

# Standard Operating Procedure for Fly ash Dumping at Sharda OCM (Sohagpur Area, SECL)

## **A. General Conditions**

1. All the work related to back filling activities by fly ash at OPQR Patch by MB Power shall be carried out under the provisions of Reg-108 of CMR -2017.
2. Flyash load inside the trucks/dumpers shall be properly levelled by keeping sufficient free board and shall be properly covered to prevent overflow, spillage on road.
3. The works of back filling shall be carried out under constant supervision of a competent person.
4. The supervisors shall be deployed in all the three shifts by MB Power as mentioned in the MOU.
5. All the persons deployed in fly ash dumping operation by MB Power shall have valid VTC, IME and/or PME certificate.
6. The MB Power authorities shall submit the list of persons engaged in the above operation & also obtain the permission for allowing the persons to work within the premises of mine.
7. No person other than permitted by mine manager shall be allowed to work within mine premises.
8. All the persons allowed for above work shall mark their attendance in Form D/ E.
9. All persons while on duty must have 'ID cards' in the prescribed format.
10. MB Power authorities shall ensure that the detail information & particulars of all persons shall be entered in the Form A/B at the safety office of the Sharda OCM.
11. All the vehicles engaged in this operation shall comply with RTO/Statutory Rules & Regulations.
12. All the machineries engaged in this operation should have prescribed safety gadgets as per Directorate General of Mines Safety, Dhanbad.
13. Each machine operator & supervisor shall ensure the strict observance of code of practice designed for respective machineries, Heavy Earth Moving Machines (HEMM) etc.
14. Appropriate safety measures such as suitably written sign boards, fencing, security guards (wherever required) to prevent human trespassing, entry of cattle/livestock inside the mine void and allied working area during execution period.

15. No person shall be permitted to the approach of above quarries where he may be endangered from sliding & rolling down the material.
16. MB Power authorities shall submit in writing to the Mine Manager the name of In-charge of the operation, who may be reached in case of any emergency.

### **B. Steps to be followed during Dumping Operation**

1. Water accumulated in the OPQR patch to be emptied completely before commencement of fly ash dumping operation.
2. Fly ash dumping should be carried out in benches with height not more than 5m at a time.
3. Flyash dumping operation should be followed by dozing with a suitable Dozer and compaction with another suitable machinery like vibrating type roller etc. at not more than 5m thickness of the bench at a time.
4. Dumper/Tipper should dump fly ash at least 3-5m away from the edge of the dumping bench. This would be followed by dozing operation.
5. The dozer involved in this operation should not go within a distance of 4m from the dumping edge.
6. Optimum moisture content (>15%) in the fly ash should be maintained so as to prevent it from being airborne.
7. Operational parameters as mentioned above would be monitored accordingly.
8. Slope of the dump inside the void should not be more than angle of repose of the dumping material.
9. No dumping of fly ash shall be done aboveground level.