

## Environmental Site Monitoring Checklist

Note: This form is generic in nature and designed for monitoring rural road construction activities. It may not be exhaustive. Modifications and additions may be necessary to suit individual projects and to address specific environmental issues and associated mitigation measures.

Name of Sub-Project : \_\_\_\_\_

Site Location : \_\_\_\_\_

Construction stage / status during inspection : \_\_\_\_\_

Inspection Date : \_\_\_\_\_

Inspection Time : \_\_\_\_\_

Inspected by : \_\_\_\_\_

Weather : \_\_\_\_\_

Inspection Items	Implemented		N/A	Remarks (specify location, good practices, problem observed, possible cause of nonconformity and/or proposed corrective/preventative actions)
	Yes	No*		
<b>1. Alignment finalization &amp; Site preparation</b>				
1.1. Is transect walk conducted for finalizing the alignment?				Result of Transact Walk
1.2. Are consultations conducted with community village council before alignment finalisation				Suggestions received from community
1.3. Suggestions received on the proposed alignment				Write up on suggestions received and response of PIU
1.4. Are suggestions received from community been incorporated into design				
1.5. Are reasons for not incorporating suggestions been communicated to the community				
<b>2. Environmental Clearances/NoC</b>				
2.1. Environmental clearances to be obtained, if required				Copy of Clearance obtained
2.2. SPCB				Copy of application form submitted if clearance is pending
2.3. Water Resources				
2.4. APDCI/PHED etc.				
<b>3. Relocation of Utility Services</b>				
3.1. Type of loss with numbers				Type of loss and arrangements made
<b>4. Loss of Common Property Resources</b>				
4.1. Are provisions made to community losing common property or assets, if any				Type of loss and arrangements made
4.2. Are provisions for relocation of cultural properties been made				
4.3. Are provisions made for relocation of affected utilities				Type of relocation;
4.4. Procedure followed for relocation				Copy of application submitted to concerned agency

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	Yes	No*		
<b>5. Material source identification, extraction and rehabilitation</b>				
5.1. Is quarry material is being used from existing quarry				
5.2. Is material from existing quarries in sufficient quantities for the project				
5.3. If answer to No. 5.2 is no, then are arrangements made for identification, extraction, rehabilitation of new quarries as per SPCB guideline				
5.4. Is the project area water scarce?				
5.5. If answer to No. 5.4 is yes, are possibilities of use of existing water sources identified in consultation with the villagers, PRI or Govt. Departments? (Community water sources to be used only with their consent)				List of existing perennial sources prepared
<b>6. Water Bodies</b>				
6.1. Does the alignment cut across or passing adjacent to water body?				
6.2. Are consultation conducted with community for seeking consent and measures to be taken to mitigated impacts				
6.3. Are design/plan prepared indicating pond to be affected				
6.4. Are provisions made for control of pollution of pond water during construction				
6.5. Are provisions made for rehabilitation of the water body, if affected				
<b>7. Slope Stability, Soil Erosion &amp; Top soil conservation</b>				
7.1. Are slope stabilization engineering Measures taken if included in the DPR				Locations of measures required and measures suggested
7.2. Are erosion control measures taken if included in the DPR				Specify measures taken
7.3. Are provisions made for conservation of topsoil in stockpiles				
<b>8. Drainage</b>				
8.1. Are culverts at such locations designed to handle the afflux and to ensure that upstream areas do not get flooded and excessive scour caused on downstream nor fields affected				Reasons for not providing culverts
8.2. Has provision been made for construction of temporary water diversion channel and local people are informed about it				

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8.3. Are provisions made for erection of safety devises, Deep excavation barrier, warning signs and warning posts at construction locations over drainage channels				
<b>9. Protection of Forest &amp; Plantation</b>				
9.1. Are trees being cut by the project, if yes indicate number of trees felled				
9.2. Is clearance from the forest department obtained				
9.3. Is land identified for compensatory plantation				
9.4. Amount of Compensation deposited to Forest Dept.				
9.5. No. of trees planted as per the compensatory afforestation plan and locations				
9.6. Is the maintenance of the compensatory afforestation plan done by the contractor?				
<b>10. Historical/Heritage Site</b>				
10.1. Any historical heritage exists on site? If yes, ensure appropriate measures taken to report it to District Authorities and preserve it				Description of the site and protection measures taken
10.2. Others (please specify)				
<b>11. Natural Habitat</b>				
11.1. Does any natural habitat exists along the project corridor				
11.2. Is identification of ecological features being done during transect walk				
11.3. Is Natural habitat Management Plan prepared				
11.4. If yes, are all measures followed during implementation				
<b>12. Air Pollution Control</b>				
12.1. Are the construction sites watered to minimize dust generated?				
12.2. Are all vehicles carrying dusty loads covered/watered over prior to leaving the site?				
12.3. Are dust controlled during percussive drilling or rock breaking?				
12.4. Are plant and equipment well maintained? (any black smoke observed, please indicate the plant/equipment and location)				
<b>13. Water Pollution Control</b>				
13.1. Are there any wastewater discharged to the storm drains?				

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	Yes	No*		
13.2. Are sandbags/earth bund adopted to prevent washing away of sand/silt and wastewater to drains, catchpit, public road and footpath?				
13.3. Is domestic water directed to septic tanks or chemical toilets?				
13.4. Others (please specify)				
<b>14. Noise Control</b>				
14.1. Is the Noisy construction activities be carried out during normal working hours?				
14.2. Any noise mitigation measures adopted (e.g. use noise barrier / enclosure)?				
14.3. Are utilized?				
<b>15. Waste Management</b>				
15.1. Is the site kept clean and tidy? (e.g. litter free, good housekeeping)				
15.2. Are separated labelled containers / areas provided for facilitating recycling and waste segregation?				
15.3. Are construction wastes / recyclable wastes and general refuse removed off site regularly?				
15.4. Are construction wastes collected and disposed of properly by licensed collectors?				
15.5. Are chemical wastes, if any, collected and disposed of properly by licensed collectors?				
15.6. Are oil drums and plants/equipments provided with drip trays?				
15.7. Are drip trays free of oil and water?				
15.8. Is there any oil spillage? Clean-up the contaminated soil immediately?				
<b>16. Health Safety &amp; Environment</b>				
16.1. PPE is supplied appropriate to the task and the user				
16.2. Is the PPE provided by the contractor to all workers				
16.3. Employee Assistance Programme (EAP) information are displayed and available to staff				
16.4. First Aid Plan is displayed on notice board				
16.5. Appropriate first aid kits are available and easily accessible with signs clearly visible				
16.6. First aid kits are checked regularly to ensure they are clean, orderly, fully stocked and not expired				

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	Yes	No*		
16.7. Is portable drinking water facility provided to labour camp				
16.8. Is sanitation facility provided to labour camp				
16.9. Is cooking facility provided to labour camp				
16.10. All trenches and pits are provided with enclosures and caution boards. Stocking of materials and wastes is not obstructing pathways used by community				
<b>17. Resource Conservation</b>				
17.1. Is water pipe leakage and wastage prevented?				
17.2. Are diesel-powered plants and equipments shut off while not in use to reduce excessive use?				
17.3. Are energy conservation practices adopted?				
17.4. Are metal or other alternatives used to minimize the use of timber?				
17.5. Are materials stored in good condition to prevent deterioration and wastage (e.g. covered, separated)?				
<b>18. Emergency Preparedness and Response</b>				
18.1. Are fire extinguishers / fighting facilities properly maintained and not expired? Escape not blocked / obstructed?				
18.2. Are accidents and incidents reported and reviewed, and corrective & preventive actions identified and recorded?				
18.3. Others (please specify)				

\*Any "No" recorded represents the potential breach of regulation or improvement needed and details of nonconformity (NC) shall be recorded in the **Remarks**.

\* Report NC in the following forms. Each NC should make reference into the checklist as coded. The responsible personnel shall identify the root cause of NC and adopt appropriate corrective and preventive actions (CPA) for mitigation. Confirmation of the effectiveness of the CPA shall be verified by Project Manager within an agreed time.

Signature of Site Inspector \_\_\_\_\_ Date \_\_\_\_\_

Reviewed by Project Manager \_\_\_\_\_ Date \_\_\_\_\_

# Environmental Site Monitoring Checklist

Form Number : ARIAS/APART/Roads  
Revision Number : R0  
Date : March 2019

## Improvement Request:

Project \_\_\_\_\_ Site Location \_\_\_\_\_  
Inspection Date \_\_\_\_\_ Inspected by \_\_\_\_\_

NC Reference	
Description of NC	
Root cause of NC	
CPA adopted Target completion date	
Verified by PEO (Date)	

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Description of NC	
Root cause of NC	
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