

Brief note on the Project- "Construction of 4-lane Dedicated Coal Corridor Road from Bankibahal(Coal mines) to Bhedabahal (S.H. 10) Road from 0/0km to 30/811km

The Basundhara Coal Field Area is situated in the western part of the Sundargarh and Districtwise in the western part of Odisha. It is the largest open cast coal mine in India. Thousands of trucks / multi axle are being used to carry the coal from the mines to different industrials area of the district as well as neighbor district.

The vehicles carrying coals from Basundhara Coal Field area use the Bankibahal – Duduka - Suruguda – Ujjalpur – Sundargarh Bye-pass Road (M.D.R. -29, M.D.R..-27 & M.D.R.) and ultimately take-up to their destination route either Rourkela or Jharsuguda Side through (S.H.-10).

Prior to emerging the Basundhara coal field area, these Sundaragr – Lephripara Road (M.D.R. -27), Suruguda-Balichuan- Balinga – Hemgiri – Kanika Road (M.D.R.-29), and Duduka – Taparia Road (M.D.R.) were extensively being used by the peoples residing in Tangarpali, Lepharpura, Hemgiri Tahasil area of Sadar Sundargarh Sub-Division. Now a days these peoples are using the same road for transportation / communication purpose. The mixed traffic of the local public with cycle, motorcycle, four wheeler, etc with the 2000 coal loaded trucks and multi axle heavy vehicles regularly causing fatal traffic accident. Nos. of human lives has already been lost due to over busy of this road. Blockage of road, damages to the vehicles is a common phenomenon after any type traffic accident in this road. The coal authority is losing crores of rupees due to blockage of the road for days by the public.

Construction of four lane dedicated coal corridor road from Bankibahal (Coal mines) to Bhedabahal (SH-10) from 0/000Km. to 30/811Km was discussed in the 4th RPDAC of Mahanadi Coal Field Limited Meeting for Basundhara and Garjanbahal Area held on 11-02-2011 at Pragati Mandap, Sundargarh.and the project was approved.

The proposed coal corridor road will takes off from Bankibahal Chhack situated in the heart of the Basundhara Coal Mines area. The end point is at 74/200 Km. on Sambalpur – Sundargarh – Rourkela Road (S.H.-10) which ultimately connects the industrial towns namely Jharsuguda and Rourkela. The total length of the proposed coal corridor is 30.811

EXISTING 2 LANE ROAD IMPROVEMENT PROPOSALS

The existing portion of Road from 0/0km to 8/484km is double lane road with 7.00mt. Carriage way and 1.5mt. Shoulderwidth. The road from 8/484km to 12/930km is of intermediate lane with 1.50mt shoulder width.The road length from 12/930km to 13/430km is single lane road.After 13/430km there is no formation at all and new 2 lane construction of road has been proposed.

This road passes through number of villages as follows.

1	BANKIBAHAL	9	SANABALICHUA	17	NIALIPALI
2	BAILANGA	10	AINLABAHAL	18	JHIMERMAHUL
3	BARPALI	11	BIJADIHI	19	SURUDA
4	DUDUKA	12	SRI BHUBANPUR	20	KHAMARBAHAL
5	BANDHAPALI	13	BUDELKANI	21	LANKAHUDA
6	KUNDARA	14	MAHIKANI	22	BRAHMANIPALI
7	KALOBABHAL	15	BADABANGA	23	JAPANGA
8	SAREIKELA	16	BHARATPUR	24	BHEDABAHAL

This road is the only means for communication for the people of Hemgir ,Tangarpali and Lephripada tahasil to reach their district headquarter/hospital district level offices etc. The people of this village will get benefit directly as this villages are on the road. However About 2,80,000 people of 350 villages will get benefit directly and indirectly after construction of this road. Again construction of 11 nos of VUP and PUP will eliminate the traffic congustion and the accidents. The worth of the new construction will be justified by saving the precious life of the human.

A gist of villages along with population to be benifitted for this road has been illustrated below

	SI No.	Name of the Tahasil		No. of villages tobe		
	1	Hemgir		138		
	2	Lephripada		48		
	3	Tangarpali		46		
	4	Sundargarh sadar		78		
	5	Balishankara		40		
		Total		350		
Sl. No.	Populations	No. of Villages	Total Nos. Of	Male	Female	
1	<200	55	7695	3874	3821	
2	200-499	112	47880	24015	23865	
3	500-999	97	75705	37898	37807	
4	1000-1999	63	97650	49575	48075	
5	2000-4999	23	50945	25412	25539	
6	5000-9999					
7	>10000	
		350	279875	140774	139107	

Since the project will be monitored through different machines, the employment generations or the mandays will be generated for 5% of the construction cost (About 12 crore) of the project .

Since this widening and new construction of this road was a long pending demand of the people and hence it has been proposed for construction of 4-Lane road upto 8/484km and then 2 lane road from 8/484km to 30/811km .

The widening of the road will not affect the existing road. The allignment of the new proposed road has been taken on the single side or either sides of the existing road taking consideration of the geometrics of the road.**AS the maximum forest land exist on both sides of the existing road i.e upto 12/400km and this road is to be widened on both sides of the existing road forest land of 26.99 hectare is required for construction of the road.Similarly non forest land of 140.98 hectar is required for this project which is unavoidable.**

In this project the lands affected except the Forest area are as follows.

Government Plots	Area in hectare	No. of private Plots	Area in hectare	Total Area
231	45.25	364	74.27	119.52
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The details of forest land are as follows

Revenue Plots	Area in hectare	Reserve Forest	Area in hectare	Total Area
63	21.41	3	5.584	26.994
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The reserve forest are in three phases and the details of the land is as follows

Reserve Forest Details: Forest Division/District wise Break-Up

Sl No	District	Forest Division	Toposheet No	Chainage (Proposed)	Name of the Forest (RF/PF)	Length of Forest (in Km)	Area(in Ha) after DGPS Survey
1	Sundargarh	Sundargarh	F44L16	2.100 km to 3.48km (Entire road for 30mt. width)	SIDARMUNDA RF	1.380km	4.141
2	Sundargarh	Sundargarh	F44L16	8/180 Km 8/400 (Road for 30mt. width)	PUNJIPAHAR RF	0.290km	0.867
3	Sundargarh	Sundargarh	F44L16	10/150 - km to 10/343 (Road for 30mt. width)Touchi ng RF Line	PANIKHOLIA RF	0.193km	0.576
						1.863km	5.584

There are total 6522 nos of trees standing on the land to be acquired and details of the abstract of the trees are reflected below.

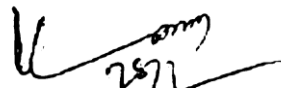
TREE ABSTRACT OF THE ROAD		
Sl No.	category	No. of trees
1	Revenue forest	1747
2	Reserve forest	727
3	Government land	1706
4	Private land	2342
	Total	6522

COST OF THE PROJECT

The cost of this Project is Rs 398.96 crore including supervision charges, quality monitoring, project management consultant, annual maintenance for 3 years etc. which are reflected in the abstract sheet..



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