

### CERTIFICATE FOR ALTERNATIVE ASSESSMENT

Component	"With" Project Scenario	"Without" Project Scenario
Highway Geometrics	2 lane carriageway with paved shoulder with geometric improvements	Existing intermediate/2-lane carriageway with poor geometrics
Design Speed	80-100 kmph	In Built up area: 35 and 40 kmph In open Area: 40 and 80 kmph
Congestion in Settlements	Free flow of traffic due to widened carriageway with paved shoulders	Congestion In urban areas
Felling of roadside trees	Felling of both old and young trees. Old and weak trees near the road edge shall be a road hazard and shall be felled. Double the number of new young and healthy trees to be planted in compensation.	No felling of trees. The old trees may become a safety hazard to the road users with passage of time.
Pedestrian safety	Along the settlement stretches with significant pedestrian traffic pedestrian (zebra) crossings, service road and footpath has been provided in urban sections.	Pedestrian safety an issue of major concern especially along the settlements and congested sections.
Road Safety Measures	Provision of proper road markings, zebra crossings and improvement of geometry to reduce accidents.	Accident incidents shall rise with an increased traffic volume.
Environmental Quality	Provision of lined drain in urban settlements improves environmental and quality. Besides an aggressive tree plantation and provision of enhancement features shall not only provide aesthetics but also improve the quality of air	Poor due to congestion and high emission levels because of slow movement of traffic. A further deterioration is expected due to Increase in traffic volumes and further congestion.
Forest Diversion	Envisaged (Kollidam River)	No diversion is necessary
Drainage	Will be improved due to further widening of culverts / bridges with adequate hydraulics.	These issues remain unaddressed without the project



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