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Government of Odisha
Forest and Environment Department

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No. 10F (Con) 5/2019(pt)
From

1833

F&E dated

25-1-19

Sri Debidutta Biswal, IFS
Special Secretary to Govt.

To

The PCCF, Odisha

Sub- Permission for laying of 32" dia slurry pipeline system by M/s JSW Utkal Steel Limited from their proposed Grinding, Beneficiation and Slurry Pumping Station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to their proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, Odisha for transportation of 30MTPA Iron ore concentrate along and across the NHAI, IDCO, PWD and Water Resources Department roads within the additional Right of Way(RoW) of such roads, as re-assessed, involving 9.170Km of pipeline alignment passing through 0.9170ha. of forest land out of total additional RoW alignment of 48.246Km spread over three revenue districts of Odisha such as Keonjhar, Jajpur, and Jagatsinghpur {coming within the jurisdiction of three Forest Divisions such as Keonjhar, Keonjhar(WL) and Cuttack } (in addition to the RoW of roads belonging to NHAI, IDCO, PWD involving 39.854Km of pipeline alignment passing through forest area of 3.9856ha. out of total pipeline alignment of 245.587Km earlier approved for the project) within total RoW alignment of 293.833Km spread over five revenue districts of Odisha such as Keonjhar, Jajpur, Cuttack, Kendrapara and Jagatsinghpur (involving total length of 49.024Km of pipeline alignment passing through forest area involving 4.9026ha)

Sir,

I am directed to invite reference to your letter No. 630 dt. 10.1.2019 in which Application dt. 10.9.2018 of M/s JSW Utkal Steel Limited seeking permission for laying of 32" dia slurry pipeline system by them from their proposed Grinding, Beneficiation and Slurry Pumping Station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to their proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, Odisha for transportation of 30MTPA Iron ore concentrate along and across the NHAI, IDCO, PWD and Water Resources Department roads using additional Right of Way(RoW) of such roads involving 9.170Km of pipeline alignment passing through 0.9170ha. of forest land out of total additional RoW alignment of 48.246Km spread over three revenue districts of Odisha such as Keonjhar, Jajpur and Jagatsinghpur {coming within the jurisdiction of three Forest Divisions such as Keonjhar, Keonjhar(WL) and Cuttack}, has been processed as per guidelines prescribed by the Government of India, MoEF&CC vide their letter F.No. 11-9/98-FC dt. 16.10.2000 , No. 11-568/2014-FC dt. 2.2.2015 and F.No. 11-09/1998-FC dt. 12.12.2017 in the matter of development of

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infrastructures including laying of slurry pipelines through forest land of RoW of different kind of roads existing outside the Protected Areas for transporting mined minerals.

It is noted that M/s JSW Utkal Steel Limited is in the process of setting up the following projects in Odisha for which required in-principle approval of the High Level Clearance Authority(HLCA) of the State Government has been obtained by them.

- (a) Integrated Steel Plant(ISP) of 12MTPA & Captive Power Plant(CPP) of 900MW at Gadkujanga, Nuagaon, Dhinkia mouzas of Jagatsinghpur district.
- (b) Grinding & Beneficiation Plants in Sundargarh and Keonjhar district
- (c) Iron ore slurry pipeline system from Joda to Paradip

As part of the project activities indicated at (c) above, the Applicant Company had earlier vide their application 15.6.2018 had sought permission for laying of Iron ore slurry Pipelines of maximum dia 800mm(32") over a length of 39.854Km through forest areas along/across the NHAI/R&B/IDCO roads within their respective RoW passing through different Forest Ranges of Keonjhar Forest Division , Keonjhar(WL) Division, Cuttack Forest Division and Rajnagar Mangrove(WL) Division under revenue jurisdiction of Keonjhar, Jajpur, Cuttack, Kendrapara and Jagatsinghpur districts of Odisha within total pipeline alignment of 245.587Km under this project. The depth and width of trench where the Iron ore slurry pipeline was to be laid in forest area was stated to be 2.00mt. and 1.00mt. respectively whereas such dimension(depth/width) of trenches in non-forest stretches of the alignment is 2.00mt and 1.5mt respectively. Technical feasibility report for laying of 32" dia slurry pipeline within a trench of 1mt width prepared by AUSENCO, USA for this project was also provided by the applicant company. This application was earlier considered and required permission was accorded by the State Government in F&E Department as per guidelines prescribed by the Government of India, MoEF&CC vide their letter F.No. 11-9/98-FC dt. 16.10.2000 , No. 11-568/2014-FC dt. 2.2.2015 and F.No. 11-09/1998-FC dt. 12.12.2017 and communicated to you vide letter No. 22027/F&E dt. 11.10.2018 subject to fulfillment of conditions prescribed therein. While applying for laying of iron ore slurry pipeline within the RoW of roads, as indicated above, it was then indicated that apart from the length of slurry pipeline alignment of 245.587km coming within the RoW of different roads, the proposed slurry pipeline was also to be laid beneath the ground over a length of 53.950km that does not come within the RoW of the existing roads thereby mentioning the total length of the proposed iron ore slurry pipeline alignment to be 299.537Km taking the length of alignment coming within RoW and outside Row together.

Accordingly it was earlier reported that the project proponent would apply online separately for diversion of forest land involved for laying of this pipeline outside the RoW of the roads for seeking approval of MoEF&CC under Forest Conservation Act, 1980.

It is observed in the instant proposal furnished by the PCCF, Odisha that the applicant company, with a view to avoid the difficulties involved in the process of land acquisition in non-RoW stretches of the alignment, approached the NHAI and other road owning authorities such as IDCO, PWD and Water Resources Department to reassess the feasibility of laying the proposed slurry pipeline alignment under this project within the RoW of the respective roads, which were earlier reported to be coming beyond the RoW of roads under their jurisdiction. After detailed re-assessment of the RoWs, the applicant Company has obtained NoC/permission from the following road owning authorities for laying of iron ore slurry pipeline under the instant project within the additional RoWs of the respective roads, as assessed.

- (i) From Military chhak(Danagadi), JK Road to New Bus stand, JK road under PWD
- (ii) From Pankapal to Military Chhack(Danagadi), JK road along Biju Patnaik Marg under IDCO
- (iii) Along the 100' wide road of IDCO in Jagatsinghpur district at Kathara village in NH-5(A) to Paradeep Plastic Park at Paradeep
- (iv) From ch. Km 13.000km(JK road Bus stand) to Km 166.250(Remuli) within the proposed RoW of Panikoili –Rimuli Section of NH-215(New NH-20) under NHAI in the districts of Jajpur and Keonjhar

Besides the above roads, the applications of Applicant Company for laying of iron ore slurry pipeline within the existing RoWs of roads through non-forest land coming under PWD and Water Resources Department roads in Jagatsinghpur district are under consideration.

Keeping in view of the additional RoWs through which the iron ore slurry pipeline of the Applicant Company is to be laid(for which applicant Company has either obtained permission or in the process of obtaining the same from the respective road owning authorities), it has now been reported that the total length of pipeline alignment within the additional RoWs of roads belonging to NHAI, IDCO, PWD and Water Resources Department roads would come to 48.246Km involving 9.170Km of pipeline alignment passing through 0.9170ha. of forest land spread over three revenue districts of Odisha such as Keonjhar, Jajpur and Jagatsinghpur

{coming within the jurisdiction of three Forest Divisions such as Keonjhar, Keonjhar(WL) and Cuttack }. Thus the total length of pipeline alignment within the reassessed RoW in this project comes to 293.833Km which includes 49.024Km of pipeline alignment passing through forest area involving 4.9026ha. Out of 49.024Km of pipeline alignment in forest area, the applicant company has already obtained permission of State Government in F&E Department pertaining to 39.854Km of the alignment passing through 3.9856ha. of forest area and the instant proposal involving additional RoWs is for 48.246Km of the pipeline alignment including 9.170Km through 0.917ha. of forest areas which has been filed/processed in off-line mode. The detailed Forest Division wise requirement of forest and non-forest land and length of pipeline involved within the additional RoW is given as under.

Sl. No	Name of the Forest Division	Total length of alignment passing through various Forest Areas within RoW of Road (in KM) (1 M Width)	Total length of alignment passing through non-forest area in RoW of Road in KM (1.5M width)	Total of length of alignment in additional RoW(in KM)
1	Keonjhar Forest Division	3.818	19.411	23.229
2	Keonjhar (WL) Forest Division	0.605	7.629	8.234
3	Cuttack Forest Division	4.747	3.376	8.123
4	Mangrove (WL) Forest Division, Rajnagar	-	8.660	8.660
	Total	9.170	39.076	48.246

After re-assessing the revised RoW of the alignment, it has been reported that in addition to the RoW alignment of 293.833Km required for the project, pipeline alignment of 4.97 Km length comes beyond RoW so as to complete the laying of 32" dia slurry pipeline system by M/s JSW Utkal Steel Limited for transportation of 30MTPA Iron ore concentrate from their Grinding, Beneficiation and Slurry Pumping Station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to their proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, Odisha. It is noted that the user agency has already applied for diversion of forest land involved in this non-RoW stretches of pipeline alignment seeking approval under FC Act, 1980 vide proposal bearing No. FP/OR/Pipeline/36901/2018, which is under process.

It is observed that the proposed slurry pipeline under the instant project has been planned to be laid far away from bridges, culverts and structures within the additional RoW of existing roads, as ascertained after re-assessment. As reported earlier, the GPS co-ordinates of the starting point of the proposed Iron ore slurry pipeline at Gobardhanpur in Keonjhar district is delineated at Lat 22° 4' 14.96"N and Long 85° 28' 1.49"E. Similarly the end of the pipeline alignment at Paradip is delineated at Lat 20° 13' 44.93"N and Long 86° 33' 40.20"E.

The forest division wise abstract of additional RoW land particulars with 1 mtr width in forest area and 1.5 mtr width in non-forest area is furnished below:

Forest Division	Length of Alignment in forest land (in KM) (Width 1.0m) in additional RoW	Forest land involved in ha						Length of Alignment in non-forest land (in KM) Width 1.5m) in additional RoW	Non-forest land (in ha)	Total length of RoW alignment (in Km)	Grand Total (in ha)
		RF (in ha)	PF (in ha)	VF (in ha.)	Revenue forest (in ha)	Non-forest recorded as forest as on 25.10.1980 (in ha)	Total Area (in ha)				
1	2	3	4	5	6	7	8	9	10	11	12
Keonjhar	3.818	0.0857	-	0.0258	0.2382	0.0321	0.3818	19.411	2.9117	23.229	3.2935
Keonjhar (WL)	0.605	0.0587	-	-	0.0018	-	0.0605	7.629	1.1444	8.234	1.2049
Cuttack	4.747	-	0.0538	-	0.3984	0.0225	0.4747	3.376	0.5064	8.123	0.9811
Mangrove Forest (WL) Rajnagar	-	-	-	-	-	-	-	8.660	1.2990	8.660	1.2990
Total	9.170	0.1444	0.0538	0.0258	0.6384	0.0546	0.9170	39.076	5.8615	48.246	6.7785

As reported by the PCCF, Odisha, details of iron ore slurry pipeline route passing through different categories of forest/non-forest land within the additional extent of RoW of various roads of R&B/NHAI/IDCO/Water Resources Department is given below.

Name of the Forest Division	Particulars of the alignment	Particulars of additional RoW of existing Roads	Total length of alignment in forest area (in KM)	Total Forest area (in ha)	Length of alignment in Non-forest area (in KM)	Total Non-forest area (in ha)	Total length of alignment under additional RoW (in KM)	Total area (in ha) of alignment under additional RoW
Keonjhar	Grinding & Beneficiation at Gobardhanpur (Joda) to Remuli	NH-520	0	0	0	0	0	0
	Remuli to New Bus Stand,	NH-20 (Part)	3.818	0.3818	19.411	2.9117	23.229	3.2935

	Jajpur Road							
Keonjhar (WL)	Remuli to New Bus stand, Jajpur Road	NH-20 (Part)	0.605	0.0605	7.629	1.1444	8.234	1.2049
Cuttack	Remuli to New Bus stand, Jajpur Road	NH-20 (Part)	0.595	0.0595	3.376	0.5064	3.971	0.5659
	New Bus stand, Jajpur Road to Danagadi (Military Chowk)	PWD	0.670	0.0670	0	0	0.670	0.0670
	Danagadi (Military Chowk) to Pankpal	IDCO	3.482	0.3482	0	0	3.482	0.3482
	Pankpal to Chandikhol	NH-53 (Part)	0	0	0	0	0	0
	Chandikhole to Ramchandrapur Village	NH-53 (Part)	0	0	0	0	0	0
Mangrove (WL) Rajnagar	Ramchandrapur Village to Kathada village near Paradip	NH-53 (Part)	0	0	0	0	0	0
	Kathada to Siju	IDCO	0	0	3.450	0.5175	3.450	0.5175
	Kujanga to Trilochanpur	PWD	0	0	1.500	0.2250	1.500	0.2250
	Saline road	Water Resources Deptt.	0	0	3.710	0.5565	3.710	0.5565
Total			9.170	0.9170	39.076	5.8615	48.246	6.7785

As indicated by the applicant Company, total length of iron ore slurry pipeline alignment is 298.803km which includes 293.833ha. coming within the RoW of different roads(245.587km already approved by State Government earlier, 48.246Km of additional RoW under consideration in the instant proposal) and 4.970Km existing outside the RoW for which forest diversion proposal already filed by user agency. Out of 48.246km of pipeline alignment coming within the additional RoW of existing roads, 9.170Km of pipeline passes through forest area and remaining 39.076km of pipeline alignment passing through non-forest area. Out of 9.170km of pipeline alignment passing through forest area, 1.444Km passes through 1.444ha. of RF land in Keonjhar & Keonjhar(WL) Division, 0.538Km over 0.0538ha. of PF land in Cuttack Forest Division, 0.258Km over 0.0258ha of VF in Keonjhar Forest Division, 6.384Km over 0.6384ha.

of Revenue forest land in Keonjhar, Keonjhar(WL) and Cuttack Forest Division and 0.546Km over 0.0546ha over sabik kism forest as on 25.10.1980 in Keonjhar and Cuttack Forest Division. No forest land is coming within Rajnagar Mangrove division within this additional RoW. It is also observed that no tree felling is involved for laying of the iron ore slurry pipeline within the additional extent of RoW of different road authorities and the project area, is not within any Protected Area.

The project proponent has furnished an undertaking that the stretches of road where tree felling has not yet taken place despite having Stage-I/II forest clearance, the proposed iron ore slurry pipeline will be laid in such forest area of RoW only after tree felling takes place in such stretches of road within the additional RoW. The PCCF, Odisha has recommended the proposal for laying of 32" dia iron ore slurry pipeline by M/s JSW Utkal Steel Ltd along/across the NHAI/ R&B/IDCO/Water Resources Department roads within the additional RoW, as assessed, passing through various forest areas spread over three forest divisions such as Keonjhar, Keonjhar(WL) Division and Cuttack forest division.

The Government of India, MoEF&CC vide their guidelines F.No. 11-9/98-FC dt. 16.10.2000 , No. 11-568/2014-FC dt. 2.2.2015 and F.No. 11-09/1998-FC dt. 12.12.2017 have accorded general approval under Section 2 of FC Act, 1980 in the matter of development of infrastructures including laying of underground slurry pipelines through forest land of different kind of roads for transporting mined minerals along the roads within their existing Right of Way not falling in National Park and Wildlife sanctuaries without felling of trees where the maximum size of the trench is not more than 2mt. of depth and 1mt. wide subject to fulfillment of conditions prescribed therein under approval of the State Forest Department under the local Act/Rules.

In view of the essentiality involved for use of forest land for laying of iron ore slurry Pipelines along the NHAI/ R&B/IDCO /Water Resources Department roads within the existing additional Right of Way(RoW), passing through forest area of Keonjhar Forest Division, Keonjhar(WL) Division and Cuttack Forest Division and general approval of Government of India, MoEF&CC vide their letter F. No. 11-9/98-FC dt. 16.10.2000 , F.No. 11-568/2014-FC dt. 2.2.2015 and F.No. 11-09/1998-FC dt. 12.12.2017, the State Government have been pleased to grant permission in favour of the M/s JSW Utkal Steel Ltd for laying of 32" dia slurry pipeline system by M/s JSW Utkal Steel Limited from their proposed Grinding, Beneficiation and Slurry

Pumping Station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to their proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, Odisha for transportation of 30MTPA Iron ore concentrate along and across the NHAI, IDCO, PWD and Water Resources Department roads within the additional Right of Way(RoW) of such roads, as re-assessed, involving 9.170Km of pipeline alignment passing through 0.9170ha. of forest land out of total additional RoW alignment of 48.246Km spread over three revenue districts of Odisha such as Keonjhar, Jajpur and Jagatsinghpur {coming within the jurisdiction of three Forest Divisions such as Keonjhar, Keonjhar(WL) and Cuttack } (in addition to the RoW of roads belonging to NHAI, IDCO, PWD involving 39.854Km of pipeline alignment passing through forest area of 3.9856ha. out of total pipeline alignment of 245.587Km earlier approved for the project) within total RoW alignment of 293.833Km spread over five revenue districts of Odisha such as Keonjhar, Jajpur, Cuttack, Kendrapara and Jagatsinghpur (involving total length of 49.024Km of pipeline alignment passing through forest area involving 4.9026ha) as per provision of Sub-Section 6(a) of Section 27 of Orissa Forest Act, 1972 subject to fulfillment of the following conditions.

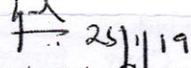
1. The user agency will make good the land after use/maintenance.
2. The user agency shall make good any loss to forest/environment.
3. Not a single tree will be felled for laying of proposed underground iron ore slurry pipeline in forest/not-forest land.
4. The user agency shall seek permission from the local Forest/Revenue Department authority for carrying out any maintenance pertaining to forest land coming within their jurisdiction.
5. The user agency shall obtain prior permission from respective NHAI/ R&B/IDCO/WR Department road authorities before commencement of laying of underground iron ore slurry pipeline within the additional RoW of respective roads including in forest area.
6. The user agency shall lay underground iron ore slurry pipeline within the additional RoW of roads having Stage-I/II forest clearances only after tree felling takes place in such road projects.
7. In case, portion of stretch of road presently indicated to be having non-forest land where the iron ore slurry pipeline is to be laid under the project, is found to be forest/sabik-kisam forest as on 25.10.1980, laying of pipeline within such stretch of road shall be subject to prior permission of Forest Department.
8. Since 7.188Km of additional RoW/stretch of road along which iron ore slurry pipeline is also to be laid, is revenue forest land/VF/sabik kisam forest land(0.7188ha.), laying of iron ore slurry pipeline in such stretches shall also be subject to approval of competent authority under appropriate Revenue law.
9. In case stretches of the project pipeline alignment is required to be laid along a road having forest land and is currently under consideration for diversion as per Forest

- Conservation Act, 1980, laying of iron ore slurry pipeline would be subject to having forest diversion followed by tree felling on such stretches, by the Primary user agency.
10. Digging of trenches will be confined to the additional RoW of the respective roads only.
 11. Functioning of iron ore slurry pipeline shall also be subject to having CTO of SPCB, Odisha for the project.
 12. Permission of CE, PDI & Roads, Bhubaneswar for laying of slurry pipeline within the RoW of PWD roads from Kujang (Pratappur) to Trilochanpur Road shall be obtained.
 13. Permission of Chief Engineer, WR Department, Bhubaneswar for laying of slurry pipeline within the RoW of WRD roads from Trilochanpur to village Firikichitakanda shall be obtained.

The DFOs of Keonjhar Division, Keonjhar(WL) Division and Cuttack Forest Division may be asked to supervise the laying of iron ore slurry pipeline work during execution of the project within the additional RoW of different roads under this proposal and any deviation to the stipulations mentioned above by the User Agency shall be reported by them to the Pr. CCF, Odisha/State Government/Eastern Regional Office, MoEF&CC along with action taken report.

The Nodal Officer, FC Act shall submit quarterly progress report on the extent of such approvals accorded by the State Government for infrastructure projects under the general approval order of MoEF&CC, GoI to the Ministry as well as to the Eastern Regional Office.

Yours faithfully,

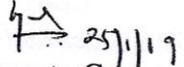
 25/1/19
Special Secretary to Government

Memo. No. 1834 /F&E dt. 25-1-19

Copy forwarded to Assistant Inspector General of Forests, Govt. of India, Ministry of Environment & Forest and Climate Change(F.C.Division), Indira Paryavaran Bhawan, Jor Bagh, Aliganj Road, New Delhi -110003 for information and necessary action.

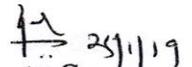
Memo. No. 1835 /F&E dt. 25-1-19

Copy forwarded to Additional Principal Chief Conservator of Forests(Central), Government of India, MoEF&CC, Eastern Regional Office, A/3, Chandrasekharpur, Bhubaneswar for information and necessary action.

 25/1/19
Special Secretary to Government

Memo. No. 1836 /F&E dt. 25-1-19

Copy forwarded to Principal Secretary to Government of Odisha, Revenue & DM Department/Principal Secretary to Government, Rural Development Department/ Principal Secretary to Government, Industries department/Principal Secretary to Government, Steel & Mines

 25/1/19
Special Secretary to Government

department/Principal Secretary to Government, WR Department/Secretary to Government, Works Department for kind information and necessary action.

HA 25/1/19

Special Secretary to Government

Memo. No. 1837 /F&E dt. 25-1-19

Copy forwarded to PCCF (WL) & CWLW, Odisha/ Regional Chief Conservator of Forests, Rourkela Circle/RCCF, Baripada/RCCF, Bhubaneswar/Divisional Forest Officer, Keonjhar forest division/DFO, Keonjhar(WL)Division/DFO, Cuttack Forest Division/DFO, Rajnagar Mangrove(WL) Division for information and necessary action.

Strict supervision may be made by the DFOs concerned during laying of Iron ore slurry pipeline of the project and after.

HA 25/1/19

Special Secretary to Government

Memo. No. 1838 /F&E dt. 25-1-19

Copy forwarded to Collector, Keonjhar/Collector, Jajpur/Collector, Cuttack/Collector, Kendrapara/Collector, Jagatsinghpur for information and necessary action.

HA 25/1/19

Special Secretary to Government

Memo No. 1839 /Dated. 25-1-19

Copy forwarded to the Private Secretary to Hon'ble Minister of Forest & Environment for kind information of Hon'ble Minister.

HA 25/1/19

Special Secretary to Government

Memo No. 1840 /F&E, Dated: 25-1-19

Copy forwarded to the Director, JSW Utkal Steel Limited, JSW Centre, Bandra Kurla Complex, Bandra(East), Mumbai-400051 / Plot No. 3, Forest park, Sisubhawan Square, Bhubaneswar-751009, Odisha for information and necessary action.

HA 25/1/19

Special Secretary to Government

Memo No. 1841 Dated- 25-1-19

Copy forwarded to the O.I.C., State Portal, N.I.C., I.T.. Department, Odisha Secretariat, Bhubaneswar/ M/s Luminous Infoways Pvt. Ltd, Sadhana, N-6/373, Nayapalli, Jayadev Vihar, Bhubaneswar-15 for information and necessary action. They are requested to upload this order of State Government in F&E Department in the website of Forest & Environment Department **immediately** for information of all concerned.

HA 25/1/19

Special Secretary to Government.

Memo No. 1842 Dated- 25-1-19

Copy forwarded to the Under Secretary to Government, Office Establishment Section, F&E Department for information and necessary action with reference to their letter No.21646/F&E Dt. 22.11.2016.

HA 25/1/19

Special Secretary to Government