

Attachment- 2,
Project Cost

Name of Project - "Rehabilitation and Up-gradation of Seldoh To Pawnar National Highway (NH-353I) from [Design Km. 39+200 to Km. 88+620] to Two/Four lane with paved shoulders configuration in the state of Maharashtra on Engineering, Procurement & Construction (EPC) Basis Contract (Package-II)."

The construction cost is worked out according to the development proposal. Cost of civil works is calculated bill wise and other non-civil items like R&R cost, land acquisition cost, Utilities relocation cost, Environmental cost, contingencies etc. are added to arrive the project cost. The Abstract of Project Cost is presented under below Table;

Attached on Next Page. No. ____



(N. V. Borkar)

Executive Engineer

National Highway Division

Nagpur, Maharashtra

Signature & Seal

Date:

Place NAGPUR

Attachment- 2, Project Cost

Cost estimate is an important component of the feasibility study as it provides vital input to economic and financial evaluation. The cost estimation has been prepared for the project road, for improvement of the existing road to 2-lane with paved shoulder configuration including reconstruction/new construction/widening/raising of the existing pavement & cross drainage structures, underpasses, Grade Separators, ROB, RUB, Major bridges, Minor bridges, unlined longitudinal drains, road furniture, bus bays, improvement of junctions, project facilities etc. Over and above these construction costs, provision has been made for environmental costs, relocation of utilities, cost of land acquisition, R & R, contingencies, quality control, supervision charges, escalation charges and maintenance charges as lumpsum provisions to assess the total preliminary project cost of the project road.

The construction cost is worked out according to the development proposal. Cost of civil works is calculated bill wise and other non-civil items like R&R cost, land acquisition cost, Utilities relocation cost, Environmental cost, contingencies etc. are added to arrive the project cost. The Abstract of Project Cost is presented under below Table;

PACKAGE - I : FROM WADI - HINGANA - TAKALGHAT - SECTION OF NH 353 I

(Km. 39+200 to Km. 88+620)

GENERAL ABSTRACT

Section	Sr. No.	Civil Works	Amount
			Creore
A	1	Site Clearance and Dismantling	0.45
	2	Excavation and Earthwork	39.60
	3	Sub-Bases, Bases (Non Bituminous)	39.35
	4	Cement Concrete Pavement	105.30
	5	Service/Slip Road	2.95
	6	Construction of VUP	9.48
	7	Construction of Major Bridges	19.89
	8	CD Structures (Minor Bridges, Culverts)	42.61
	9	Drainage and Protection Works	18.94
	10	Traffic Signs, Markings & Road Appurtenances	2.88
	11	Miscellaneous (<i>Junction Improvement, Bus Bay with Bus Shelter, Utility Service Pipe & Utility Duct High mast etc.</i>)	10.46
TOTAL CIVIL COST (A) =			291.91

Section	Sr. No.	Civil Works	Amount
			Creore
		CIVIL COST PER KM (In Cr.)	6.00
B	i)	Contingencies @ 2.8 % of (A) above	8.17
		SUB TOTAL (B) =	300.09
C	(i)	Agency charges @ 3% of (B) above	9.00
	(ii)	Supervision charges @ 3% of (B) above	9.00
	(iii)	5% per year of A as per phasing Price Escalation	14.60
	(vi)	Maintenance charges @ 2.5% of (A) for four years [0.25% for 1st year, 0.5% for 2nd year, 0.75% for 3rd year & 1% for 4th year; total 2.5%]	7.30
		CENTAGES (C)	39.90
		TOTAL PROJECT COST (B + C)	339.98
		PER KM PROJECT COST	6.99
D	(vii)	Land acquisition	44.90
	(viii)	utility shifting, Forest Clearance and other preconstruction activities	19.45
		LA, Utility shifting (D)	64.35
		TOTAL CAPITAL COST OF THE PROJECT (C+D) =	404.37
		TOTAL PER KM CAPITAL COST OF THE PROJECT (In Cr.) =	8.36

Date

Place: -



Executive Engineer

National Highway Division

Nagpur, Maharashtra

Signature & Seal