

## PROJECT HAZARD ASSESSMENT FORM

Hazard	Describe the Specific Hazard Present	OPGC's Actions to Control the Hazard	Contractor's Actions to Control the Hazard
<b>Hitting of excavator</b>	Hitting of excavator to the workers deployed for loading of earth or vehicles in the swing area of the excavator	Ensure presence of skilled supervisor before execution of work. Instruction to the contractor to keep the crew members away from the swing area of the excavator.	Deployment of skilled supervisors and operators for the work. Spotter to be deployed at loading site. Crew members must not be allowed within the swing area of the excavator.
<b>Exposure to dust</b>	Exposure to dust during movement of vehicles and machineries as well as ash blowing from the loading and unloading area.	Ensuring sprinkling of water in the road and in the loading and unloading area.	Sprinkling of water by deploying water tanker in the loading area and in the road. Dust mask is to be used by all the workers.
<b>Road accident</b>	Collide between two vehicles or more, run-over vehicle or person in the in between road	Monitoring the action taken by the contractor	All vehicle must have valid documents like RC book, Insurance, Fitness, PUC, the driver must have valid driving license, and must not drive in alcoholic condition, speed of the vehicle must be limited to 20 KMPH. Vehicle checklist to be regulated in daily basis as per the rules and regulations of OPGC.
<b>Slipping / over topping of vehicle during transportation of ash / earth</b>	Slipping / over topping of vehicle during transportation of ash / earth	Monitoring the action taken by the contractor	Vehicle speed must be limited to 20 KMPH. Regular maintenance of road needs to be done as per requirement.
<b>Falling of vehicle / manpower in the low land</b>	Falling of vehicle / manpower in the low land	Monitoring the action taken by the contractor	Vehicles must not be allowed close to the low land. Bund to be constructed in the edge of the low land for ash dumping. Tipper/Hyva Trolley should be free from any damages so as to prevent falling of ash from bottom during transportation
<b>Exposure to noise – Hearing impaired</b>	Exposure to noise during running of vehicles.		All the workers are to keep themselves away from the operating equipment's. Operators are to equipped with sound protector in case the noise level is more than 85 db.

<b>Hitting of vehicle</b>	Hitting/ striking of vehicle with manpower deployed at site or any other along the route	Monitoring the action taken by the contractor	All vehicle must have valid documents like RC book, Insurance, Fitness, PUC, the driver must have valid driving license, and must not drive in alcoholic condition, speed of the vehicle must be limited to 20 KMPH. Vehicle checklist to be regulated in daily basis as per the rules and regulations of OPGC.
<b>Expose to air pollution</b>	The exposed ash may cause air pollution during transportation	Monitoring the action taken by the contractor	Proper covering arrangement must be made during transportation of ash
<b>High voltage electric cable line</b>	Hitting /striking of boom of the excavator	Monitoring the action taken by the contractor	A minimum gap of 3M should be maintained from the boom of excavator to high voltage cable line during excavation or ash shifting
<b>Fire hazard</b>	Fire hazard in the vehicle / equipment's / in the work place	Monitoring the action taken by the contractor	Fire extinguishers are to be kept in each vehicle; Driver's cabin must be clear from flammable materials.
<b>Snake bite</b>	Snake bite by poisonous snake at work site	Monitoring the action taken by the contractor	Work site to be kept clean from bushes and debris, snake repellent to be used at site.
<b>Slipping / over topping of roller</b>	Sliding, hitting of roller at unloading site	Monitoring the action taken by the contractor	No person should be allowed in the direction of movement of roller. Back horn back light of roller must be ensured.
<b>Hitting and run over of dozer</b>	Hitting and run over of dozer	Monitoring the action taken by the contractor	No person should be allowed in the direction of movement of dozer. Back horn back light of dozer must be ensured.