

Executive Summary

Independent EHS Compliance Audit Report

Ashoka Highway Durg Limited

For Ashoka Highway Durg Limited

January 25 2017

Executive Summary

Ashoka Concessions Ltd (ACL) is a company involved in development of BOT/Annuity based Highway Projects of Ashoka Group. Under its umbrella, ACL has floated seven special purpose vehicle companies (SPVs) to implement road development projects in India. **Ashoka Highway Durg Limited** (hereinafter referred as 'AHDL' or 'Client') is one of such SPVs, which was formed to develop and widen a stretch of 82.6 km four-lane road asset on NH-6 starting at 322.400 km on Durg side at the end of Durg bypass and ending at 405.00 km at Chhatisgarh-Maharashtra border (hereinafter referred to as 'Project'). The concessionaire agreement was signed by AHDL on 23rd January 2008 to manage the road asset for a period of 20 years on BOT basis.

AHDL later appointed Ashoka Buildcon Limited (hereinafter referred as 'ABL') as an EPC contractor for undertaking four-laning of end Durg Bypass to Wainganga Bridge under NHDP-III/ BOT/ IV/ 01 & 02. In this context, NHAI had prepared and submitted the Environmental Impact Assessment Report (EIA) and Resettlement Action Plan (RAP) to ABL.

Shareholding of the project is with ACL (51%) and India Infrastructure Fund (49%). Currently, the road asset is operational and its operations and maintenance are being handled in-house.

The project Equity Group of IDFC requires the project to meet all requirements of the IFC Performance Standards. AHDL has requested AECOM India Private Limited (hereinafter referred as 'AECOM') to provide its technical services for undertaking an Independent Environment, Health, Safety and Social (hereinafter referred as 'EHSS') Compliance Audit for the operating 80 km road stretch.

This Independent Environment, Health, Safety and Social Compliance Audit Report details out the observations made during the assessment along with gaps identified and recommendations to mitigate or minimize the Environment and Social (E&S) risk or impact as identified.

The corrective action plan is presented in Table E1 below:

Table E 1: Corrective Action Plan

Item No.	Observation and Corrective Actions	Priority (Low/Med./ High)	Responsibility	Estimated cost	Expected Deliverables (Report/Measurement)	Deadline (months)
1.	IFC Performance Standards requirements					
1.1.	Record-keeping pertaining to monitoring and assessment of Sub-Contractors' EHS performance <ul style="list-style-type: none"> AHDL needs to strengthen their monitoring mechanism for all the engaged contractors in terms of their EHS performance. AHDL to conduct periodic internal audits. The sub-contractors engaged should maintain daily safety inspection reports including that of lifting tools and tackles and submit the same to HSE officer, AHDL. 	Medium	Project Head and HSE Officer-AHDL - Ensure and Report to Corporate	Budget within existing resources	<ul style="list-style-type: none"> Record keeping of EHS performance reports submitted by the subcontractors. Periodic internal audits to be conducted by AHDL to assess contractors EHS performance. Daily inspection reports by the subcontractors regarding the status of lifting tools and tackles. 	One (1) month
1.2.	Provision of proper Illumination Arrangements at ASC Infraprojects Sites	Medium	Project Head & ASC Infraprojects	Cost in providing illumination arrangements	<ul style="list-style-type: none"> Proper illumination arrangements needs to be provided at ASC Infraprojects Sites 	One (1) month
1.3.	Proper use of PPE's at +km 342.00 and ASC Infraprojects Sites <ul style="list-style-type: none"> Proper use of PPE's such as safety helmets, safety shoes, goggles, and gloves needs to be carried out at +km 342.00 and Tappa Camp office AHDL needs to ensure that all the sub-contractors engaged are adhering to EHS norms and maintaining records for inspection PPE Compliance inspections. 	Medium	Project Head & ASC Infraprojects HSE Officer-AHDL- Ensure and Report to Corporate	Budget within existing resources	<ul style="list-style-type: none"> Site supervisors to daily check for appropriate use of PPEs by the workers and record the status to generate a daily report. Quality and condition of PPEs to be checked periodically against the required standards and records maintained. 	Fifteen (15) days
1.4.	Covering of water tank and proper barricading <ul style="list-style-type: none"> Water tanks at +km 342.00 needs to be covered and proper barricading of the area needs to be carried out by M/s. ASC. 	High	HSE Officer-AHDL and Report to Corporate	Budget within existing resources	<ul style="list-style-type: none"> Covering of water tank at +km 342.00 and proper barricading of the area. 	Fifteen (15) days
1.5.	Strengthening Health and Safety arrangements at Labour Camp <ul style="list-style-type: none"> AHDL to ensure that its sub-contractors provide portable/ mobile urinal/ toilet facility at all labour camps. Dysfunctional toilets to be repaired immediately 	Medium	Project Head Site HRD Team Site HSE Team	Budget within existing resources	<ul style="list-style-type: none"> AHDL to ensure that its sub-contractors provide the following at the Labour camp: portable/ mobile urinal/ toilet facility washing and bathing areas Fire extinguishers 	One (1) month

- AHDL to ensure that, ASC provide washing and bathing areas for labour at labour camp and construct proper drains to avoid water logging.
- Fire extinguishers to be provided in the labour camp.

1.6.	Contractor's Management Plan	Medium	Project EQA Head and HR & Admin Head	Budget within existing resources	<ul style="list-style-type: none"> • contractor management plan to be developed • Records of monthly statement of deposit PF slip/challans to be maintained 	One (1) month
	<ul style="list-style-type: none"> • AHDL to develop a formal contractor management plan with documented procedures and ensure its execution at SPV level. It is also to be ensured that, the contractors and sub-contractors are apprised of the contractor management plan and the procedures. • Records of monthly statement of deposit PF slip/challans are also to be maintained by AHDL management. 					

2. EHS & Industry Sector Guidelines

2.1.	Strengthening safety practices along the road stretch	High	Patrolling Team Project Head & HSE Officer-AHDL/ Corporate HSE Team- ACL	Cost incurred in putting barricading and display of warning signages	<ul style="list-style-type: none"> • Barricading along the flyover near Somani village at chainage +km 328.500 • Display of warning signage indicating speed breaker and speed limits near Thakutola Toll Plaza at chainage +km 331.5--+km 332.00 	Two (2) months
	<ul style="list-style-type: none"> • Barricading along the flyover near Somani village at chainage +km 328.500 needs to be carried out • Display of warning signage indicating speed breaker and speed limits near Thakutola Toll Plaza at chainage +km 331.5--+km 332.00 needs to be carried out 					

