

OFFICE OF THE DIVISIONAL FOREST OFFICER ; ANGUL FOREST DIVISION

Memo No. 1991 /Dated. 16-3-17

To

The Regional Chief Conservator of Forests
Angul Circle, Angul.

Sub:- Submission of proposal seeking prior approval of Central Government under the Forest (Conservation) Act, 1980 for diversion of 2.075 ha of forest Land (**No forest land is involved in respect of Angul Division**) for Laying of iron Ore Slurry Pipeline from Barbil to Angul. Ref:

Ref: 1. Proposal No. FP/OR/Others /9825 /2015

With reference to the above cited subject, it is to inform that the proposal No. FP/OR/Others/ 9825/ 2015) for seeking prior approval of Central Government under the Forest (Conservation) Act, 1980 for diversion of 2.075 ha of forest Land for Laying of iron Ore Slurry Pipeline from Barbil to Angul for non forest purpose has been received in this office on 02.03.2017. But no forest land is involved in this project in respect of Angul Forest Division.

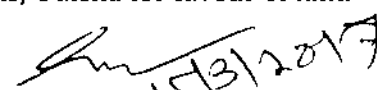
In view of the above, the required form No. II duly filled in along with forest diversion proposal for the above project is sent herewith through **Online** and hard copy submitted in 5(five) sets for favour your kind information and necessary action.

Encl:- As above.


15/3/2017
Divisional Forest Officer
Angul Division.

Memo No. 1992 /Dated. 16-3-17

Copy submitted to the Addl. Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, F.C. Act, O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action.


15/3/2017
Divisional Forest Officer
Angul Division



DOC NO: JSPL/66/2016-17

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE SUB-COMMITTEE OF THE BOARD OF DIRECTORS OF JINDAL STEEL & POWER LIMITED IN ITS MEETING HELD ON JUNE 29, 2013 AT NEW DELHI

CHANGE OF AUTHORISED SIGNATORY IN CONNECTION WITH SETTING UP OF BARBIL-ANGUL CONCENTRATE SLURRY PIPELINE PROJECT

"RESOLVED THAT pursuant to resolution no. 18 passed by the Board of Directors in its meeting held on 18th January, 2012 for setting up of Barbil – Angul Concentrate Slurry Pipeline (CSP) in the state of Odisha, Shri D.K. Sarogi, Wholetime director, Shri Rakesh Kumar, President – finance & commercial, Shri Debashish Dash, Deputy General Manager –LA and Shri Anurag Tripathi, Sr. Manager – Slurry Pipeline project be and are hereby severally authorised to approach various authorities – government / semi- government or local and obtain requisite approvals, permissions, sanctions, clearances, appoint consultants, advisors, contractors, suppliers etc., negotiate and finalise terms and conditions with them for implementation of the said project and sign, on behalf of the Company, necessary deeds, documents and papers for this purpose.

RESOLVED FURTHER THAT authority given to Shri Anand Goel, Shri Rajesh Jha and Dr. Rakesh Saxena by the abovementioned Board resolution is hereby withdrawn with immediate effect.

RESOLVED FURTHER THAT a copy of the resolution be forwarded to the concerned authority(ies) / office(s)."

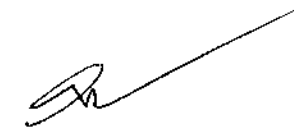
for Jindal Steel & Power Limited

Certified to be true.../-

Jagdish Patra
Vice President &
Group Company Secretary


Authorised Signatory
Anurag Tripathy
AGM Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

Issued on: June 07, 2016
Place: New Delhi


J. Chandra Prasad
Angul Division

Jindal Steel & Power Limited
CIN No.-127105HR1979PLC009913

Jindal Centre, 12 Bhikaiji Cama Place, New Delhi 110 066
+91 11 4146 2000 +91 11 2616 1271 www.jindalsteelpower.com

O. P. Jindal Marg, Hisar, 125 005, Haryana

jsplinfo@jindalsteel.com

PART- II

(To be filled by the concerned Deputy Conservator of Forests)

Proposal No. FP/OR/Others/9825/2015

7	Location of the Project/Scheme	Proposal seeking prior approval of Central Government under the Forest (Conservation) Act, 1980 for diversion of 2.075 ha of forest Land (No forest land is involved in respect of Angul Division) for Laying of iron Ore Slurry Pipeline from Barbil to Angul.
i	State/Union territory	Odisha
ii	District	Angul
iii	Forest Division	Angul Forest Division
iv	Area of forest land proposed for diversion (in ha.)	No forest land is involved in respect of Angul Division.
v	Legal status of Forest	
vi	Density of vegetation	
vii	Species wise (Scientific names) and diameter class wise enumeration of trees (to be enclosed). In case of irrigation/hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed)	
viii	Brief note of vulnerability of the forest area to erosion.	
ix	Approximate distance of proposed site for diversion from boundary of forest.	
x	Whether forms part of National Park, Wildlife Sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (if so, the details of the area and comments of the Chief Wildlife Warden to be annexed)	3.662 ha non forest land is involved in respect of Angul Division which is passing through Kanheijena-Anatapur Elephant corridor by the side of Kanheijena RF.
xi	Whether any rare/endangered/ unique species of flora and fauna found in the area if so, details thereof.	No
xii	Whether any protected archeological / heritage site/ defense establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.	No

8	Whether the requirement of forest land proposed by the user agency in Col.2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item wise with details of alternatives examined.	No forest land in respect of Angul Forest Division is involved in the project.
9	Whether any work in violation of the Act has been carried out (Yes/No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress.	No
10	Details of compensatory Afforestation scheme	
i	Details of non-forest area/degraded forest area identified for compensatory Afforestation, its distance from adjoining forest, number of patches, size of each patch.	2.75 ha non forest land in two plots(plot No. 169/1913 & 169/1914 of village kurmula in Pallahara Tahasil of Deogarh Division. has been identified for compensatory Afforestation in lieu of 2.075 ha forest land to be diverted for Laying of iron Ore Slurry Pipeline from Barbil to Angul by JSPL.
ii	Map showing non-forest/degraded forest area identified for compensatory Afforestation and adjoining forest boundaries.	DGPS Map enclosed .
iii	Detailed compensatory Afforestation scheme including species to be planted, implementing agency, time schedule, cost structure , etc.	CA scheme is to be submitted by DFO Deogarh Division.
iv	Total financial outlay of compensatory Afforestation scheme	
v	Certificates from competent authority regarding suitability of area identified for compensatory Afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests)	Suitability to be given by Deogarh Division
11	Site inspection report of the DCF (to be enclosed especially highlighting facts asked in Col.7 (xi, xii) 8 and 9 above.	As there in no forest land involved in this project in respect of Angul Forest Division site inspection has not been done.

12		Division/District profile	
	i	Geographical area of the district	637500 ha
	ii	Forest area of the district	271682.00 ha
	iii	Total forest area diverted since 1980 with number of cases.	3451.0655 ha.
	iv	Total compensatory Afforestation stipulated in the district/ division since 1980 .	
	a	(a) Forest land including penal compensatory Afforestation	1529.812 ha
	b	Non forest land	1588.372 ha
	V	Progress of compensatory Afforestation as on 31.03.2016	
	a	Forest Land	1339.43 ha
	b	Non forest land	953.9 ha
13		Specific recommendation of the DCF for acceptance or otherwise of the proposal with reasons.	Recommended for acceptance.

Signature

Name:

T. Panda
15/3/2017

Deputy District Officer

Official Seal:

SITE INSPECTION REPORT OF DFO ANGUL DIVISION

1	Name of the Project	Proposal seeking prior approval of Central Government under the Forest (Conservation) Act,1980 for diversion of 2.075 ha of forest Land(No forest land is involved in respect of Angul Division) for Laying of iron Ore Slurry Pipeline from Barbil to Angul.
2	Name of the district/division	Angul/ Angul (T) Division
3	Date of Inspection	
4	Name & designation of the Inspecting Officer	
5	Name & designation of the other Officers who attended the inspection including representatives of the user agency	
6	Legal status of forest land with area proposed for diversion	
7	If area required for diversion has been demarcated on the ground.	
8	Item-wise breakup of the forest land proposed for diversion.	
9	Condition of vegetation and type of forest in the applied area.	
10	Position of Wildlife in general.	
11	Whether the applied area is involved with any eco-sensitive area/ national park/ sanctuary.	
12	No. of trees to be felled and its impact on the systems.	
13	Details of broken up area and reclamation done if any.	
14	Position of displacement of people and adequacy of rehabilitation, if any.	
15	Position of rare and endangered species available of importance of area from eco-social point of view.	No.

16	Non forest land used in the project and non forest land selected for compensatory Afforestation is included in the D.L.C. Report or not.	2.75 ha non forest land in two plots(plot No. 169/1913 & 169/1914 of village kurmula in Pallahara Tahasil of Deogarh Division. has been identified for compensatory Afforestation in lieu of 2.075 ha forest land to be diverted for Laying of iron Ore Slurry Pipeline from Barbil to Angul by JSPL.
17	Suitability of the identified non forest area for compensatory Afforestation.	
18	Violation of forest (Conservation) Act 1980 if any and action taken thereof.	

G. Panda
Divisional Forest Officer

Angul Division.

Divisional Forest Officer

Angul, Division

15/2/2017

PART-I FORM-A

DETAIL NOTE ON THE PROJECT, INCLUDING THE INFORMATION REGARDING THE NUMBER OF VILLAGES AND NUMBER OF PERSONS TO BE BENEFITED FROM THE PROJECT INCLUDING EMPLOYMENT GENERATION.

(i) List of Villages (Angul Forest Division)

Sr. No.	Village Name	RI Circle	Tahasil	District	Forest Section	Forest Range	Forest Division
1	Shipur	Shipur	Kaniha	Angul	Seepur	Talcher	Angul
2	Shilingi	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
3	Parabil	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
4	Gaham	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
5	Baruan	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
6	Kateni	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
7	Bethiabhuin	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
8	Kulei	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
9	Tipo	Parabil	Kaniha	Angul	Talcher	Talcher	Angul
10	Bhaktipal	Parabil	Kaniha	Angul	Talcher	Talcher	Angul

(ii) Employment Generation (Direct and Indirect) due to the project

Employment opportunity will be generated during implementation of the project.

There will be permanent employment of 30 persons including Sr. Executives, Managers, Administrators, Engineers, Supervisors and Skilled Technicians.

The Unskilled labours will be recruited from the local area and surroundings during the construction period and approximately 250 workforces will be engaged.

In addition to direct employment, proposed project shall generate number of indirect job opportunities on local and regional basis.

In addition to direct employment, several opportunities for locals will be generated in terms of supply of construction materials, vehicles and other essential commodities.

Also, Local transporters shall be preferred for transportation of machinery/ materials.

Preference shall be given to locals for temporary direct and indirect employment

The Detailed Project Report is enclosed for reference.

Authorised Signatory
Anurag Tripathy
AGM- Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

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Divisional Forest Officer
Angul, Division

Page 1 of 1

Forest Diversion Proposal of
M/s Jindal Steel & Power Ltd. for
Barbil - Angul Iron Ore Slurry Pipeline Project

Proposal No. FP/OR/Others/9825/2015

**AUTHENTICATED LAND SCHEDULE OF VILLAGES
BARBIL - ANGUL IRON ORE SLURRY PIPELINE PROJECT
ANGUL FOREST DIVISION**

Sr. No.	Village Name	RI Circle	Tahasil	District	Forest Section	Forest Range	Forest Division
1	Shipur	Shipur	Kaniha	Angul	Seepur	Talcher	Angul
2	Shilingi	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
3	Parabil	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
4	Gaham	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
5	Baruan	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
6	Kateni	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
7	Bethiabhuin	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
8	Kulei	Parabil	Kaniha	Angul	Seepur	Talcher	Angul
9	Tipo	Parabil	Kaniha	Angul	Talcher	Talcher	Angul
10	Bhaktipal	Parabil	Kaniha	Angul	Talcher	Talcher	Angul

TAHASIL OFFICE: KANIHA

No. 424 /Dt. 8.2.17

To,

The Divisional Forest Officer,
Angul.

Sub: - Diversion for Ha. 2.075 (0.0 Ha of Angul Division) for laying of Slurry Pipeline in Angul District by M/s Jindal Steel & Power Ltd., Nisha.

Ref: -

1. Letter No. 2811 dated 13/05/2015 of DFO Angul.
2. Letter No. 2428, dated 11/08/2015 of this office.
3. Letter No. JSPL/ANGL/SPP/2017/004, dated 24/01/2017 of JSPL, Angul.

Sir,

With Reference to the letter on the subject cited above and authentication of Land Schedule and Village maps by this office vide letter under reference 2, I am to submit herewith necessary certificate regarding status of total land involved in the project both forest and non-forest land and map each 7 copies in original as per the Govt. records 25/10/1980 RoR for taking necessary action at your level.

"Certified that status of total land involved in the project (both forest & non forest) as given in the table below is as per the Government records as on 25/10/1980."

Name of the Project	Name of the Tahasil	Acquired land			Total land in Ac.
		Revenue Forest land	Private land	Govt. land	
Slurry Pipeline (Diversion)	Kaniha	0.000	0.335	8.715	9.050
Slurry Pipeline (Re-Diversion) – 10 mtr Corridor	Kaniha	7.880	10.160	9.420	27.460
	Total	7.880	10.495	18.135	36.510

Name of the Project	Name of the Tahasil	Acquired land			Total land in Ac.
		Revenue Forest land	Private land	Govt. land	
Slurry Pipeline (Re-Diversion) – 5 mtr Corridor	Kaniha	4.616	4.892	4.510	14.018
	Total	4.616	4.892	4.510	14.018

Note: -

Diversion Proposal Villages: - Seepur, Silling, Parabil, Gaham, Baruan, Kateni, Bethiabhuin, Kulei, Tippto & Bhaktipal

Re-Diversion Proposal Villages: - Balangi, Rutubhuin, Bhagirathipur, Khairanali, Chandrabil, Chandrasckharpur, Dhobapal & Badahar.

Yours faithfully

Tahasildar, Kaniha

Memo No.

Dt.

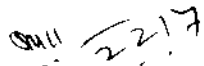
Copy to the A.G.M (Slurry Pipe Line Project), M/s Jindal Steel & Power Ltd., Nisha, Angul.

Sdr.
Tahasildar, Kaniha

Summary of Land Schedule
Barbil - Angul Iron Ore Slurry Pipeline Project
Diversion Proposal

Sr. No.	Village Name	Proposed Private Land in Ac			Proposed Private Land in Ha			Govt. Land in Ac			Govt. Land in Ha			Total land in Ac.	Total land in Ha
		Forest	Non-Forest	Total	Forest	Non-Forest	Total	Forest	Non-Forest	Total	Forest	Non-Forest	Total		
1	Shipur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.236	1.236	0.000	0.500	0.500	1.236	0.500
2	Shilingi	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.396	0.396	0.000	0.160	0.160	0.396	0.160
3	Parabil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.689	0.689	0.000	0.279	0.279	0.689	0.279
4	Gaham	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.463	1.463	0.000	0.592	0.592	1.463	0.592
5	Baruan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.450	0.000	0.182	0.182	0.450	0.182
6	Kateni	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.033	0.000	0.013	0.013	0.033	0.013
7	Bethiabhuin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.187	0.187	0.000	0.076	0.076	0.187	0.076
8	Kulei	0.000	0.030	0.030	0.000	0.012	0.012	0.000	1.255	1.255	0.000	0.508	0.508	1.285	0.520
9	Tipo	0.000	0.305	0.305	0.000	0.123	0.123	0.000	2.655	2.655	0.000	1.075	1.075	2.960	1.198
10	Bhaktipal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.351	0.351	0.000	0.142	0.142	0.351	0.142
	Total (A)	0.000	0.335	0.335	0.000	0.135	0.135	0.000	8.715	8.715	0.000	3.527	3.527	9.050	3.662
Total Reserved Forest & Proposed Reserved Forest Area.									0.000 Ha. or 0.000 Ac.						
Total Village Forest Area.									0.000 Ha. or 0.000 Ac.						
Total DLC Forest Area									0.000 Ha. or 0.000 Ac.						
Total Private Forest Area									0.000 Ha. or 0.000 Ac.						
Total Sabik Forest Area									0.000 Ha. or 0.000 Ac.						
Total Proposed Forest Area									0.000 Ha. or 0.000 Ac.						
Total Non-Forest Area									3.662 Ha. or 9.05 Ac.						


 Authorised Signatory
Anurag Tripathy
 AGM-Slurry Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha


 Record - Keeper
Kaniha Tabasi

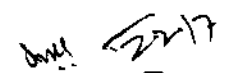

 KANIHA

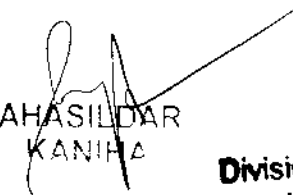

 Divisional Forest Officer
 Angul, Division

The Abstract of the Item / Component wise forest land proposed for diversion for Barbil - Angul Iron Ore Slurry Pipeline Project is indicated below:

Sr. No.	Component	Proposed land use of Barbil - Angul Iron Ore Slurry Pipeline Project									Grand Total of land in Ha
		Non-Forest Private Land	Non-Forest Govt. Land	Total Non-Forest Land	Village Forest in Ha	DLC in Ha	Private Forest in Ha	RF/PRF in Ha	Sabik Kisam in Ha	Total Forest Area in Ha	
1	Iron Ore Slurry Pipeline	0.135	3.527	3.662	0.000	0.000	0.000	0.000	0.000	0.000	3.662
	Total	0.135	3.527	3.662	0.000	0.000	0.000	0.000	0.000	0.000	3.662


 Authorised Signatory
Anurag Tripathy
 AGM-Slurry Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha


 Record - Keeper
Kaniha Tahasil


 TAHASILDAR
 KANIHA


 Divisional Forest Officer
 Angul, Division

**ABSTRACT OF FOREST AREA OF
BARBIL - ANGUL IRON ORE SLURRY PIPELINE PROJECT
DIVERSION PROPOSAL**

Sr. No.	Village Name	Type of Forest										Total Forest Area in Acre	Total Forest Area in Ha
		DLC in Acre	DLC in Ha	Private Forest in Acre	Private Forest in Ha	Village Forest in Acre	Village Forest in Ha	RF/PRF in Acre	RF/PRF in Ha	Sabik Kisam in Acre	Sabik Kisam in Ha		
1	Shipur	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	Shilingi	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	Parabil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	Gaham	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	Baruan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	Kateni	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	Bethiabhuin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Kulei	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	Tipo	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	Bhaktipal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Total Forest Land	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000


Record - Keeper
Kaniha Tahsil

TAHASIL DAR
KANIHA


Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Shiling

Thana : Talcher no. 13

Tahasil : Kaniha

District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	166	1	Naa	2.000	0.005	Abada Aog y Anapad Govt of Odisha
2	168	892	Nayanjori	0.470	0.130	Rakhita Govt of Odisha
3	168	1388	Nayanjori	0.070	0.021	Rakhita Govt of Odisha
4	168	1379	Rasta	0.180	0.048	Rakhita Govt of Odisha
5	168	1657	Nayanjori	0.220	0.060	Rakhita Govt of Odisha
6	168	2907	Nayanjori	0.110	0.096	Rakhita Govt of Odisha
7	168	2947	Nayanjori	0.150	0.036	Rakhita Govt of Odisha
			Total (Acres)	3.200	0.396	
			Total (Ha)	1.295	0.160	



Authorised Signatory
Anurag Talpathy
GM, Jindal Steel & Power Project
Jindal Steel & Power Limited
Angul Odisha

Record - Keeper
Kaniha Tahasil

TAHASILDAR
KANIHA

Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Parabil

Thana : Talcher no. 14

Tahasil : Kaniha

District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	364	1949	Nayanjori	0.200	0.060	Purta Bibhaga Govt of Odisha
2	364	1955	Nayanjori	0.060	0.016	Purta Bibhaga Govt of Odisha
3	364	1974	Nayanjori	0.180	0.051	Purta Bibhaga Govt of Od sha
4	364	5511	Nayanjori	0.400	0.069	Purta Bibhaga Govt of Odisha
5	364	5521	Nayanjori	0.220	0.045	Purta Bibhaga Govt of Odisha
6	364	5570	Nayanjori	0.250	0.075	Purta Bibhaga Govt of Odisha
7	364	5578	Nayanjori	0.350	0.123	Purta Bibhaga Govt of Odisha
8	364	5855	Nayanjori	0.330	0.060	Purta Bibhaga Govt of Odisha
9	364	7265	Nayanjori	0.530	0.150	Purta Bibhaga Govt of Odisha
10	364	7493	Nayanjori	0.050	0.030	Purta Bibhaga Govt of Od sha
11	364	7495	Nayanjori	0.020	0.010	Purta Bibhaga Govt of Odisha
			Total (Acres)	2.590	0.689	
			Total (Ha)	1.048	0.279 ✓	



Authorised Signatory
Anurag Tripathy
AGM, Jindal Steel & Power Limited
Angul Odisha

25-1-17
Record - Keeper
Kaniha Tahasil

TAHASILDAR
KANIHA

Regional Forest Officer
II. Division

LAND SCHEDULE

Village Name : Goham

Thana : Talcher no. 34

Tahasil : Kaniha

District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	464	2986/ 7839	Nadi	12.230	0.012	Abadi Ajogya Anabadi
2	465	1741	Rasta	0.050	0.002	Sarbasadharana Govt of Odisha
3	465	2758	Danda	0.290	0.036	Sarbasadharana Govt of Odisha
4	465	1942	Rasta	0.300	0.300	Sarbasadharana Govt of Odisha
5	467	4151	Nayanjori	0.240	0.046	Pruta Bibhaga Govt of Odisha
6	467	4624	Nayanjori	1.310	0.340	Pruta Bibhaga Govt of Odisha
7	467	82/ 8982	Nayanjori	0.440	0.156	Pruta Bibhaga Govt of Odisha
8	467	2002/ 8994	Nayanjori	0.100	0.030	Pruta Bibhaga Govt of Odisha
9	467	3079/ 9076	Nayanjori	0.240	0.010	Pruta Bibhaga Govt of Odisha
10	467	2960/ 9078	Nayanjori	0.240	0.085	Pruta Bibhaga Govt of Odisha
11	467	1960/ 9080	Nayanjori	0.200	0.090	Pruta Bibhaga Govt of Odisha
12	467	3730	Nayanjori	0.320	0.160	Pruta Bibhaga Govt of Odisha
13	467	1378	Nayanjori	0.060	0.026	Pruta Bibhaga Govt of Odisha
14	467	1747	Nayanjori	0.040	0.020	Pruta Bibhaga Govt of Odisha
15	467	1937	Nayanjori	0.240	0.096	Pruta Bibhaga Govt of Odisha
16	467	1957	Nayanjori	0.170	0.054	Pruta Bibhaga Govt of Odisha
			Total (Acres)	16.470	1.463	
			Total (Ha)	6.665	0.592 ✓	


 Authorised Signatory
Anurag Tripathy
 AGM Supply Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha


TAHASILDAR
KANIHA


 Record - Keeper
 Kaniha Tahasil


Divisional Forest Officer
 Angul, Division

LAND SCHEDULE

Village Name : Baruan

Thana : Talcher no. 35

Tahasil : Kaniha

District : Angul

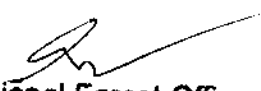
Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	140	900	Nayanjori	0.980	0.210	Jatiya Rajapatha No 23
2	140	4/1916	Rasta	2.200	0.240	Jatiya Rajapatha No 23.
			Total (Acres)	3.180	0.450	
			Total (Ha)	1.287	0.182	



Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

May 25-17
Record - Keeper
Kaniha Tahasil


TAHASILDAR
KANIHA


Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Kateni
 Thana : Talcher no. 36
 Tahasil : Kaniha
 District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	19	9	Nayanjori	0.070	0.024	Jatiya Rajapatha No 23
2	19	17	Nayanjori	0.090	0.009	Jatiya Rajapatha No 23
			Total (Acres)	0.160	0.033	
			Total (Ha)	0.065	0.013 ✓	



Authorized Signatory
Anurag Tripathy
 AGM Slurry Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha



Revenue Officer
Tahasil Office Kaniha


TAHASIL DAR
KANIHA


Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Bethiabhuin

Thana : Talcher no. 38

Tahasil : Kaniha

District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	78	6	Nayanjori	0.640	0.130	Pruta Bibhaga Govt of Odisha
2	78	401	Nayanjori	0.250	0.057	Pruta Bibhaga Govt of Odisha
			Total (Acres)	0.890	0.187	
			Total (Ha)	0.360	0.076	



Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

25.1.17
Record - Keeper
Kaniha Tahasil



TAHASILDAR
KANIHA



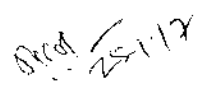
Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Kulei
Thana : Talcher no. 40
Tahasil : Kaniha
District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	227	889	Nayanjori	0.780	0.219	Jatiya Rajpatha No.23
2	227	2641	Nayanjori	0.250	0.060	Jatiya Rajpatha No.23
3	227	2767	Nala	0.210	0.038	Jatiya Rajpatha No.23
4	227	2768	Rasta	0.610	0.002	Jatiya Rajpatha No.23
5	227	2772	Nayanjori	0.370	0.001	Jatiya Rajpatha No.23
6	200	2785	Patita	0.060	0.030	Sri Kundeswara Mahadeba Nijga Maraphata : Subhagiya Ch Deo S/o Hurdya Ch Deo.
7	227/1	2788	Sarada-III	0.020	0.010	Jalasechan Bibnaga Govt of Odisha
8	223	2789	Patita	1.780	0.125	Abada Jogya Anabadi Govt of Odisha
9	227/1	2808	Sarada-III	1.500	0.050	Jalasechan Bibnaga Govt of Odisha
10	224	2815	Nadi	108.000	0.750	Abada Ajogya Anabadi Govt of Odisha
			Total (Acres)	113.580	1.285	
			Total (Ha)	45.965	0.520	


Authorized Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha


Record - Keeper
Kaniha Tahasil


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KANIHA

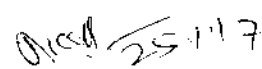

Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Tipo
Thana : Kaniha no. 50
Tahasil : Kaniha
District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	105	1	Nadi	87.500	0.570	Abada Ajogiya Anabadi Govt of Odisha
2	86	601	Bagayat-II	0.440	0.010	Samasta Gramabasi Ka Pakhi Madana Mohan Pradhan S/o Ku.amari Pradhan & others
3	110	592	Nayanajori	0.080	0.010	Jatiya Rajapatha No.23
4	110	591	Sadak	0.140	0.010	Jatiya Rajapatha No.23
5	110	590	Nayanajori	0.110	0.020	Jatiya Rajapatha No.23
6	108	3	Biali Dofosili	0.450	0.040	Jalasechan Bibhaga Odisha
7	108	4	Biali Dofosili	0.660	0.100	Jalasechan Bibhaga Odisha
8	108	5	Taila-I	0.280	0.100	Jalasechan Bibhaga Odisha
9	108	1657	Taila-II	1.200	0.050	Jalasechan Bibhaga Odisha
10	108	35	Sarada-III	0.070	0.010	Jalasechan Bibhaga Odisha
11	109	588	Rasta	0.370	0.040	Purti Bibhaga Govt of Odisha
12	104	440	Biali Dofosili	0.050	0.030	Adada Jogiya Anabadi Govt of Odisha
13	104	439	Biali Dofosili	0.060	0.030	Abada Jogiya Anabadi Govt Of Odisha
14	108	438	Biali Dofosili	0.050	0.030	Jalasechan Bibhaga Odisha
15	108	437	Biali Dofosili	0.060	0.020	Jalasechan Bibhaga Odisha
16	108	436	Biali Dofosili	0.050	0.020	Jalasechan Bibhaga Odisha
17	108	433	Biali Dofosili	0.070	0.030	Jalasechan Bibhaga Odisha
18	15	431	Biali Dofosili	0.030	0.020	Katu Sethi S/o Gouranga Sethi & others
19	108	360	Biali Dofosili	0.210	0.070	Jalasechan Bibhaga Odisha
20	49	368	Biali Dofosili	0.090	0.060	Narasinha Sahu S/o Duari Sahu & others
21	108	366	Biali Dofosili	0.030	0.020	Jalasechan Bibhaga Odisha
22	108	365	Biali Dofosili	0.060	0.020	Jalasechan Bibhaga Odisha
23	108	364	Biali Dofosili	0.040	0.020	Jalasechan Bibhaga Odisha
24	17	361	Biali Dofosili	0.060	0.010	Kutartha Dehuri S/o Dhubei Dehuri & others
25	17	363	Biali Dofosili	0.050	0.010	Kutartha Dehuri S/o Dhubei Dehuri & others
26	17	362	Biali Dofosili	0.070	0.050	Kutartha Dehuri S/o Dhubei Dehuri & others
27	92	357	Biali Dofosili	0.020	0.010	Ramachandra Sahu S/o Danghi Sahu & others
28	108	350	Biali Dofosili	0.080	0.060	Jalasechan Bibhaga Odisha


Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

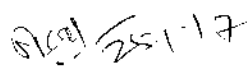

Record - Keeper
Kaniha Tahasil


TAHASILDAR
KANIHA

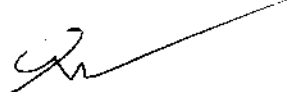

Divisional Forest Officer
Angul, Division

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
29	108	351	Biali Dofosili	0.030	0.040	Jalasechan Bibhaga Odisha
30	108	352	Sarada-II	0.030	0.010	Jalasechan Bibhaga Odisha
31	108	355	Sarada-II	0.050	0.010	Jalasechan Bibhaga Odisha
32	108	347	Sarada-II	0.240	0.030	Jalasechan Bibhaga Odisha
33	108	346	Sarada-II	0.370	0.060	Jalasechan Bibhaga Odisha
34	108	315	Sarada-III	0.170	0.060	Jalasechan Bibhaga Odisha
35	108	316	Sarada-III	0.160	0.030	Jalasechan Bibhaga Odisha
36	106	251	Adi	0.220	0.030	Sarabasadhan Govt of Odisha
37	106	252	Jalashaya-II	0.005	0.110	Sarabasadhan Govt of Odisha
38	106	253	Adi	0.220	0.040	Sarabasadhan Govt of Odisha
39	108	256	Sarada-II	0.180	0.100	Jalasechan Bibhaga Odisha
40	108	217	Sarada-III	0.070	0.040	Jalasechan Bibhaga Odisha
41	108	215	Sarada-III	0.150	0.010	Jalasechan Bibhaga Odisha
42	49	218	Sarada-III	0.060	0.060	Narasinha Sahu S/o Duari Sahu & others
43	108	213	Sarada-III	0.100	0.030	Jalasechan Bibhaga Odisha
44	108	212	Sarada-III	0.050	0.030	Jalasechan Bibhaga Odisha
45	49	211	Palita	0.150	0.075	Narasinha Sahu S/o Duari Sahu & others
46	106	204	Rasta	0.930	0.380	Sarabasadhan Govt of Odisha
47	109	242	Rasta	1.540	0.001	Purta Bibhaga Govt of Odisha
48	109	190	Rasta	2.030	0.216	Purta Bibhaga Govt of Odisha
49	109	188	Rasta	1.070	0.128	Purta Bibhaga Govt of Odisha
			Total (Acres)	100.205	2.960	
			Total (Ha)	40.552	1.198 ✓	


 Authorised Signatory
Anurag Tripathy
 AGM-Slurry Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha


Record - Keeper
Kaniha Tahasil


TAHASILDAR
KANIHA


Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Bhaktipal

Thana : Talcher no. 51

Tahasil : Kaniha

District : Angul

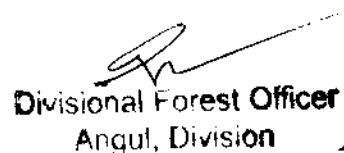
Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	11	90	Rasta	2.450	0.255	Rakhita Govt. of Odisha
2	11	90/124	Rasta	0.620	0.084	Rakhita Govt. of Odisha
3	11/1	90/122	Rasta	0.110	0.012	Ja asechan Bibhaga Samal
			Total (Acres)	3.180	0.351	
			Total (Ha)	1.287	0.142	



Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

Olud 25-1-17
Record - Keeper
Kaniha Tahasil


TAHASILDAR
KANIHA


Divisional Forest Officer
Angul, Division

LAND SCHEDULE

Village Name : Shipur

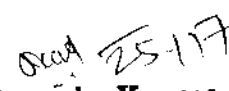
Thana : Talcher no. 4

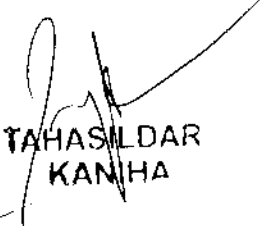
Tahasil : Kaniha

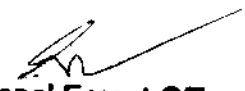
District : Angul

Sr No	Khata	Plot	Kisam	Total Area (Acres)	Proposed Area (Acres)	Tenant Name
1	577	1	Nayanjori	0.750	0.152	Rakhita Govt of Odisha
2	577	858/ 5999	Nayanjori	0.130	0.033	Rakhita Govt of Odisha
3	577	1334	Nayanjori	1.200	0.342	Rakhita Govt of Odisha
4	577	2063	Nayanjori	0.900	0.201	Rakhita Govt of Odisha
5	577	4386	Nayanjori	0.600	0.127	Rakhita Govt of Odisha
6	577	3313	Nayanjori	0.270	0.048	Rakhita Govt of Odisha
7	577	3126	Nayanjori	0.170	0.016	Rakhita Govt of Odisha
8	577	2915	Nayanjori	0.600	0.157	Rakhita Govt of Odisha
9	577	2907	Nayanjori	0.050	0.016	Rakhita Govt of Odisha
10	577	4136	Nayanjori	0.700	0.144	Rakhita Govt of Odisha
			Total (Acres)	5.370	1.236	
			Total (Ha)	2.173	0.500	


Authorised Signatory
Anurag Tripathy
AGM-Steel Export Project
Jindal Steel & Power Limited
Angul Odisha


Record - Keeper
Kaniha Tahasil


TAHASILDAR
KANIHA


Divisional Forest Officer
Angul, Division

CHECK LIST SERIAL NUMBER: - 9

Certificate that no alternative suitable non-forest land is available for the project

Three routes have been identified to lay the pipeline. After studying various alternative routes along the proposed corridor, the final route has been identified.

The Forest (Conservation) Act, 1980 and Forest (Conservation) Rules, 2003 have been taken in to consideration during route finalization. And due care has been taken to avoid involvement of any type of forest. Accordingly, three different alternate routes were studied to ensure minimum forest cover along the route of pipeline.

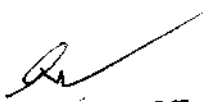
Also, care is taken to avoid existing / proposed National Parks / Wildlife sanctuaries along the pipeline route of the project.

Sr. No.	Alt. 1			Alt. 2			Alt. 3		
	Total line length	Total RF/PF length	Area of RF/PF	Total line length	Total RF/PF length	Area of RF/PF	Total line length	Total RF/PF length	Area of RF/PF
	Kms.	Kms.	Ha.	Kms.	Kms.	Ha.	Kms.	Kms.	Ha.
1	198.560	11.608	1.393	161.918	58.974	7.077	185.941	26.144	3.137

Considering various options mentioned above, Alternate-I is recommended which involves least forest area and has been considered as final route.

The forest land required for the pipeline does not include any National Park, Wildlife Sanctuary or Biosphere Reserve. No archaeological monuments exist in & around the proposed pipeline corridor.


Name: Anurag Tripathi
Designation: Assistant General Manager
Jindal Steel & Power Limited,
Angul **Authorized Signatory**
Anurag Tripathy
Asst. Geny Pipeline Project
Jindal Steel & Power Limited
Angul Odisha


Divisional Forest Officer
Angul, Division

Jindal Steel & Power Ltd.

Chhendipada Road, SH-63, At/Po-Jindal Nagar, Dist-Angul, Odisha- 759111.

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O.P. Jindal Marg, Hisar, 125005, Haryana

FOREST LENGTH OF ALTERNATIVE ROUTES						
CHECK LIST SERIAL NUMBER: - 9						
Proposed Slurry Pipeline From Deojhar to Angul From Km. 0/000 to 198/560 Km. (Alternate Route-I)						
Sl No.	Passing Along	Length in Km.	No of Village	RF/PF Crossing		Total (RF/PF) Length in Km
				No	Name/Length in Km.	
1	Alternative-I (Along the Road Corridor)	198.560	92	7	Thakurani RF (0.825), Baitarani RF (1.442), Naibaga RF (0.608), Taramankata RF (0.267), Paudi RF (7.267), Kakharua PF (0.650), Bankadhar PF (0.550)	11.608
Proposed Slurry Pipeline From Deojhar to Angul From Km. 0/000 to 161/918 Km. (Alternate Route-II)						
Sl No.	Passing Along	Length in Km.	No of Village	RF/PF CROSSING		Total (RF/PF) Length in Km
				No	Name/Length in Km.	
2	Alternate-II (Along the cross country)	161.918	79	11	Thakurani RF (8.814), Baitarani RF(14.937), Paun RF (13.018), Mankarhachua RF (5.158), Korahapal RF (1.669), Dala RF(1.719), DurgapurDanda RF (1.450), Barakathia RF (3.428), Jaipur RF (0.536), Durgapur RF (6.135), Kerjang RF (2.110)	58.974
Proposed Slurry Pipeline From Deojhar to Angul From Km. 0/000 to 185/941 Km.(Alternate Route-III)						
Sl No.	Passing Along	Length in Km.	No of Village	RF/PF CROSSING		Total (RF/PF) Length in Km
				No	Name/Length in Km.	
3	Alternative-III (Along the cross country)	185.941	100	11	Baitarani R.F(6.177), Atanaka P.F(0.909), Kakharua P.F (1.442), Sairha R.F(0.212), Malaygiri R.F(9.370), Charigachhua R.F(1.198), Bulajhara R.F(1.382), Kahnejena R.F(3.747), Nisha R.F(0.241), Kalikata R.F(0.320), Kerjanga R.F(1.146)	26.144


 Authorised Signatory
Anurag Tripathy
 AGM-Slurry Pipeline Project
 Jindal Steel & Power Limited
 Angul Odisha


 Divisional Forest Officer
 Angul, Division

Jindal Steel & Power Ltd.

Registered Office: Chhendipada Road, SH-63, At/Po-Jindal Nagar, Dist-Angul, Odisha-759111.

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Registered Office: O.P. Jindal Marg, Hisar, 125005, Haryana

CHECK LIST SERIAL NUMBER: - 10
Justification for locating the Project in Forest Area ✓

M/s Jindal Steel & Power Ltd. has surveyed three alternative routes for laying of Iron Ore Slurry Pipeline from Barbil to Angul based on the following main criteria:

1. Route selected should be the shortest possible one.
2. Avoid environmentally sensitive areas such as Reserved Forests, Protected Forests, Wildlife areas, Marine parks, Bird sanctuaries, etc. to the maximum possible extent.
3. Should be accessible from Road during construction and the subsequent operation / maintenance stages.
4. Select easy and favourable terrain conditions - avoiding water logged and swampy areas, ravines, meandering rivers, low lying marshy areas, unstable ground, depressions, hard rock, boulders, rock outcrops areas etc. to the maximum possible extent.

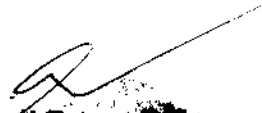
After considering the above criteria three alternative routes were identified wherein

1. Alternate-II has the minimum length of 161.918 Km and Alternate-I has maximum length of 198.560 Km.
2. Alternate-I has the minimum Forest Length of 11.608 Km in comparison to Alternate-II - 58.974 Km & Alternate-III - 26.144.

Considering the above Alternate-I was recommended with least forest area.

Hence, it is justified to lay Iron Ore Slurry Pipeline along Alternate-I with least Forest Area.


Name: Anurag Tripathi
Designation: Assistant General Manager
Jindal Steel & Power Limited
Angul
Authorised Signatory
Anurag Tripathi
Jindal Steel & Power Limited
Angul Odisha


Divisional Forest Officer
Angul, Division

Jindal Steel & Power Ltd.

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O.P. Jindal Marg, Hisar, 125005, Haryana

CHECK LIST SERIAL NUMBER: - 17

**UNDERTAKING FOR PAYMENT OF COST OF
COMPENSTATORY AFFORESTATION**

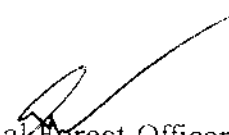
M/s Jindal Steel & Power Ltd., hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for Barbil – Angul Iron Ore Slurry Pipeline Project as per prevailing wage at the time of plantation.

Date
Place


(Signature of User Agency)
Authorised Signatory
Anureg Tripathy
AISM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

Countersigned by:-


Divisional Forest Officer
Angul, Division


Divisional Forest Officer
Office seal
Divisional Forest Officer
Angul, Division

Jindal Steel & Power Ltd.

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O.P. Jindal Marg, Hisar, 125005, Haryana

CHECK LIST SERIAL NUMBER: - 18

**UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE
FOREST AREA**

It is to certify that M/s Jindal Steel & Power Ltd., have applied for diversion of 2.075 ha of forest area for the purpose of laying of Iron Ore Slurry Pipeline from Barbil to Angul. I/We, hereby undertake to pay the net present value (NPV) of the above forest land.

Date
Place

(Signature of User Agency)
Authorized Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

Countersigned by:-


Divisional Forest Officer
Angul Division
Office Seal