

IMPLEMENTATION OF ESMP

Monitoring Proforma (During Construction Activities)

To be filled in by the Project Engineer/Site Engineer



**HIGHER EDUCATION COMMISSION
(Monitoring & Evaluation Division)**

A. Project Profile:

1. Project title: _____

2. Project Basic Details:

Details	Status	
	Original (as per PC-I/Admn. approval)	Revised/Actual (if any)
Cost (Rs. in million)		
Duration (in months)		
Commencement Date		
Completion		

3. PSDP Status:

Ongoing
 New-Approved
 Completed

4. Civil Work Detail:

Modules*	No.	Area of Civil Work (Sqft)	Consultant Hired (Yes/No)	If Yes		Contract Awarded (Yes/No)	If Yes		Physical status**
				Start Date	End Date		Start Date	End Date	

* Academic Block, Admn. Block, Student Hostel, Faculty Residence, Auditorium, Multipurpose Hall, external Work etc.

** Not starts, Initial Stage, Middle Stage, Finishing Stage, Completed etc.

5. Details of Persons Responsible for Civil Work:

Officer / Person Responsible	Name	Contact Details		
		Phone	Mobile	Email
Director (Works)				
Project Director				
Resident Engineer				
Site/Project Engineer				
Consultant				
Contractor				

B. Monitoring Measures

S#	Description	Requisite Monitoring/Action	Compliance (Yes/No)	If Yes Provide Evidences (if any)	If No,	
					Identify Issues/Bottlenecks	Recommendations
1	Construction Camp Operation (if any) 1.1 Soil Erosion/ Contamination; water contamination	1. Whether the contractors prepared a waste disposal plan and submit to Site Engineer for Approval.				
		2. Whether appropriate treatment & disposal system is constructed for domestic sewage having adequate capacity, in accordance with NEQs.				
		3. Whether the oil been collected in drums and sold to the recycling contractors in nearby market.				
		4. Whether the inert recyclable waste from the site (such as card board, drums, broken/used parts, etc) has been sold to recycling contractors in nearby market.				
		5. Whether hazardous waste has been kept separate and handled according to the nature of the waste.				
	6. Domestic solid waste from the construction camp has been disposed in a manner that does not cause soil contamination. The camp sites will be completely restored after the completion of construction works. Has temporary structures been demolished, land leveled and re-contoured to the original condition or better?. Whether all debris and any other material has been removed from the site. The photographs if taken prior to the camp establishment used to restore the area.					
1.2	Air Quality Deterioration	Whether generators and vehicles has been kept in good working condition and properly tuned, in order to minimize the exhaust emissions. Whether proper methods have been implicated to minimized fugitive dust emission. Whether waste water from kitchen and washing area of the construction camp been used for water spraying.				
1.3	Loss of Vegetation	The construction crew been provided with LPG as cooking (and heating if required) fuel. Use of fuel wood will not be allowed.				

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					Identify Issues/Bottlenecks	Recommendations
	1.4 Noise	Whether there are exhaust mufflers to minimize noise generation in generator and vehicles. Compline with NEQs ensured.				
	1.5 Safety Hazards	<ul style="list-style-type: none"> i. Whether protective fencing been installed around the camp to avoid any accidents. ii. Is firefighting available at the camps? iii. Are the camp staff trained about firefighting? iv. Whether all safety precautions been followed to transport, handle and store hazardous substances, such as fuel. v. Whether EHS Plan has been followed? 				
	1.6 Public Health	<ul style="list-style-type: none"> vi. Are first-aid kits available to construction camps & site officers?. vii. Whether the construction crew been <u>awared</u> for the transmissible diseases (such as HIV/AIDS, hepatitis B&C) 				
2	Transportation of Equipment & Construction Materials.	Impervious sheathing been used to avoid soil and water contamination?				
	2.1 Soil Erosion and Construction	Whether the traffic been avoided on unpowered roads?				
	2.2 Air Quality Deterioration	Whether operation of vehicles & machinery close to the water reservoir?				
	2.3 Noise	<p>Whether there are exhaust mufflers vehicles to avoid noise?</p> <p>Has the local population been taken in confidence for such measures?</p>				
	2.4 Safety Hazards	<p>Whether roads signing has been fixed at appropriate locations to reduce safety hazard associated with project-related vehicular traffic</p> <p>Whether it is ensured that vehicles speeds near/within the communities will be kept low, to avoid safety hazard and dust emissions. Whether EHS Plan been followed.</p>				
	2.5 Damage to infrastructure	Whether all damaged infrastructure be restored to original or better condition?				

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					Identify Issues/Bottlenecks	Recommendations
3	Construction works					
	3.1 Blocked Access	Whether a bypass route has been constructed at the project site to divert the through traffic, thus avoiding the public traffic passing through the site.				
	3.2 Noise and Vibration	Is there any arrangements / measure for noise muffing? Whether NEQs followed.				
	3.3 Safety Hazards	Whether there is protective fencing to avoid any unauthorized entry. The EHS plan will be strictly followed.				
	3.4 Damage to infrastructure	Whether all damaged infrastructure be restored to original or better conditions?				
	3.5 Social Issues	Whether local employment been maximized? Whether child labor has been implemented?				
	3.6 Sites of Historical, Cultural, Archeological or Religious Significance	Is there any measures to avoid changes to religious & historical, archeological sites? If there any such sites, whether the federal or provincial deptt been notified?				
	3.7 Soil Erosion	Are there any measures adopted to remove debris& garbage. Whether photographic records maintained for pre-project conditions will be used to restore the area.				
	3.8 Soil Contamination	Is there any arrangement for vehicle & equipment repair on the field like impervious sheathing for soil & water contamination? Whether waste oil is collected drums & sold to recycling contractors.				
	3.9 Air Quality Deterioration	Whether the machinery, generators & vehicles are kept good working conditions & properly timed? Is there any method adapted to minimized fugitive dust emission such as spraying water on soil.				
3.10 Loss of natural vegetation/ aesthetic Value	Whether tree plantation been done on site?					