



**SAI**  
Consulting Engineers Pvt. Ltd.



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Friends,

## Welcome to our In-house Magazine,

As we have entered 2005, let us all first pray for the Tsunami Victims who lost lives, their near & dear ones & property ..... virtually everything. At H.O. Ahmedabad, we all were reminded of the killer earthquake of 2001 and how Gujarat fought against all odds to rehabilitate & reconstruct. As they say life has to go on.



SAI (H.O. Building, Ahmedabad)

We started the new year with a prayer for the departed souls of all the victims and also with dreams for the new year. During this year, our company was successful in getting our first overseas project in Bangladesh.

With the government focussing on infrastructure development, I see a bright future for consulting field and we all as a team, will have to perform consistently to achieve solid progress. I wish you all peace and prosperity. I would like to inform all of you that our company has been renamed as 'SAI Consulting Engineers Pvt. Ltd.' from Sheladia Associates & Consultants (I) Pvt. Ltd.

- Sonal Modi

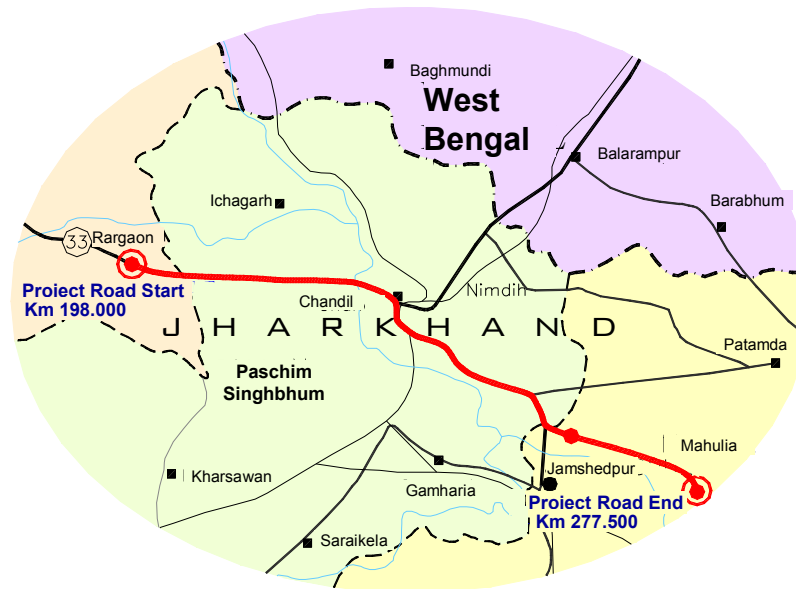
### Features:

- Feasibility Study and DPR for 4/6 Laning of Rargaon-Jamshedpur (total length-80 km) on NH-33 in the state of Jharkhand under 10000 kms Non-NHDP Programme
- Get Together (SAI Picnic in Green Woods)
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## Detailed Project Report for 4/6 Lining of Rargaon-Jamshedpur-Mahulia Section NH-33

National Highways Authority (NHA) of India has been entrusted to implement the development of national highways. Sheladia Associates & Consultants (I) Pvt. Ltd. with its proficiency in highway project planning and efficiency in highway designing has been selected by NHA for the preparation of Feasibility Report and detailed Project Report for 4/6 lining of Rargaon-Jamshedpur-Mahulia section of NH-33 in the State of Jharkhand under 10,000 km Non-NHDP Programme.



Jharkhand State has recently been bifurcated from Bihar state after the prolonged struggle by Jharkhandis for neglecting them and their region from various development schemes initiated by Government of India and Bihar State Government. Hence this project of developing NH-33 under Non-NHDP scheme is a God sent timely boon to improve the infrastructure of this backward area.



The present status of the stretch of NH-33 is a two lane carriageway which is inadequate even for the present day traffic, not to speak of the future traffic growth and being distressed at many places. These deficiencies need to be removed and rehabilitated suitably. Upgraded by strengthening the existing 2-lane road and widened to suit future traffic assessment.

The project road stretches between Rargaon at km 198/000 and Mahulia at km 277/500. The main towns and villages along this road are Rargaon, Chowka, Chandil, Asanbani, Jamshedpur and Mahulia.



## NH-33



In this project, there is a railway skew overbridge across Jamshedpur-Bokaro broad gauge railway line at km 224/900 which requires widening to suit our four laning proposals.

There are 26 minor bridges and 85 culverts besides one major bridge across river Subanarekha at km 220/031. There are four major intersections to be improved suitably with grade separators. Four Flyovers are proposed at these locations.



The Sheladia Associates & Consultants have prepared a feasibility report to upgrade this existing 2-lane carriageway of NH-33 into 4-lane divided carriageway configuration with the facility of partial access controlled road in accordance with the international standards at a total project cost of Rs.390 Crores with the following essential provisions.

- 1) Geometric improvements to ensure safe and comfortable travel.
- 2) Widening to 4-lane carriageway to achieve 100 km/h high speed travel.
- 3) Detours to ease traffic congestion at urban and built up areas.
- 4) Widening bridges and cross drainage works to remove bottle-necks at narrow bridges and to facilitate free flow of traffic.
- 5) Suitable truck parking with necessary amenities to the truck drivers to prevent hazardous parking of trucks on the road margins obstructing free flow of traffic and inconveniencing the travelling public.

In addition to these provisions, restaurants, phone booths, petrol pumps and trauma care hospitals at suitable intervals are proposed along this stretch of NH-33 for the safety and comforts of the travelling public.

- Mr. C. Radhakrishnan, Team Leader, RO