

## CHECK LIST NUMBER- 5

### SITE INSPECTION REPORT

1.	Name of the Project.	Proposal for permission over 3.96 ha (diversion of 0.970 ha. + re-diversion of 2.990 ha) forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd in Keonjhar District, Odisha
2.	Name of District/ Division.	Keonjhar/ Keonjhar Forest Division.
3.	Date of Inspection.	06.12.2022 & 02.03.2023
4.	Name and designation of Inspecting Officer.	Dhanaraj H.D, I.F.S. Divisional Forest Officer, Keonjhar Division.
5.	Name and designation of the Officers who attended the Inspection including representative of user agency.	Sri Ranjan Kumar Pani, Deputy Range Officer, Barbil Range. Sri Saran Barik, Forester Barbil Section Smt. Debajani Mahanta, Forest Guard, Barbil Beat. Sri Akshay Mohanty, Forester Guali Section Sri Dolagobinda Deo, Forest Guard, Guali Beat Representative of the User Agency of JSW Utkal Steel Ltd. 1. Gyana Ranjan Kar, General Manager 2. Binaya Kumar Sahoo, Dy. Manager 3. Pratap Tandia, Sr. Manager 4. Jiten Ku Sahoo, Manager
6.	Legal Status of the Forest land with area Proposed for diversion	Permission over 3.96 ha (diversion of 0.970 ha. + re-diversion of 2.990 ha) forest land.  Diversion of 0.970 ha forest land involves Revenue Forest- 0.002 ha, DLC Forest- 0.618 ha & Sabik Forest- 0.350 ha.  Re-diversion of 2.990 ha forest land involves Reserve Forest- 1.733 ha, Revenue Forest- 0.292 ha & Sabik Forest- 0.965 ha.
7.	If area required for diversion has been demarcated on the ground.	Yes

#### 8. Item wise break up of forest land proposed for diversion.

Sl	Purpose of Utilization	Area in Hectares						
		Reserve Forest	Revenue Forest	DLC Forest	Sabik Forest	Total Forest	Non-Forest	Grand Total
Diversion								
1	Width of the Pipeline	0.000	0.002	0.462	0.169	0.633	1.287	1.920
2	Control Room	0.000	0.000	0.116	0.169	0.285	0.000	0.285
3	Approach Bridge from Control Room to Intake well	0.000	0.000	0.040	0.012	0.052	0.033	0.085
	Sub-Total	0.000	0.002	0.618	0.350	0.970	1.320	2.290

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## Re-Diversion

1	ROW of NHAI	1.733	0.292	0.000	0.965	2.990	3.816	6.806
<b>Grand Total</b>		<b>1.733</b>	<b>0.294</b>	<b>0.618</b>	<b>1.315</b>	<b>3.960</b>	<b>5.136</b>	<b>9.096</b>
9	Condition of Vegetation and type of forest in the applied area.	<p>The prevailing vegetation in the forest land proposed for diversion includes Sal and Sal associates. The geological formation of this area is quite suitable for growth of Sal. Sal constitutes around 70 to 75% of the top canopy.</p> <p>As per tree enumeration list the floral species find are viz <i>Tectona grandis</i>, <i>Gmelina arborea</i>, <i>Shorea robusta</i>, <i>Mangifera indica</i>, <i>Terminalia tomentosa</i>, <i>Syzygium cumini</i>, <i>Bridelia retusa</i>, <i>Diospyros melanoxylon</i> &amp; Misc Species are exist in the applied forest land.</p> <p>The canopy density of the prevailing forest growth varies from 0.2 to 0.8. Pure patches of Sal along with miscellaneous Sal associates occurs in Sidhamath &amp; Thakurani Reserved Forest. The prevalence of pole crop to middle aged Sal crop in this area indicates the shifting cultivation in the past and the crop can therefore be considered to be secondary origin. The average canopy density of the instant forest area to be diverted is found to be <b>0.5</b>.</p>						
10	Position of Wildlife	<p>Sidhamath &amp; Thakurani Reserved Forest is the dwelling habitat for Elephant, Leopard, Bear, Barking Dear, Hyena, Porcupine and etc. wild elephants, often, visit Sidhamath &amp; Thakurani Reserved Forest and the adjoining Forest Blocks.</p> <p>The proposed site falls under elephant habitat zone- 2 as per the book titled Remote Sensing Application for characterization of elephant habitat and corridor in Odisha and parts of Bihar published by ORSAC in September, 1999.</p>						
11	Whether the applied area involves any Eco-Sensitive Zone / National Park / Sanctuary.	The applied area does not involve any Eco-Sensitive Zone / National Park / Sanctuary.						
12	No. of trees to be felled and its impact on the eco-system.	<p>There are 214 Nos. of sound trees and 17 Nos. of unsound trees (total Nos. 231) standing in the forest land proposed for diversion of 3.96 ha. There are 92 Nos. of sound trees and 10 Nos. of unsound trees (total Nos. 102) standing in the non-forest land over 5.136 ha. The species wise and diameter class wise abstract of total enumerated trees is enclosed as <b>Annexure- 12 &amp; 13</b> respectively.</p>						
13	Details of broken up land and reclamation done if any.	The proposed water pipeline project is envisaged to be aligned along the existing road within the forest land connecting the water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd in Keonjhar District, Odisha. However, the User Agency is required to make good the land after use and make good any loss to forest/environment.						
14	Position of displacement of people and adequacy of rehabilitation, if any.	Not applicable						

15	Position of rare and endangered species available and importance of the applied area from archeological point of view.	No rare or endangered species is available in the applied diversion area, but elephant movement is often noticed in the area. There is no archaeologically important monument situated in the area.
16	Non-forest land selected for Compensatory afforestation has been included in the D.L.C. report or not.	Not applicable
17	Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation.	Not applicable
18	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	No violation has been observed in respect of the forest land proposed for diversion under FC Act, 1980 for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd.

Date: 18.03.2023  
Place: Keonjhar

  
18/03/23  
Divisional Forest Officer,  
Keonjhar Division

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