

	Odisha Power Generation Corporation	Ib Thermal Power Station	Docu	1
	Hazard Identification & Risk Assessment (HIRA)			w Date
Function: Construction of New class room at DAV English medium school at near OPGC colony at ITPS				
REPRESENTATIVE	NAME	DESIGANTION	SIGNATURE	Department
Management				
Worker				
Safety				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SI No	Activities	Normal/Abnormal/ Emergency	Direct / Indirect	Hazard	Risk	Existing Control Measures	level				Acceptable(Y/N)	Hierarchy of Control Proposed control measures(if any) Prog./Procedure Ref.	Level						
							Legal	Likelihood/ Exposure	Severity	Risk score(8x9x10)			Legal	Likelihood/ Exposure	Severity	Risk score	Acceptable (Y/N)		
Formula line (Please copy formula when lost in subsequent rows)										0	Y	NA	NA	NA	NA	0	0	0	Y
1	Cleaning Activity	normal	direct	Exposure to dust	Respiratory Problems	Use of Dust Mask	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
				Exposure to micro organisms / bacteria during cleaning or repair of toilets / urinals / pipelines	Health hazards due to infection	Use of adequate PPEs (hand globes, gun boot, apron, etc.).	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
2	Concrete / cement Plaster work at height	normal	direct	Fall from height	Injury	Use of Fall protection system	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y

				Exposure to dust	Respiratory problems	Use of Dust Mask	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
				Contact with concrete/ cement plaster	Skin irritation	Use of adequate PPEs (hand globes, apron, etc.).	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
				Exposure to dust (cement)	Eye irritation	Use of Safety glasses	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
3	Excavation of Soil	normal	direct	Collapsing of earth	Injury	use of mechineries for excavation,	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y
				Exposure to dust	Respiratory problems	Use of Dust Mask	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
4	Movement of Dumpers/ Dozers/ tractors/ tankers & other heavy vehicles during working hour	normal	direct	Exposure to noise>85db during running of vehicles	Hearing impaired	Use of adequate PPEs (ear plug).	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
				Exposure to vehicular emission during working of heavy vehicles & machineries	Physical Discomfort, Eye injury	use of mask, eye glasses	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
5	Painting Work	normal	direct	Falling of objects from height	Injury	Adequate PPEs, Fall protection system	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y

				Inhalation of fumes	Respiratory problems	use of mask, eye glasses	NA	3	1	3	Y	NA	NA	NA	NA	3	1	3	Y
				Falling from height	Injury	Adequate PPEs, Fall protection system	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y
				Collapse/failure of scaffolding	Injury	tagging, certified by competent person,	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y
6	Stacking of Construction Materials	normal	direct	Road accident due to dumping of construction material and work on road	Injury	Blocking of Road, site of construction , work to permit at road side	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y
7	Transportation of Debris	normal	direct	Faliure of vehicle due to overloading/ unsafe driving /mechanical failure	Accident	Vehicle Fitness, Driver lisenche,Per mit to work, JSA, PJB	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y
8	Work at Height (all type of work like Civil, Plumbing, tree trimming etc)	normal	direct	Fall from height due to failure on use of substandard, untested or damaged ladder	Fatality/ Injury	Fall protection system, adequate PPEs, work to permit, JSA, PJB	NA	1	3	3	Y	NA	NA	NA	NA	1	3	3	Y