



OFFICE OF THE DIVISIONAL FOREST OFFICER,  
SUNDARGARH FOREST DIVISION



Phone No-06622-272243, E-Mail- dfo.sundargarh@odisha.gov.in

Memo No. 1467 / 4F (MISC) /2022/Dt-17/03/2022

To

Regional Chief Conservator of Forest  
Rourkela Circle, Rourkela.

Sub: Diversion of forest land over 18.389 ha for widening of loading platform at Sardega Railway Station under SE Railway, Jharsuguda.

Ref: **FP/OR/RAIL/147343/2021 & State SI No: OR-075/2021, Dt: 17.04.2021.**

With reference to the proposal cited above, the proposal for diversion of 18.389 ha of revenue forest land for widening of loading platform at Sardega Railway Station under SE Railway, Jharsuguda for obtaining approval of Central Government of India under Section-2 of Forest Conservation Act, 1980 is furnished below:-

**1. Brief Description:**

Initially the width of loading platform was 22 mtr for 750 mtr length for both platforms No.1 & 2. The amount of coal that could be loaded was 10 MTPA (Million Tones Per Annam). With the surge in demand of coal from various poer plants across the country, it was needed to augment the supply of coal to 25 MTPA. The existing width of both the loading platforms is not sufficient to stock this much of coal before loading to Railway wagons. Hence to augment the coal evacuation from 10 MTPA to 25 MTPA, it is proposed for widening of both the loading plantforms at Sardega Railway Station.

The Chief Engineer (Con-II), of South Eastern Railway has authorized Deputy Chief Engineer (Con), Jharsuguda, vide his Letter No - PD/W/653/Pt.VI/545, dated 24.03.2021 to sign & submit the forest diversion proposal on behalf of the South Eastern Railway. The authorization letter is attached in **Annexure - I. (Pg -5 in DP).**

The South Eastern Railway i.e. Chief Engineer (Con)-II has approved this project and estimates vide his Letter No SER/CON/HQ/PLg/Est/MCL/635/E/Spl, dated 16.10.2020 and proposed for Diversion of the land for widening purpose. The details of Project approval letter is attached in **Annexure-II. (Pg -6 in DP).**

The MCL has intimated to South Eastern Railway that vide his Letter No. MCL/GM (BA)/2019/ES-30/59, dated: 18.05.2019 "The works of Widening Loading platform of Sardega Railway Siding No 1 & 2 consisting of Earth work 3, 55,000 cum and blanketing work 22,000 cum, retaining wall 750m long and there are 2nos minor bridge of span 1x1.30m RCC box. Service building for S & T Department 378sqm has been provided. The copy of the MCL letter is attached in **Annexure-II (A) (Pg -7 to 8 in DP).**

**2. Justification for locating the project in the forest area:**

The Mahanadi Coalfields Limited has proposed for widening of the Loading platform of Sardega railway siding No. 1&2 and Basundhara Area for smooth dispatch of coal which is beneficial to the govt. of India and increase in transportation of coal. As the existing platform is less, area to compensate the transportation of more quantity, it is necessary to widen the existing loading platform. So proposed area is justified for acquiring the land. And the forest land proposed to be diverted is barest minimum for the project transport of coal by railway will also help reduce the air pollution causing due to road transportation of coal. Hence the approving authority has justified the area for the same.

**3. Location:**

For the Proposed railway line from Jharsuguda to Sardega, boundary of adjoining forest is shown on the Survey of India Topo Sheet No. F44L12 in 1:50,000 scale (PLATE - 1), which is situated between **North 22 04' 16.78728", East 83 42' 33.34788" to North 22 04'10.21908", East 830 43' 09.45300"** in villages of Sardega and Gopalpur in Sundargarh Forest division under of Sundargarh District, Odisha.

4. The main application from Part-I to V as per prescribed in the Rules under the FCA will all documents submitted by the User Agency, which is attached in **Annexure-I to IV** (at page No.05 to 22 in DP) & Part-II & Basic Information report by the undersigned, which is attached in **Annexure-V & VI** (at page-23 to 26 in DP).

5. **Map**

The User Agency have enclosed the following maps

SL. NO.	DESCRIPTION	PLATE	SL. NO.
1.	Map showing alignments on the Survey of India Topo Sheet No. F44L12 in 1:50,000 scale.	PLATE - 1.	1.
2.	Authenticated composite Map showing the Proposed Loading platform Boundary of the project in the scale -1:3960	PLATE - 2.	2.
3.	ORSAC vetted Index Map showing forest patches in 1:3960 scale.	PLATE - 3.	3.
4.	ORSAC vetted cadastral map showing forest areas in village Sardega, sheet-1 in 1:3960 scale.	PLATE - 4.	4.
5.	ORSAC vetted cadastral map showing forest areas in village Sardega, sheet-2 in 1:3960 scale.	PLATE - 5	5.
6.	ORSAC vetted cadastral map showing forest areas in village Gopalpur in 1:3960 scale.	PLATE - 6	6.
7.	ORSAC vetted DGPS map showing CA areas in village Kalobahal in 1:3960 scale.	PLATE-7	7.
8.	Topo sheet No.F44I16 in 1:50,000 scale	PLATE-8	8.
9.	Map showing Lay out Plan in loading platform	PLATE-9	9.

6. **Forest land Proposed for diversion**

The total area of the proposed platform is about 31.145 Ha in both forest and non-forest area, out of which 18.389ha of revenue forest land is involved and proposed to be diverted. And the total non-forest area involved is 12.756ha in private and Govt land. Abstract of forest & non-forest land schedule is attached in **Annexure- VII (Pg-27 to 31in DP)**.

The S.E Railway has drawn the "proposed area Map" (PLATE - 2) for widening of platform with other details in 1: 3960 scale and approved the said proposed project. The Composite Map (PLATE - 3) and the village sheets (PLATE - 4 to 6) of Gopalpur & Sardega village showing the required area in 1:3960 scales has been authenticated by ORSAC.

The village wise Forest and Non Forest Land schedule (TABLE - A) has been authenticated and placed as Annexure - 4 & 5. The village & Tahasil wise Forest Land Schedule and the Non-Forest abstract Land Schedule are briefed in TABLE -B, and TABLE -C placed as Annexure - 6 & 7 respectively (**Forest land Page- 27to 31) (Non- forest land Page- 32 to 37 in D.P)**.

The details of land both forest and non-forest is furnished below:-

ABSTRACT LAND SCHEDULE (FOREST LAND)							
Land to be acquired within the corridor proposed for construction of widening of loading platforms at Serdega in Sundargarh district of S.E Railway. Jharsuguda. (As per status of land - 25.10.1980)							
Village : Sardega , Tahasil : Hemgir, P.S : Hemgir (NO - 16), Distirct : Sundargarh							
Sl. No	1	2	3	4	5	8	
	Name Of The Village	Patch A	Patch B	Patch C	Total area to be Acquired (in Acre)	Total area to be Acquired (in Ha)	Remarks
1	Sardega	9.090	7.530	14.460	31.080	12.578	
2	Gopalpur	4.440	3.980	5.940	14.360	5.811	
	<b>Total Area</b>	<b>13.530</b>	<b>11.510</b>	<b>20.400</b>	<b>45.440</b>	<b>18.389</b>	



ABSTRACT LAND SCHEDULE (NON-FOREST LAND)							
Land to be acquired within the corridor proposed for construction of widening of loading platforms at Serdega in Sundargarh district of S.E Railway. Jharsuguda. (As per status of land - 25.10.1980)							
Village : Sardega , Tahasil : Hemgir, P.S : Hemgir (NO - 16), Distirct : Sundargarh							
Sl. No	1	2	3	4	5	6	8
	Name Of The Village	Patch A	Patch B	Patch C	Total area to be Acquired (in Acre)	Total area to be Acquired (in Ha)	Remarks
1	Sardega	9.640	1.080	8.670	19.400	7.851	
2	Gopalpur	1.410	0.000	10.720	12.120	4.905	
Total Area		11.050	1.080	19.390	31.520	12.756	

7. **Purpose-wise breakup of the total Forest land required for the project:- (Annexure - IV)**  
(Page- 20 in D.P).

Sl. No.	PATTERN OF UTILISATION.	NON-FOREST LAND IN ha.	REVENUE FOREST IN ha.	TOTAL AREA IN ha.
1	Widening of loading platform	12.756	18.389	31.145
TOTAL		12.756	18.389	31.145

8. **Length and Width of Railway line passing through forest and non-forest area.**

The length of width of Railway line passing through forest area is furnished below:-

**Forest area**

Sl. No.	Name of Village	Length in (Mtr)	Width in (Mtr)	Area in Acres
1	Sardega	1425	88.26	31.08
2	Gopalpur	805	72.18	14.36
		2230 Mtrs	160.44Mtrs	45.44 Acres Or 18.389ha.

**Non-Forest area.**

Sl. No.	Name of Village	Length in (Mtr)	Width in (Mtr)	Area in Acres
1	Sardega	187.5	4.187	19.400
2	Gopalpur	133.0	3.687	12.120
		320.5 Mtrs	7.874 Mtrs	31.520Acres or 12.755ha.

The copy of details of Length & Width over forest & non-forest area submitted by the User Agency is attached in **Annexure- XX (Page- 85 to 86 in D.P).**

9. **Cost of the Project:**

The approved detail estimated project cost has been attached. The cost estimated for this project is about Rs 51, 56, 32,146/- (Rupees Fifty-One Crore Fifty-Six Lakhs Thirty-Two Thousand and one hundred forty-six) only. The copy of cost of the project is attached in **Annexure-XXI (Page- 87 in D.P).**

10. **Flora & Fauna:-**

Common flora species in the study area are: Amba (Mangifera indica), Amla (Phyllanthus emblica), Arjun (Terminalia arjuna), Ashoka (Sarca asoca), Bahada (Terminalia belerica), Bandhan (Ougenia ojeinensis), Bija (Pterocarpus marsupium), Bheru (Chloroxylon swietenia), Champa (Micheliachampaca), Char (Buchanania lanzan), Dhaman (Grewia), Dhaura (Anogeissus latifolia), Dhoben (Dalbergia paniculata), Harida (Terminalia chebula), Jamu (Syzygium cumini), Kanchan (Bauhinia spp.), Karanj (Pongamia

glabra), Kendu (*Diospyros melanoxylon*), Khair (*Acacia catechu*), Kurum (*Adina cordifolia*), Kusum (*Schleichera olesia*), Mahalimba (*Ailanthus excelsa*), Mahula (*Madhuca indica*), Tentra (*Albizia procera*), Mukhtamanji /Ritha (*Sapindus laurifolia*), Mundi (*Mitragyna parvifolia*), Rai (*Dillenia pentagyna*), Rajmohi (*Lannea coromandelica*), Saguan (*Tectonagrandis*), Sal (*Shorea robusta*), Salai (*Boswellia serrata*), Semal (*Bombax ceiba*), Sidha (*Lagerstromia parviflora*), Siris (*Albizzia lebbek*), Sisso/ Bali (*Dalbergia sissoo*), Sissooi/Pahari (*Dalbergia latifolia*), Sunari (*Cassia fistula*), Tentuli (*Tamarindus indica*) etc. are noticed in the area and fauna there is no presence of bigger animal. However, Barking deer (*Muntiacus muntjak*), jackal (*Canis sureus indicus hodgson*), Fox (*Vulpes bengalensis*), Hare (*Lepus nigricollis*), are seen in the forest land proposed for diversion. Birds like common doves (*Streptopelia chinensis*), mynas (*Acridotheres tristis*), jungle crow (*Corvus macrocyaneus*), Indian cuckoo (*Eudynamis scolopacea*), parrots (*Psittacula euphonia*), etc. are seen. Common reptiles and lizards like Indian cobra (*Naja naja*), Common krait (*Bungarus caeruleus*), rat snakes (*Ptyas mucosus*), common garden lizards (*Calotes versicolor*) etc. are seen in the area etc. are noticed in the area and no rare or endangered flora or fauna is noticed in this area as per Site Inspection Report of the undersigned at **Annexure- XVI (Page- 65 to 66 in D.P.)**.

**11. Trees enumeration:**

Tree enumeration has been carried out in both Revenue Forest area applied for diversion. Total trees to be affected by the projects – 629 Nos in revenue forest area in Village-Sardega-519 nos. & Gopalpur-110 nos. = Total 629 nos. The details enumeration list for Forest area has been enclosed separately with the proposal as **Annexure-XV (Page – 45 to 64 in D.P.)**.

**12. Compensatory Afforestation**

The User Agency i.e. Deputy Chief Engineer, SE Railway, Jharsuguda have selected a land measuring 40.662ha of Degraded forest Land in village Kalobahal of Hemgir Tahasil which is suitable for the Compensatory Afforestation. The scheme for Compensatory Afforestation for Rs.3, 03, 58,148/- is enclosed in **Annexure- XVII (Page – 67 to 77 in D.P.)**.

The DSS Analysis Certificate of Compensatory Afforestation land duly signed by the undersigned, which is attached in annexure- **XXIV (Page- 90 in D.P.)**.

The User Agency has submitted the undertaking to pay the approved cost for raising Compensatory Afforestation which is enclosed at **Annexure- XI (Page – 40 in D.P.)**.

**13. Resettlement and Rehabilitation**

The User Agency has intimated that, the proposed project generates temporary employability of 2200 person days. No Permanent or regular employability is generated. Hence, the Resettlement & Rehabilitation plan is not required at **(Page- 20 in D.P.)**.

**14. Cost Benefit analysis**

As the proposed forest area is below 20Ha, Cost Benefit Analysis is not Applicable as per the guideline of MoEF & CC, Govt. of India dated 01.08.2017 (Copy enclosed as **Annexure- XIX (Page – 87 in D.P.)**).

**15. Environmental Clearance.**

The environmental clearance is not applicable for this project, as per Ministry of Environment and Forests, Government of India, Notification dt.14.9.2006.

**16. Wildlife Management Plan**

Not required as the project is not falling within any eco-sensitive zone, national park or sanctuary etc. in Sundargarh Forest Division.

**17. The User Agency has given an undertaking to minimum use of Forest land and Payment for CA Cost 11& 12, which is attached in **Annexure- X & XI (Page- 39 & 40).****

The User Agency has given vide Check list Serial number-07 & 08 of the forest and non-forest land proposed for diversion, which is attached in **Annexure- XXII & XXIII, ( Page- 88 & 89).**

**18. Deposit of NPV**

The User Agency has given an undertaking to pay the NPV of the forest land proposed for diversion which attached in at **Annexure- XII (Page – 41 in D.P.)**.



19. **Addl. NPV**

The User Agency has given an undertaking to pay the Addl.NPV of the forest land proposed for diversion which is attached in **Annexure- XIII (Page - 42 in D.P)**.

20. **Forest Right Certificate**

The User Agency has requested to collector, Sundargarh vide his letter No. 1105 dt. 05.10.2021 for issue of FRA certificate on undertaking in this regard submit by user agency which is attached in **Annexure- XIV (Page - 43 in D.P)**.

21. The User Agency has given an undertaking to no National Park, Wildlife Sanctuary, Tiger Reserve or NWC of the forest land proposed for diversion which attached in **Annexure- XXV (Page - 91 in D.P)**.

22. The User Agency has given an undertaking to submit Wildlife Scheme, if applicable, which attached in **Annexure- XXVI (Page - 92 in D.P)**.

23. The Geo-referenced map showing forest patches falls within the widening of the platform, proposed to be diverted on cadastral sheet (Sardeg village sheet No. - 1&2 and Gopalpur village sheet no. 5) in 1:3960 scale under Hemgir/Gopalpur Forest Range of Sundargarh Forest Division in Sundargarh district has been vetted by ORSAC vide letter dated 26.08.2021 (**Annexure - XXVII**) along with the Index Map(PLATE - 2) & other village sheets showing forest areas(PLATE -4,5,6)and vetted forest land schedule (**Annexure - VII**). (**Page- 32 to 37 in D.P**).

24. Alternative Alignment -I, II, & III Submitted by the User agency, which is attached in **Annexure- XXVIII (Page- 95 in D.P)**.

25. **Violation**

No violation of FC Act noticed till date

26. **Others**

- i) Site inspection report of DFO, Sundargarh Forest Division is enclosed with the proposal.
- ii) Part-II is enclosed with the proposal.
- iii) Basic Information Report.
- iv) DSS Analysis report
- v) Suitability Certificate.

27. **Recommendation**

The Proposed diversion proposal is meant to provide more area for coal loading & it will increase the coal transport via railway route, thus helping to reduce the air pollution also. Owing to the increased coal mining projects, this expansion/widening is needed. Hence, in view of the above, 18.389 ha of revenue forest land is recommended for diversion in favour of the project for widening of loading platform at Sardeg Railway Station under SE Railway, Jharsuguda.

Encl: 5 sets of proposal

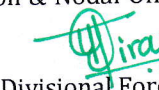
Memo No. 1468 /Dated 17.03.22

Copy forwarded to the Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act, O/O the PCCF, Odisha for favour of kind information and necessary action.

  
17.03.22  
Divisional Forest Officer  
Sundargarh Forest Division.

Memo No. 1469 /Dated 17.03.22

Copy forwarded to the Deputy Chief Engineer, SE Railway, Jharsuguda for information and necessary action.

  
17.03.22  
Divisional Forest Officer  
Sundargarh Forest Division.

  
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Divisional Forest Officer,  
Sundargarh Forest Division.