

JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)

220kV D/C GODDA – DUMKA TRANSMISSION LINE

FORM – A

PART – I

1. PROJECT DETAILS:-

(i) Short narrative of proposals & project for which forest land is required

JUSNL (Jharkhand Urja Sancharan Nigam Limited) is primarily entrusted for the construction and successful operation of High Voltage Transmission lines with a mission to form a Grid network to facilitate effective transfer of power within the State. The scheme is for construction of **220kV D/C Godda - Dumka** Transmission line. The proposed Transmission line shall connect the newly constructed 220/132/kV Sub Station at Godda (Village:- Siripur) in Godda district and Existing 220/132/kV Sub Station at Dumka (Village:- Gharbhanga) in Dumka district of Jharkhand state.

The line traverses through Poriyahat, Godda & Pathargama blocks in Godda district and Ramgarh, Jama & Dumka blocks in Dumka district. The line shall be utilized for transfer the power from 220/132/kV Dumka Sub-Station to 220/132/kV Godda Sub-Station. The line shall also be an important link of the Ramgarh & Jama blocks under Dumka and Poriyahat & Patthargama blocks in Godda district. This line is very much vital in view of strengthening of transmission system in the district of Dumka & Godda. Therefore, the power transmitted through this line will boost the Industrial, Commercial, Domestic and Agricultural growth of total Godda & Dumka district. In this way this will lead to accelerate the development of economy of the district of Dumka & Godda as well as Jharkhand State as a whole. Some portion of the line passing through Notified Forest of **Dumka Forest division** where a **Corridor of 35mtr.** shall be utilized for construction of the said line, as well as maintaining **statutory** electrical clearance for safe operation.

During selection of route alignment of transmission line, necessary survey **has** been carried out to avoid Forest land. The proposed transmission line is passing through **Dumka & Godda Forest Divisions** with total length of **70.18308 KM**.

For erection of 220kV D/C Transmission line with the span of **17.5 mtr.** on either side of the center line, total area of land involvement is **245.64078 Ha**. Out of this total area, the area **4.5012 Ha.** is coming under Notified Forest land and **(217.71958 Raity + 23.4200 GM) = 241.13958 Ha.** is coming under Non-Forest land.

SL. NO	NAME OF FOREST DIVISION	TOTAL LENGTH (KM)	TOTAL AREA (Ha)	JUNGLE JHARI (Ha)	FOREST LAND (Ha)	GM LAND (Ha)	RAITY LAND (Ha)
1	DUMKA	33.04620	115.66170	NIL	4.5012	9.2820	101.87850
2	GODDA	37.13688	129.97908	NIL	NIL	14.1380	115.84108
TOTAL=		70.18308	245.64078	NIL	4.5012	23.4200	217.71958

	<p>The proposal is submitted for SL. No. 1 & 2.</p> <p>The villages in which Forest land area is proposed to be diverted are annexed as Annexure: – I, for Forest land.</p> <p>Due care and precaution has been taken to eliminate Forest and the possibilities of the other alternatives were also explored. This is the minimum required Forest area for diversion.</p> <p>All the forest land coming in the alignment which is given GREEN colour demarked on Geo-reference map of Annexure:-XII.</p>
(ii) Maps showing the required forest land, boundary of adjoining forest land on a 1:50000 scale map	<p>(a) Survey of India Topo sheet map in scale of 1: 50000 is annexed as Annexure :- XIII, The Final Route alignment has been shown in RED colour on the maps, the alternative Route- R2 is marked in GREEN and Route- R3 in GREY.</p> <p>(b) The cadastral map of the concerned Notified Forest land has been annexed as Annexure:-XIV, showing Forest land in GREEN colour.</p>
(iii) Cost of Project	The estimated cost of the project is Rs. 5700 Lacks.
(iv) Justification of locating the project in forest area	<p>All possible alternatives have been explored to reduce the requirement of Forest land. While finalizing the route of the line, best attempts have been made to avoid Reserved Forests and Protected Forests coming on the way keeping in view the techno-economical requirements.</p> <p>The proposed line is passing through 4.5012 Ha. of Forest under Dumka Forest Division. The said forest cannot be avoided because of dense habitation and villages on either side of the proposed route. The above forest land is minimum requirement for the construction of the proposed line.</p>
(v) Cost Benefit Analysis	Enclosed as Annexure : – IV
(vi) Employment likely to be generated	<p>For construction of the transmission line there will be huge employment potential. Around 300 people will be engaged continuously for 18 months during construction of the line. Also employment opportunities will be opened on the beneficiary Agricultural and Commercial sector. In course of construction local contractor will be benefited to a large extent. (Total Man days = 240days/yr.(240×300×1.5)=1,08,000)</p>

2. Purpose wise break up of the total land required:-

SL. NO.	NAME OF FOREST DIVISION	TOTAL FOREST LAND IN (Ha)	CONSTRUCTION OF TOWERS AREA		LAYING AREA OF 220KV LINE GODDA-DUMKA
			NOS.	AREA (Ha)	
1	DUMKA	4.5012	06	0.4200	4.0812
2	GODDA	NIL	NIL	NIL	NIL
TOTAL:-		4.5012	06	0.4200	4.0812

3. Details of Displacement of people due to this project, if any
No

4. Number of family

(i) Number of Scheduled Caste / Scheduled Tribe family	Nil
(ii) Rehabilitation Plan (to be enclosed)	N/A
(iii) Whether clearance under Environment (Protection) Act, 1986 required	Not required.

5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zones etc. as per the scheme prepared by the State Government. (Undertaking to be enclosed)

	Undertaking furnished by the competent authority enclosed as Annexure:- II
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6. Details of certificates / documents enclosed as required under the instructions:-

(i) Schedule of land annexed as Annexure:- I
(ii) Undertaking regarding compensatory afforestation scheme by the competent authority annexed as Annexure:- II
(iii) Undertaking regarding payment of NPV as Annexure:- III
(iv) Cost benefit analysis annexed as Annexure:- IV
(v) MOU (In between Jharkhand State Govt. and JUSNL) annexed as Annexure:- V
(vi) GOI Notification regarding Environment clearance annexed as Annexure:-VI
(vii) Lay out elevation & plan annexed as Annexure:-VII
(viii) Jungle Jhari plots certification concerned Circle Office as Annexure:-VIII
(ix) NOC from DC for JJ land & GM land as Annexure:- IX
(x) FRA certificate with gram sabha as Annexure:- X
(xi) Enumeration list of Forest Trees as Annexure:-XI
(xii) The Geo-reference (cadastral) maps of the concerned Notified Forest and Jungle Jhari land has been annexed as Annexure - :-XII, (showing forest land and Jungle Jhari land.)
(xiii) 1 : 50,000 scale SOI maps No:- 72-P1, P2, P3, P5, P6 & 72-P7 showing the route Alignment with alternatives of proposed power line annexed as Annexure:-XIII.
(xiv) Route alignment on Mouza Map (Forest and JJ Land) annexed as Annexure:-XIV.

Signature :



Name in block letters : C. MARANDI

Designation : Electrical Executive Engineer.

Address : Jharkhand Urja Sancharan Nigam Limited,
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Jharkhand