

## ADIREMET DEJENA DANSHA PROJECT AND CONTRACT INFORMATION

PROJECT PHASE	PROJECT INFORMATION	DESCRIPTION
<b>PROJECT IDENTIFICATION</b>	Project owner	Ethiopian Road Authority
	Sector	Transport
	subsector	Road
	Project name	Adiremet-Dejena-Dansha Road Project
	Project Location	North West part of Ethiopia in Tigrai which starts from Dansha town passes through Dejena and ends at Adiremet
	Purpose	Upgrading the existing road to DS-3 Standard, which was partly constructed in DS-6 standard up to station Km 59 + 300 and which has no access from Km 59 + 300 till Dejena Town
	Project description	The project connects Tigrai Region with Gondar Humera Road at Dansha town, crosses the Kaza River, passes through Dejena town and ends at Adiremet with a total Length of 97.644km.
<b>PROJECT PREPARATION</b>	Project Scope (main output)	construction of 98 km DS-3 Standard road that involves earth work,; sub base, base course & gravel wearing; bitumen surfacing; bridge & other structures
	Environmental impact	Documents not traced so far
	Land and settlement impact	Documents not traced so far
	Contact details	Email: eramail@era.gov.et <span style="float: right;">p.o.box: 1770</span>
	Funding sources	Federal Democratic Republic of Ethiopia
	Project Budget	926,292,277.49 Birrs
	Project budget approval date	Documents not traced so far

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<b>PROJECT COMPLETION</b>	Project status (current)	Implementation/64.99 % as of October 15/2012
	Completion cost (projected)	936,550,554.86 Birrs
	Completion date (projected)	February 08/2013
	Scope at completion (projected)	Construction of 98 km DS-3 standard road with carriage way width of 7.0 meter and bridge structures with modified design at road sections of Km 34 + 839, Km 38+536, Km 59+046
	Reasons for project changes	Price escalation and variations encountered during contract implementation
	Reference to audit and evaluation reports	NA

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<b>CONTRACT INFORMATION</b>		
<b>CONTRACT PROCUREMENT</b>	Procuring entity	Ethiopian Road Authority
	Procuring entity contact details	Email: eramail@era.gov.et p.o.box: 1770 Addis Ababa/Ethiopia
	Procurement process	International Competitive Bidding
	Contract type	Construction
	Contract status (current)	Work in progress/ 64.99 % as of October 15/2012
	Number of firms tendering	7
	Cost estimate	Tender Evaluation Report not traced sofar
	Contract administration entity	LEAA INTERNATIONAL LTD, Canada in joint venture with LEA ASSOCIATES SOUTH ASIA PVT. LTD, India and CORE CONSULTING ENGINEERS PLC,Ethiopia
	Contract title	Adiremet-Dejena-Dansha Road Project
	Contract firm(s)	Hunan Huanda Road and Bridge Corporation
	Contract price	926,292,277.49 Birrs
	Contract scope of work	Construction of 98 km DS-3 standard road with bridge and other structures
	Contract duration	1090 days
Contract start date	February 10/2009	

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### CONTRACT INFORMATION

<b>CONTRACT IMPLEMENTATION</b>	Variation to contract price	to 10,258,277.41 Birrs
	Escalation of contract price	of 27,061,071.53 Birrs as of October 15/2012 and expected to increase in the future, when the contractor submits the cost escalation request for cement, reinforcement bar, bitumen, labor and equipment.
	Variation to contract duration	to 365 days
	Variation to contract scope	to <ul style="list-style-type: none"> <li>• change in grading for combined aggregate and mix proportion, from medium graded aggregate to continuously course graded aggregate</li> <li>• Change in carriageway width from 6.70 meters to 7.0 meter carriage way width</li> <li>• Design Modification of bridge structures at road sections of Km 34 + 839, Km 38+536, Km 59+046</li> </ul>
	Reasons for price changes	<ul style="list-style-type: none"> <li>• Escalation of the contract price due to an increase in cost of fuel.</li> <li>• Change in carriageway width from 6.70 meters to 7.0 meters ( variation of 15,777,688.52 Birrs)</li> <li>• Design modification of bridges on road sections of Km 34 + 839, Km 38+536, Km 59+046( variation of 10,183,074.99 Birrs)</li> <li>• Supply of two additional type B vehicles (variation of 2,320,590.29 Birrs)</li> <li>• Supply of one additional type B vehicles (variation of 1,141,102.34 Birrs)</li> <li>• change in grading for combined aggregate and mix proportion, from medium graded aggregate to continuously course graded aggregate ( saving 10,183,074.99 Birrs)</li> </ul>
	Reasons for duration changes	<ul style="list-style-type: none"> <li>• The GPS (original benchmark and reference points) from KM 60 was not found during execution, hence there was a need for redesign and approval of the cross section template for execution. As a result the contractor is granted with an interim additional time of 365 days for the delay caused by the redesign.</li> <li>• Failure of the contractor to mobilize Asphalt Plant, supply bitumen and start crushing of asphaltic coarse aggregate; which delayed the asphalt work for part of the road where the base course is completed</li> <li>• The employer's delay to pay compensation cost for removing right off way obstructions from station Km 76 + 00 to 97 + 567.01</li> <li>• Contractor's slow progress due to insufficient supervisory staff and frequent &amp; longer leave period of contractor's staffs including the project manager. On the other hand the number of dump trucks deployed are not sufficient enough to utilize the full capacity of dozers, graders and loaders</li> </ul>
	Reasons for scope changes	<ul style="list-style-type: none"> <li>• Due to the smoothness and sticky nature of medium graded aggregate, particularly in hilly terrain and rainy seasons the pavement structure will lose its skid resistance and will make vehicle skidding; hence changing the grading of the aggregate to continuously coarser grade was necessary for better strength of asphaltic layer</li> <li>• Change in carriageway width from 6.70 meters to 7.0 meters</li> <li>• Design modification of bridges on road sections of Km 34 + 839, Km 38+536, Km 59+046</li> </ul>