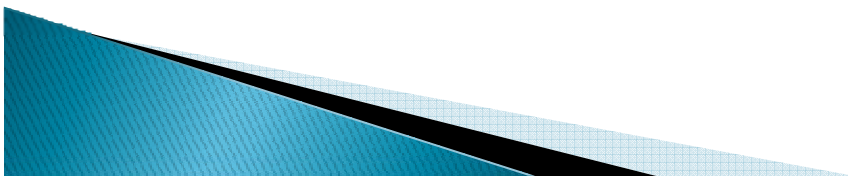


QUALITY IMPLEMENTATION IN ROAD PROJECTS

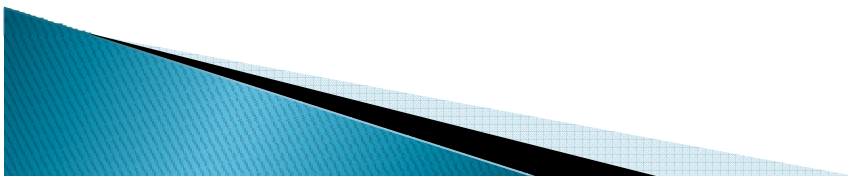
Er. Nalini Kanta Pradhan

Chief Engineer ,World Bank Projects, Orissa



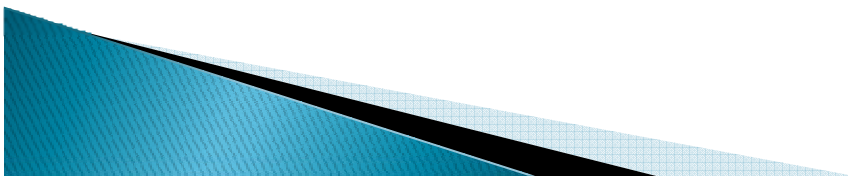
STEPS TO MAINTAIN TRANSPARENCY IN ROAD PROJECTS

- ▶ Adequacy in DPR Stage
- ▶ Adequacy in Tender Stage
- ▶ Adequacy in Project Implementation and Completion
- ▶ Adequacy in Report Generation (Documentation)



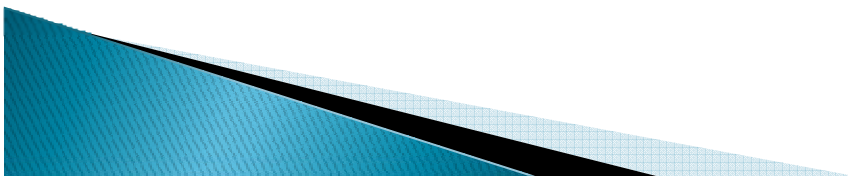
DPR Preparation

- ▶ Investigation
- ▶ Design
- ▶ Cost Analysis
- ▶ Appropriate Tender Document



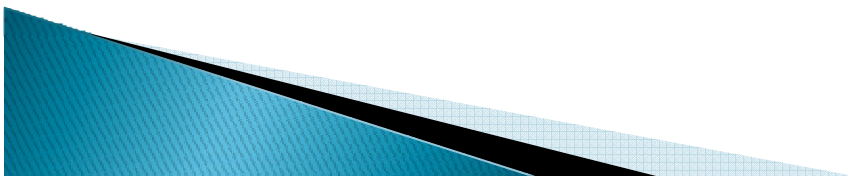
Tender

- ▶ E-Procurement
- ▶ Process
- ▶ Issues



Project Implementation

- ▶ Proper sensitisation to the contractor about the work methodology
- ▶ Quality Assurance Plan– Use of Stage Pass
- ▶ Third Party Supervision
- ▶ Quality Audit Report by Supervising Authority before completion



Stage Pass

Chainage	Item of works	γ_L	γ_F	Reference	Signature			Remarks
1/000 to 1/200	L.H.S-Subgrade	1.7	1.68	Page No Page No				Allowed for next layer/Repeat
	RHS-Subgrade	1.7		Page No Page No				Allow/Repeat
	LHS-GSB	2.1	2.08	Page No Page No				
	RHS-GSB	2.1	2.1	Page No Page No				
	LHS-WMM.	2.4	2.4	Page No Page No				
	RHS-WMM	2.4	2.4	Page No Page No				
	LHS-BM	Bitumen content						
	RHS-BM	Bitumen content						
	LHS-SDBC	Bitumen content						
	RHS-SDBC	Bitumen content						

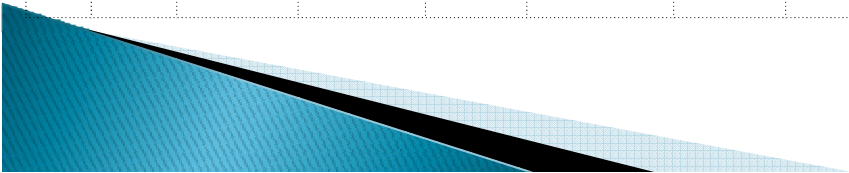
STAGE PASS FOR STRUCTURES

OSRP-CW-Y1-P03-Berhampur-Taptapani
Road

Structure
Type :

Slab/ Box/
HP/ Bridge -

SI No	BOQ item no	Item of work	RFI		Testing of Item Reference	Level Sheet Reference	Engineer	Contractor	Employer	Quantity	Remarks
			No.	Date							

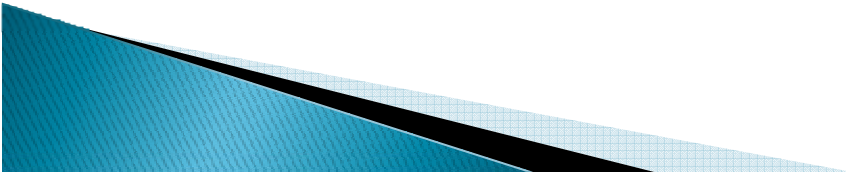


STAGE PASS for Highway Items

OSRP-CW-Y1-P03-Berhampur-Taptapani Road

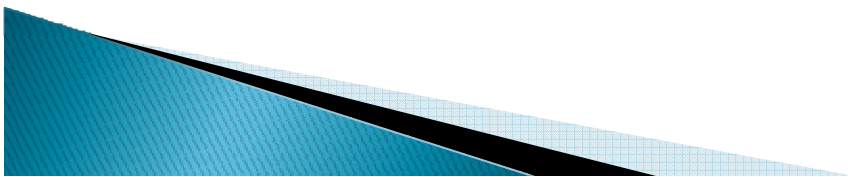
Section _____ to _____HS

SI No	BOQ item no	Item of work	RFI		Testing of Item		Level Sheet Reference	Engineer	Contractor	Employer	Quantity	Remarks
			No.	Date	Reference	Reference						



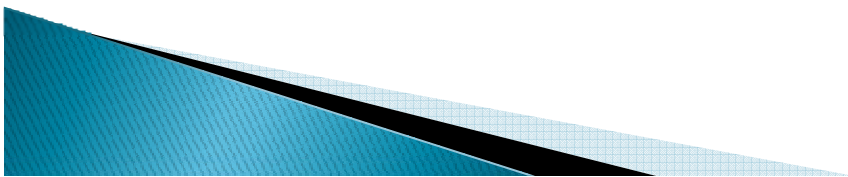
Third Party Supervision

- ▶ Supervision of Quality Monitor
- ▶ Audit Report of Quality Monitor
- ▶ Compliance to the Audit Report by the “Engineer”



Supervising Authority's Audit Report

- ▶ Supervising Authority's Report on Quality
- ▶ Compliance to the Report
- ▶ Acceptance of Final works



Thank you!



Questions?