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<b>Execution of the work</b>	Marti India Pvt. Ltd.
<b>Construction Period</b>	2012 – 2013

## Project Description

The company was engaged in Mangdechhu Hydroelectric Project (720 MW), one amongst the ten Hydroelectric projects planned under the 10,000 MW hydropower development by the year 2020 programme of royal government of Bhutan. The company was involved in the construction of headrace tunnel of the said project from ADIT I (additional diversion intermediate tunnel), ADIT II, and ADIT III.

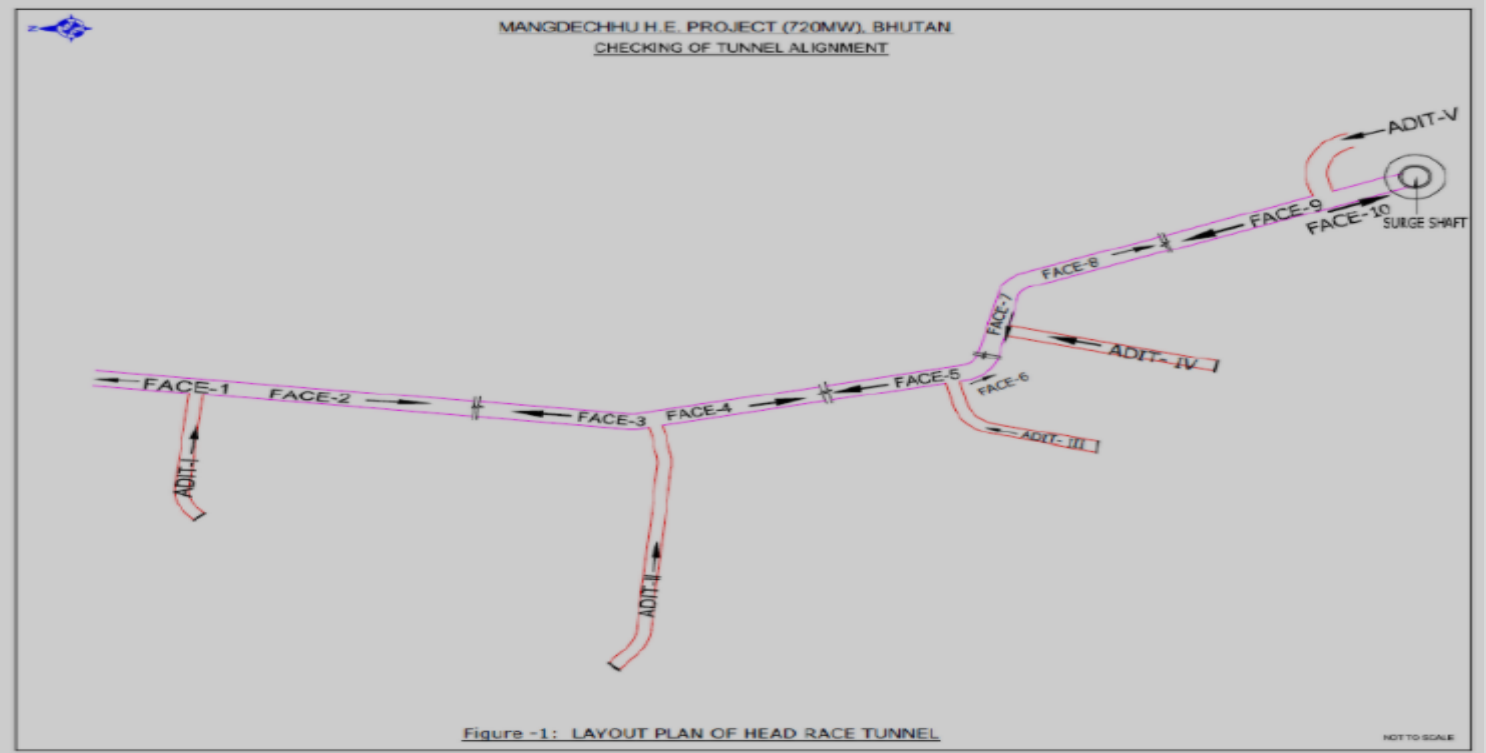
During the period M/s Marti India Pvt. Ltd. achieved 196 Rm of tunnel construction from one face in month of June, 2013 which is till date the maximum progress achieved in Bhutan ever from single face. The company also carried out maximum of 368 Rm of tunnel excavation from all the faces together undertaken by the company in month of September, 2013.

## Scope of work

- Excavation of Tunnel by Drilling and Blasting Method by means of Drill Jumbo in Rock class Class I, II, III, IV & V followed by multi drifting in no rock class.
- Plain, polyfibre Shotcreting works by means of robotic arm spray machine.
- Supply and Installation of 25mm & 32mm dia Rock Bolts, SDA, Water expandable anchors.
- Supply and Installation of 25mm & 32mm dia Forepole.







**Period of work - 11<sup>th</sup> May 2012 to 30<sup>th</sup> Oct 2013**

Particulars	Location (ADIT / HRT)	Length Completed (Rm)
Construction of ADIT ( 6.5m D Shadped)	ADIT I	328.6
	ADIT II	650.73
	ADIT III	350.5
Construction of HRT (Excavated Diameter 7.5m Horse shoe)	Face 1	76.4
	Face 2	470.2
	Face 3	339
	Face 4	356.4
	Face 5	165.4
	Face 6	4
<b>Total</b>		<b>2741.23 Rm</b>

