



# झारखण्ड ऊर्जा संचरण निगम लिमिटेड

संचरण अवर प्रमण्डल, चतरा

ईमेल: aeeitkhorigss@gmail.com

पत्रांक: 37 / प्रबंधक/सं0अ0प्र0, चतरा

दिनांक: 31 / 05 / 2019

प्रेषक,

प्रबंधक,

संचरण अवर प्रमण्डल, चतरा ।

सेवा में,

वन प्रमण्डल पदाधिकारी,

वन प्रमण्डल (उत्तरी)

चतरा ।

विषय:—प्रस्तावित चिन्हित 132/33 के0भी0 ग्रिड सब स्टेशन ग्राम—बोरा, प्रखण्ड हंटरगंज जिला चतरा निर्माण हेतु भूमि उपयोजन का त्रुटियों का निराकरण कर प्रस्ताव की प्रति समर्पित करने के संबंध में ।

प्रसंग:— 1) वन प्रस्ताव संख्या FP/JH/Sub Station / 39837/2019.

2) इस कार्यालय का पत्रांक संख्या — 30, दिनांक 21.05.2019।

3) आपका पत्रांक संख्या — 1453, दिनांक 28.05.2019।

महाशय,

उपरोक्त विषय के संदर्भ में कहना है कि चिन्हित 132/33 के0भी0 ग्रिड सब स्टेशन ग्राम—बोरा, प्रखण्ड हंटरगंज जिला चतरा के निर्माण हेतु भूमि उपयोजन का ऑनलाइन कर प्रस्ताव की प्रति आपके कार्यालय समर्पित किया गया था। प्रस्ताव समीक्षा उपरांत निम्नलिखित त्रुटियां पत्रांक संख्या — 1453, दिनांक 28.05.2019 के माध्यम से आपके कार्यालय द्वारा दी गई जिनका निराकरण इस प्रकार है :-

क्र0 सं0	त्रुटियां	निराकरण
1	सभी पृष्ठों पर प्राधिकारी का नाम मुहर के साथ हस्ताक्षर होना अनिवार्य है, जो की नहीं है।	इसका निराकरण करते हुए प्रस्ताव में नाम मुहर लगाकर संशोधित प्रस्ताव आपके समक्ष प्रस्तुत है।
2	संलग्न Authorization Letter में Authorised person का पूर्ण विवरणी संलग्न नहीं है।	Authorised person का पूर्ण विवरणी Annexure – A में संलग्न है।
3	पार्ट - 1B के कंडिका B-1 में list of proposal submitted in past में Nil अंकित किया गया है, जबकि चतरा जिला का मौजा — ढाडा में भारत सरकार द्वारा 132/133 के0वी0 ग्रिड सब-स्टेशन का निर्माण हेतु स्वीकृत प्रदान की गई, कृपया पूर्ण विवरणी अंकित किया जाय।	इसका निराकरण करते हुए संशोधित प्रस्ताव आपके समक्ष प्रस्तुत है। Proposal No.: FP/JH/Others/22938/2016 Name of Project for which forest land is required: Construction of 132/11KV Grid Sub-Station at Chatra.
4	पार्ट — 1बी के बी-2.4 में 4.04 हे0 वनभूमि पर केवल Total Grid Sub-Station निर्माण दिखाया गया है, जबकि ग्रीड सब-स्टेशन के साथ आवासीय	<u>Tentative land utilization plan</u> 1. स्वीचयार्ड एवं, कंट्रोल रूम, डी0जी0 रूम इत्यादि — 7 एकड़। 2. कॉलनी, ट्रांसीट कैंप जाने हेतू रास्ता, कार्यालय — 2 एकड़।

प्रमण्डल कार्यालय: विद्युत कार्यपालक अभियन्ता, संचरण प्रमण्डल, झारखण्ड ऊर्जा संचरण निगम

लिमिटेड, प्रथम तल, श्रृंगारी कॉम्प्लेक्स निकट मोंटफोर्ट स्कूल, कनहरी हिल रोड, हजारीबाग।

पंजीकृत कार्यालय: झारखण्ड ऊर्जा संचरण निगम लिमिटेड भवन, कुसई कॉलोनी, डोरन्डा, राँची—

834002



# झारखण्ड ऊर्जा संचरण निगम लिमिटेड

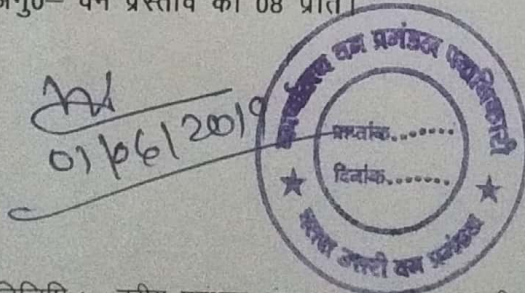
संचरण अवर प्रमण्डल, चतरा

ईमेल: aeeitkhorigss@gmail.com

	भवन/कार्यालय इत्यादि का निर्माण किया जाता है। कृपया Component-wise Breakup अंकित किया जाए।	3. स्टॉकली यार्ड, स्टोर (Indoor) इत्यादि - 1 एकड़।  प्रयोक्ता एजेसी द्वारा प्रस्तावित परियोजना का Layout मानचित्र प्रक्रियाधीन है।
5	प्रस्तावित क्षेत्र में कोई पेड़-पौधे अवस्थित हैं, उनमें से कितने का पातन किया जाना है अथवा नहीं। इसका विवरणी अंकित नहीं है।	प्रस्तावित क्षेत्र में कुल 948 पेड़ प्रभावित होंगे इसकी सूची इस पत्र के साथ संलग्न है।
6	प्रस्ताव में संलग्न Justification में वन भूमि लेने के संबंध में स्पष्ट उल्लेख नहीं किया गया है।	प्रस्तावित परियोजना भूमि अंचलाधिकारी हंटरगंज के द्वारा भविष्य में होने वाले निर्माण कार्य एवं सब-स्टेशन के ऑपरेशन एवं मेंटेनेंस को ध्यान में रखकर झारखण्ड ऊर्जा संचरण निगम लिमिटेड को आवंटित करने हेतु अनुमण्डलीय पदाधिकारी के द्वारा उपायुक्त चतरा को समर्पित किया गया है।
7	Cost Beniefit Analysis भारत सरकार द्वारा निर्गत प्रपत्र में नहीं है।	Cost Beniefit Analysis भारत सरकार द्वारा निर्गत प्रपत्र पर्यावरण वन और जलवायु परिवर्तन मंत्रालय के पत्र संख्या 7-69/2011-FC(Pt) दिनांक 01.08.2017 के अनुसार बनाया गया है। पर्यावरण वन और जलवायु परिवर्तन मंत्रालय के पत्र संख्या 7-69/2011-FC(Pt) दिनांक 01.08.2017 संलग्न है।
8	टोपो मैप में दर्शाया गया स्थल तथा संकेत में अंतर है, कृपया इसे ठीक कराया जाए।	टोपो मैप में दर्शाया गया स्थल तथा संकेत के अंतर का निराकरण करते हुए प्रस्ताव समर्पित है।
9	प्रस्तावित स्थल पर अबतक पिलर से चिन्हित नहीं किया गया है कृपया अविलंबन कराकर अनुपालन प्रतिवेदन समर्पित किया जाए।	प्रस्तावित स्थल का पिलर से चिन्हित किया जा चुका है।

अतः महाशय से अनुरोध है, कि उक्त त्रुटियों का निराकरण कर प्रस्ताव की 08 प्रति आपके कार्यालय में पुनः समर्पित की जा रही है।

अनु०- वन प्रस्ताव की 08 प्रति।



विश्वासभाजन

31/05/19  
प्रबंधक,

संचरण अवर प्रमण्डल, चतरा ।

प्रतिलिपि :- वरीय प्रबंधक, संचरण प्रमण्डल, हजारीबाग को सूचनार्थ ।

**प्रमण्डल कार्यालय:** विद्युत कार्यपालक अभियन्ता, संचरण प्रमण्डल, झारखण्ड ऊर्जा संचरण निगम लिमिटेड, प्रथम तल, श्रृंगारी कॉम्प्लेक्स निकट मोंटफोर्ट स्कूल, कनहरी हिल रोड, हजारीबाग।

**पंजीकृत कार्यालय:** झारखण्ड ऊर्जा संचरण निगम लिमिटेड भवन, कुसई कॉलोनी, डोरन्डा, राँची-

834002



# JHARKHAND URJA SANCHARAN NIGAM LIMITED

CIN: U40108JH2013SGC001704

Regd. Office: SLDC Building, Kusai Colony, Doranda, Ranchi - 834002, JH

Phone: 0651-2400804

Website: www.jusnl.in

## OFFICE OF THE SENIOR MANAGER, TRANSMISSION DIVISION, HAZARIBAG

Letter No: 304/TD/HZB

Date: 31/05/2019

From,

Senior Manager,  
Transmission Division,  
Hazaribagh.

To,

Shri. Sunil Kumar,  
Manager, Transmission Sub-division, Chatra  
Office Add: Sringeri Complex, 1<sup>st</sup> Floor,  
Canary Hill Road, Near Montfort School, Hazaribag - 825303

Subj: Authorization letter (Modified) for signing/processing/uploading of forest clearance proposal for construction of 132/33kV Grid Sub-station at Village-Bonra, Hunterganj, Distt- Chatra.

Ref. No.: 1) This office Letter No. 207 dtd. 12/04/2019.  
2) Letter No. 1453/DEO(N), Chatra dtd. 28/05/2019

Dear,

We hereby authorized you for signing/processing/uploading of forest clearance proposal on behalf of Jharkhand Urja Sancharan Nigam Limited (JUSNL) for construction of 132/33kV Grid Sub-station at Village-Bonra, Hunterganj, Distt- Chatra.

Details are as given below:

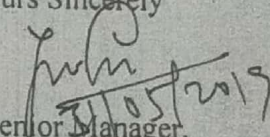
Name: Sunil Kumar

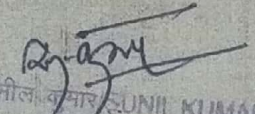
Designation: Manager

Email Id: aeetkhorigss@gmail.com

Phone No. 8527702271

Yours Sincerely

  
Senior Manager,  
Transmission Division,  
Hazaribagh

  
SUNIL KUMAR  
Manager  
संचरण अवर प्रमंडल/TSD  
झारखण्ड उर्जा संचरण निगम लिमिटेड/JUSNL  
चतरा/Chatra

Division Office: Sringeri Complex, 1<sup>st</sup> Floor, Canary Hill Road, Near Montfort School, Hazaribag - 825303,

JH

Mob: +91 7762827005

Email: eeetdhzb@gmail.com

No. 7-69/2011-FC(Pt.)  
Government of India  
Ministry of Environment, Forest & Climate Change  
(Forest Conservation Division)

Indira Paryavaran Bhawan,  
Jorbagh Road, Aliganj,  
New Delhi-110003.  
Dated: 01<sup>st</sup> August, 2017.

To

The Principal Secretary (Forests)  
All States / Union Territories Governments.

Sub: **Guidelines for conducting Cost Benefit Analysis for projects involving diversion of forest land under the provisions of the Forest (Conservation) Act, 1980.**

Sir,

I am directed to inform that in supersession of all earlier orders / guidelines including that referred to at 2.6 of the Handbook of Forest (Conservation) Act, 1980 for conducting Cost Benefit Analysis of projects involving forest diversion, a revised set of guidelines has been prepared by the Ministry and shall be applicable for all projects involving diversion of forest land under the provisions of the Forest (Conservation) Act, 1980, which are required to be undertaken as per Table A of the new guidelines, from the date of issue of this letter. These guidelines will be applicable for all such projects which are yet to be recommended by the State Government on the date of issue of this guideline.

The guidelines for conducting Cost Benefit Analysis for projects involving forest diversion areas is enclosed herewith for further action.

This issues with the approval of competent authority.

Yours faithfully,

Encl: As above.

(Nisheet Saxena)

Sr. Assistant Inspector General of Forests

Copy to:-

1. Prime Minister's Office (PMO)
2. Secretary, Ministry of Mines, Government of India
3. Secretary, Ministry of Coal, Government of India.
4. Secretary, Ministry of Steel, Government of India
5. Principal Chief Conservator of Forests, all States/UTs.

6. Nodal Officer, the Forest (Conservation) Act, 1980, all States/UTs.
7. All Regional Offices, Ministry of Environment, Forest and Climate Change (MoEF&/C)
  8. Joint Secretary, In-charge, Impact Assessment Division, MoEF&CC.
  9. PS to the Hon'ble Minister of State (Independent Charge) for Environment, Forest and Climate Change.
  10. Chairman, State Environment Impact Assessment Authority, all States/UTs.
  11. Member-Secretary, State Environment Impact Assessment Authority, all States/UTs.
  12. All Directors/Assistant Inspector General of Forests in Forest Conservation Division, MoEF&CC.
  13. All Advisors/Directors/Dy. Directors in the Impact Assessment Division, MoEF&CC.
  14. Director, Regional Office (Headquarters), MoEF&CC.
  15. Sr. Director (Technical), NIC, MoEF&CC with a request to place a copy of this letter on website of this Ministry.
  16. Sr. PPS to the Secretary, Ministry of Environment, Forest and Climate Change.
  17. Sr. PPS to Director General of Forests and Special Secretary, Ministry of Environment, Forest and Climate Change.
  18. Sr. PPS to Addl. Director General of Forests (Forest Conservation), Ministry of Environment, Forest and Climate Change.
  19. PPS to IGF(FC), MoEF&CC.
  20. Guard File.



(Nisheeth Saxena)

Sr. Assistant Inspector General of Forests

**Guidelines for conducting cost-benefit analysis for projects involving forest diversion**

- (i) While considering proposal for diversion of forest land for non-forestry use, it is essential that ecological and environmental losses and eco-economic distress caused to the people who are displaced are weighted against economic and social gains.
- (ii) Whenever the forest land is involved in the development projects, the cost of ecosystem services and fragmentation of habitat of wildlife and economic distress caused to people dependent on forests and the cost of settlement of people dependent on forest should also be added as the cost of forest diversion in addition to the standard project cost which would have been incurred by the user agencies without involvement of forest land while conducting the cost benefit analysis of the project. Similarly the benefits from the project accruing due to diversion of forest land and used in the project should also be accounted for in the benefits component in addition to the standard benefits of the project which would have been accrued without involvement of forest land while conducting the cost benefit analysis and determining the benefit and cost ratio (BC ratio).
- (iii) The cost of compensatory afforestation and its maintenance in future and soil & moisture conservation at present discounted value and future benefits from such compensatory forestation accruing over next 50 years monetised and discounted to the present value should be included as cost and benefits respectively of compensatory afforestation while conducting the cost benefit analysis and determining the benefit and cost ratio (BC ratio).
- (iv) **Table-A** lists the details the types of projects involving forest land for which cost-benefit analysis will be required. **Table-B** lists the parameters according to which the cost aspect of forest land diverted for the development projects will be determined, while **Table-C** lists the parameters for assessing the benefits accruing to the project using of forest land.
- (v) A cost-benefit analysis as above should accompany the proposals sent to the Central Government for forest clearance under the Forest Conservation Act.

## Cost Benefit Analysis Guidelines for forest land diversion -2017

**Table-A : Cases under which a cost-benefit analysis for forest diversion are required**

No	Nature of proposal	Applicable/ not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in plains and upto 5 hectare in hills	Not applicable	These proposals may be considered on a case to case basis and value judgement
2	Proposal for defence installation purposes and oil prospecting (prospecting only)	Not applicable	In view of national Priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	These activities being detrimental to protection and conservation of forest, as a matter of policy, such proposals would be rarely entertained.
4	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centres, TV towers etc.	Applicable	These are cases where a cost-benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest.

**Table-B: Estimation of cost of forest diversion**

SN	Parameters	Remarks
1	Ecosystem services losses due to proposed forest diversion	Economic value of loss of eco-system services due to diversion of forests shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF& CC). <i>Note: In case of National Parks the NPV shall be ten (10) times the normal NPV and in case of Wildlife Sanctuary the NPV shall be five (5) times the normal NPV or otherwise prescribed by the ministry or any other competent authority</i>
2	Loss of animal husbandry productivity, including loss of fodder	To be quantified and expressed in monetary terms or 10% of NPV applicable whichever is maximum
3	Cost of human resettlement	To be quantified and expressed in monetary terms as per approved R&R plan
4	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project	To be quantified and expressed in monetary terms on actual cost basis at the time of diversion

## Cost Benefit Analysis Guidelines for forest land diversion -2017

5	possession value of forest land diverted	30% of environmental costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possession value of forestland whichever is maximum
6	Cost of suffering to oustees	The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted.
8	Habitat Fragmentation Cost	While the relationship between fragmentation and forest goods and services is complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule.
	Compensatory afforestation and soil & moisture conservation cost	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted value

**Table-C - Existing guidelines for estimating benefits of forest-diversion in CBA**

Sr. No.	Parameters	Remarks
1	Increase in productively attribute to the specific project	To be quantified & expressed in monetary terms avoiding double counting
2	Benefits to economy due to the specific project	The incremental economic benefit in monetary terms due to the activities attributed to the specific project
3	No. of population benefited due to specific project	As per the Detailed project report
4	Economic benefits due to of direct and indirect employment due to the project	As per the Detailed project report.
5	Economic benefits due to Compensatory afforestation	Benefits from such compensatory forestation accruing over next 50 years monetised and discounted to the present value should be included as benefits of compensatory afforestation. *For benefits of CA the guideline of the Ministry for NPV estimation may be consulted.

**Note-1: Net Present value (NPV) of environment and ecosystem services loss:**

The concept of Net Present value of the forest land diverted is a scientific method of calculating the environmental cost and other losses caused due to diversion of forest land for non-forestry purposes. The NPV represents the net value of various ecosystem services and other environmental services in monetary terms which the forest would have provided if the forest would not have been diverted.

**Note-2: Possession value of forest land diverted:**

The forest land diverted for the project such as irrigation, hydropower, railways, roads, wind, and transmission lines and mining etc are unlikely to be returned and remains in possession of the user agencies. Therefore 30% of the net present value (NPV) of forest land diverted or market rate of adjoining area in the district should be added as a cost component as "possession value of forest land" in addition to the environmental costs due to loss of forests.

