in the riverbed of the Ganga and along its banks, as seen on the stretch right in front of the Tribeni thermal power station in West Bengal [Image by Beth Walker]

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Large tractors, diggers and trucks can be seen lined along many of the rivers in West Bengal. Sand is an essential raw material for the ever-hungry real estate and construction sectors, and driven by such demands, many of the rivers have been transformed through indiscriminate sand mining to feed this industry. [Stories of violence and death](#) associated with the “sand mafia” have been frequent in several districts in the state.



and the safety of structures such as bridges, it can negatively impact groundwater quantity and quality, the primary water source of millions in West Bengal.

While this has prompted [a rethink in the US and Europe](#), in South Asia sediment, especially sand, remains a product to extract, making it one of the main reasons why rivers like the Ganga are threatened.

See: [Ganga: an unholy mess](#)

How much do the new rules change?

After a long delay the state government enacted the West Bengal Minor Mineral Concession Rules 2016 (“Rules”). The Rules are a result of the [directions](#) of the Supreme Court and the National Green Tribunal over the last few years. They reflect a process of reform that a number of states in India are now undergoing. However, the new Rules and surrounding regime have a number of critical gaps and issues. This will ultimately mean that unsustainable sand mining continues.

The environmental provisions in the new Rules are drafted using broad and vague wording, rendering them toothless. For example, under the Rules mining leaseholders shall take “all possible precautions for the protection of environment and control of pollution...in the area for which the lease of licence is granted” (Rule 24). A rule obliging the “protection of environment” is so broad it is practically meaningless. Furthermore, the rule is arguably only protecting environmental damage at the mining site, rather than damage up or downstream from mining activity (which is often the case).

These Rules also fail to make the connection with laws relating to different forms of pollution, such as air pollution, noise pollution and the discharge of effluents into water. Now are the Rules specific enough to have firm obligations on sand mining leaseholders. They just say that such forms of pollution do occur and that leaseholders shall “take all possible precautions” conforming to standards and rules otherwise in existence. There is no mention of water pollution, groundwater and river flows, in a situation where riverbed mining’s worst impacts are on water quality, groundwater availability and downstream river water availability.

The Rules also have loopholes that allow circumvention from environmental compliance. For example, there is provision for a “short-term mining licence” that allows for a total exemption from social and environmental safeguards that are provided in the Rules. Such licences are exempt from any of the environmental



that remains repealed mostly in the ground. While the Rules declare that short-term mining licences are to be given only under “exceptional circumstances”, this is a meaningless phrase as the Rules also state such licences can be given for “*any* reason” as long as it is “stated in writing”.

A lack of monitoring and enforcement

The weak environmental conditions are coupled with lack of adequate monitoring and enforcement, one of the major reasons why environment protection laws are not implemented in India as they should be. Without monitoring and enforcement, how does anyone know whether the correct amount of sand was mined, according to the terms of the lease? Or whether all precautions have been taken? The Rules are silent on these aspects.

In effect, monitoring and enforcement is the role of a number of government bodies, each saddled with particular areas of responsibility. A lack of coordination between different departments has been a long-standing issue in environmental governance in India. Such a monitoring and enforcement regime is not a robust way forward for an industry that is notorious for its social and environmental effects. The Rules also fail to spell out any penalties for breaches of environmental conditions. Whilst there are penalties listed for unauthorised mining (without a lease or licence) and other activities, the Rules are silent about leaseholders who breach environmental provisions.

Environmental clearances: an administrative clearing house

As the environmental provisions within the Rules are not strong and lack adequate monitoring and enforcement, much of the environmental governance of sand mining will rest upon the environmental clearance (EC) given by the Ministry of Environment and Forests & Climate Change (MOEFCC) before mining. The Supreme Court has directed that ECs are a mandatory requirement for sand mining. MOEFCC has now decentralised the process of granting such clearances for sand mining to state and district levels.

In principle, decentralisation is not a bad idea. However, a number of issues arise with how decentralisation of environmental clearances has been carried out. The District Environmental Impact Authority (DEIA) issues environmental clearances for mining under 25 hectares. The DEIA is made up of four members, three of whom are from the district administration. The DEIA is effectively an extension of the district and state administration, which also has a pecuniary interest in generating royalties from mining



A better approach would have been for the authority to have involvement of residents directly affected by mining activities and independent scientific experts. A more diverse membership would have been beneficial to ensuring sustainability and given more credibility that the EC process is not a mere administrative formality.

A lost opportunity

The new Rules and regime represent a formalisation of sand mining and will likely reduce illegal mining and associated violence. However, ensuring the sustainability of rivers and areas near rivers will require a much stronger approach.

Moreover, while sand mining has operated indiscriminately and illegally through several relatively small groups, the formalisation will probably see larger companies entering the industry in West Bengal. This is already being seen in many parts of the state. For example, the Tata group has been given the [nod to mine](#) in Purulia district.

Without adequate environmental laws, policies, monitoring and compliance systems, social and environmental problems will continue unabated. And large tractors, diggers and trucks will continue to be seen dotted along the rivers, mining unsustainably. The only difference is that this unsustainable and polluting operation will now have legal sanction.



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