



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No. 06766-254315, email: dfokjr.od@gov.in

Memo No. 7335 /6F- Mining-05/2017
Dated, Keonjhar the 09-12-2020

To

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela.

Sub: Proposal for diversion 310.11ha forest land for construction of Right Main Canal & Distributary & etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar District.
(Proposal No. 40827/2019, St. Sl. No. OR-050/2019 dtd. 06.07.2019.)

Ref: Your memo No.4200 dated 18.11.2020.

With reference to the memo cited above on the captioned subject the point wise compliance report of the observation is furnished hereunder for favour of kind information and necessary action.

1.(i) The village wise abstract of Khesra Forest of Champua Tahsil does not tally with the plot wise area of the villages as the total area of forest land proposed for diversion in respect of the village Talokonanda mentioned in the abstract is 0.719 ha . whereas the plot wise total of the forest land proposed for diversion in respect of the village comes to 0.847 ha. Similarly the extent of forest land proposed for diversion in respect of the village dolita, Bala, Bardhana, Sirikuan, Unchabali, Jyotipur & Sadangi as per village wise abstract is 1.431 ha, 5.569 ha., 2.761 ha., 3.497 ha., 2.175 ha., 1.279ha., & 0.097 ha. respectively whereas the plot wise total of the forest land proposed for diversion in respect of those villages comes to 1.447ha., 5.589ha., 2.834ha., 3.548ha., 2.174 Ha. (but mentioned as 0.1 ha). Further, the total of the village wise abstract of Khesara Forest of Champua Tahasil comes to 108.886 ha. whereas it has been mentioned as 109.028 ha. The village-wise abstract of forest land must tally with the plot wise total of the forest land proposed for diversion. Thus, it needs to be rectified and correct land schedule should be submitted.

The extent of forest land proposed for diversion of village Talokonanda, Dolita, Bala, Bardhana, Sirikuan, Unchabali, Jyotipur & Sadangi under Champua Tahasil have been rectified with respect to their village wise abstract of forest land in village-Sirikuan is 3.496 ha instead of 3.497 ha. Further, the abstract of forest area of Jyotipur is 1.278 ha instead of 1.279 ha., Plot wise total area of vill-Sadangi is 0.097 ha instead of 0.1 ha earlier mentioned in the diversion proposal. The total area of the village wise abstract of Khesra Forest comes to 109.028 ha after rectification of all discrepancies. The corrected plot wise land schedule along with abstract is appended in the diversion proposal is annexed in Annexure-III.

(ii) Similarly, on verification of land schedule of Khesra Forest of Jhumpura Tahasil, the plot wise area of the forest land in respect of the villages viz. Kashipal, Khendra, Ashoki, Jamunaposi, Tukudiha, Gidhibasa, Cheliana & Badaneuli come to 0.754 ha., 3.085 ha., 0.546 ha., 3.134 ha., 0.174 ha., 7.508 ha., 3.761 ha., & 1.57 ha. respectively whereas in the village wise abstract they have been mentioned as 0.771 ha., 3.082 ha., 0.510ha., 3.130 ha., 0.142ha., 7.500ha., 3.743 ha., & 0.533 ha. respectively. Thus the discrepancies may be rectified and correct land schedule should be furnished. Thus, the village wise land schedule of other Tahasils involve in the project needs to be properly verified and submitted.

The corrected village wise abstract of total land & plot wise total land involve in the project is furnished hereunder after necessary correction.

Name of the Village	Plot wise total area (in ha.)	Abstract of total area (in ha.)	Remarks.
Kashipal	0.754	0.754	(Instead of earlier mentioned in DP as 0.771 ha)
Khendra	3.085	3.085	(Instead of earlier mentioned in DP as 3.082 ha)
Ashoki	0.510	0.510	(Instead of earlier mentioned in DP as 0.546 ha)
Jamunaposi	3.130	3.130	(Instead of earlier mentioned In DP as 3.134 ha)
Tukudiha	0.142	0.142	(Instead of earlier mentioned In DP as 0.174 ha)
Gidhibas	7.508	7.508	(Instead of earlier mentioned In DP as 7.500 ha)

(iii) The land schedule of DLC forest land over 1.371 ha proposed for diversion is not traceable.

DLC forest land has been properly mentioned in a separate column of village wise abstract of different Tahasils.

2. The area proposed for diversion in respect of the above project is 310.110 ha whereas the FRA Certificate has been issued by the Collector, Keonjhar over 311.177 ha. The discrepancies may be clarified.

The user agency has intimated that, for construction of Kanpur Canal System the alignment was finalized, whereas 311.117 ha of forest land was involved. Accordingly, Collector Keonjhar has issued NOC under FRA, 2006 for an area of 311.117 ha. Subsequently, the alignment of Kanpur Canal System has been changed and finally it is found that 310.110 ha forest land is involved in the project. However, the 310.110 ha of forest land is within 311.117 ha for which NOC has been issued by the Collector, Keonjhar. So, there is no necessary of another NOC under FRA, 2006.

3. As per instruction of the PCCF(FD&NO, FC Act), O/o- the PCCF, Odisha vide his memo No.13318 dated 13.07.2020 & this office memo No.1755(5) dated 13.07.2020, you have not submitted the pdf file of the above diversion proposal.

PFD files of all related records of Forest Diversion proposal are submitted herewith.

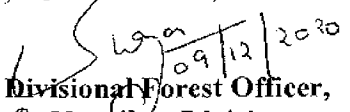
The revised forwarding letter, Site Inspection Report, Part-II, check List-7, Check List-8 has been corrected accordingly and included in the diversion proposal. The diversion proposal is re-submitted in 4stes along with KML file is enclosed herewith for favour of kind information and necessary action.

Enclosure- Diversion proposal along with requisite documents.


09/12/2020
Divisional Forest Officer,
Keonjhar Division.

Memo No. 7336 /Dated 09-12-2020

Copy forwarded to the Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, O/O. the PCCF, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to memo No.4201 dated 18.11.2020 of RCCF, Rourkela Circle, Rourkela.


09/12/2020
Divisional Forest Officer,
Keonjhar Division.

Revised



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfokjr.od@gov.in

Memo No. 7333 / 6F-Mining-05/2017

Dated, Keonjhar the 09-12-2020

To

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela.

Sub: Diversion of 310.11 ha of forest land for construction of Right Main Canal and distributary system in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district.

Ref: Proposal No. FP/OR/IRRIG/40827/2019, St. Sl. No. OR-050/2019 dated 06.07.2019.

The proposal for diversion of 310.11 ha of forest land for construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district was received online from the Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act. O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar vide No. FP/OR/IRRIG/40827/2019, St. Sl. No. OR-050/2019 dated 06.07.2019. After due scrutinization the aforesaid diversion proposal is sent herewith in 5 sets for approval under section-2(ii) of Forest Conservation Act, 1980.

A. Brief description of the Project Proposal

A.1. Brief description of the Project

Water Resources Department (Irrigation wing) Govt. of Odisha has constructed the Dam/Reservoir near village Basudevpur in Keonjhar Forest Division under Keonjhar District at Latitude 22°02'30"N & Longitude 85°30'47"E in the upstream side of the Baitarani bridge across the river Baitarani and for that forest clearance has been obtained from MoEF, GoI vide letter No. B-261/88-FC, dated 4.7.1989.

As per information mentioned in Part- I by user agency the present proposal is for Diversion of 310.110 Ha of Forest land out of 1669.986 Ha of total land required for Canal System of Kanpur Irrigation Project under Keonjhar Forest Division in Keonjhar District. This Project is one of the most beneficial Major Irrigation project in the State of Odisha. The Right Main Canal starts from the right side of the dam near Basudevpur village and cover 244Nos of villages in Barbil, Champua, Jhumpura, Keonjhar Sadar and Patna Tahasils of Keonjhar District. The length of the main canal is 78.21 Kms and there are minor, sub minor, canals and distributaries in canal system to facilitate annual irrigation 29578 Ha Cultural Command Area (CCA) out of 39437 Ha of Gross Command Area (GCA) with Khariff Irrigation (Rainy Season) 24555 Ha, Rabi Irrigation (November – March) 17154 Ha and 6000 Ha during summer (Summer Months) along with 260 Ft³/sec per year constant municipality and industry supplies as an ultimate aim of the project. This project will also create 2.25 MW of Hydra Power to meet the demand of the neighbouring villages. This project has been approved vide letter No. Irr-1-P1-39/16-31235/WR, dated 31.12.2016, Department of Water Resources, Govt. of Odisha. Copy enclosed as **Annexure-I**.

As reported by the project proponent the project area comes under Barbil, Champua, Jhumpura, Keonjhar Sadar & Patna Tahasil of Keonjhar District, which is a drought prone area, chronically affected with frequent bouts of draught. The agricultural yield in this area completely

depends on the natural rain fall, which is inadequate, untimely and unevenly distributed. Consequently, the agricultural production, which is the only source of income of the locality, is much below the average level. As such financial status of the people in this area is very low. So the project is absolutely necessary to improve the agricultural output and economy of the region to mitigate the misery of a sizeable population, mostly belonging to schedule caste, schedule tribe and backward class.

Other objectives are to provide an equitable irrigation supply to the cultivators while simultaneously providing municipal and industrial water supply to the proposed steel plants and thereby develop confidence in these areas amongst the users for availability of water and its management. The proposed industries are expected to draw water from the head works of the sub-project. The operations and maintenance of the canal network of the sub project from outlet levels upto Distributary levels is to be handed over to various Farmers Irrigation Associates/Co-operative societies so as to imbibe a sense of ownership of the irrigation system and consequently increase the agricultural production.

A.2. Physiography and Geological formation

This command area lies between latitude $21^{\circ} 49' 15''$ to $22^{\circ} 05' 45''$ North and longitude $85^{\circ} 31' 45''$ to $85^{\circ} 49' 00''$ East finds place in Survey of India Topo Sheet No.73 F12 & 73G/9 & 73G/13.

A.3. Floristic- Faunal Composition

The prevailing vegetation in the forest land proposed for diversion includes Sal and Sal associates. The geological formation of this area is quite suitable for growth of Sal. Sal constitutes around 70 to 75% of the top canopy.

As per tree enumeration list the floral species found viz *Tectona grandis*, *Acacia catechu*, *Dalbergia sisoo*, *Gmelina arborea*, *Michelia champaca*, *Adina cordifolia*, *Shorea robusta*, *Mangifera indica*, *Terminalia tomentosa*, *Syzygium cumini*, *Anogeissus latifolia*, *Bridelia retusa*, *Diospyros melanoxylon*, *Artocarpus integrifolia* & Misc Species are existing in the applied forest land.

The canopy density of the prevailing forest growth varies from 0.2 to 0.6. The average canopy density of the instant forest area to be diverted was found to be 0.5.

The applied Forest land in village Nayagarh, Jalpaposi, Bandhuabeda, Namira, Unchabali, Jajanga, Joroli, Dhanurjajpur, Malda, Jaribahal & Jagannathpur is the dwelling habitat for Elephant, Leopard, Bear, Barking Dear, Hyena, Porcupine and etc. Wild elephants, often, visit various forest blocks of the instant diversion project. The proposed site falls under elephant habitat zone- 2 as per the book titled Remote Sensing Application for characterization of elephant habitat and corridor in Odisha and parts of Bihar published by ORSAC in September, 1999.

B. Documents and Undertakings as regards Forest Diversion Proposal

B.1. Maps

The user agency has furnished the required maps as depicted in the following table-

Sl. No	Particulars	Scale	Reference
01	Location map in 1: 50,000 scale, on the Survey of India Topo Sheet showing the proposed layout of Kanupur Irrigation Canal System Project.	1:50000	Plate No. I
02	Alternate site showing, on the Survey of India Topo Sheet in 1: 50,000 scale.	1:50000	Plate No. II

03	DGPS Surveyed Index Maps (Part I & II) of the Proposed Kanupur Irrigation Canal System Project showing Forest Patches on 1:25000 (Part-I) & 1:30000 (Part-II) scales vetted by ORSAC.	1:25000 1:30,000	Plate No. III
04	DGPS Surveyed Maps Showing of the Proposed Kanupur Irrigation Canal System Project showing Forest Patches in Cadastral Sheets on 1:3960 scale vetted by ORSAC.	1:3960	Plate No. IV
05	Location map of Compensatory Afforestation in 1: 50,000 scale, on the Survey of India Topo Sheet showing the CA Land Patches of Kanupur Irrigation Canal System Project.	1:50000	Plate No. V
06	DGPS Surveyed Index Map of the Proposed Kanupur Irrigation Canal System Project showing Compensatory Afforestation Patches on 1:4000 scale vetted by ORSAC.	1:4000	Plate No. VI
07	DGPS Surveyed maps Showing of the Proposed Kanupur Irrigation Canal System Project showing CA Land Patches in Cadastral Sheets on 1:3960 scale vetted by ORSAC.	1:3960	Plate No. VII
08	Lay out plan for Construction of Kanupur Irrigation Canal System Project in Cadastral Sheets (Part-I & Part-II).	1:8000	Plate No. VIII
09	Forest Cover Map showing the distance of National Parks, Wildlife Sanctuaries, Elephant Corridors etc from the project site.	1:60000	Plate No. IX
10	Location map of Compensatory Afforestation in 1: 50,000 scale, on the Survey of India Topo Sheet showing the degraded forest land identified in Ukhunda RF under Champua Range.	1:50000	Plate No. X
11	GPS Surveyed Map of degraded forest land identified in Ukhunda RF under Champua Range over 224.675 ha.	1:4000	Plate No. XI
12	Location map of Compensatory Afforestation in 1: 50,000 scale, on the Survey of India Topo Sheet showing the degraded forest land identified in Barabanka RF under Keonjhar Range.	1:50000	Plate No. XII
13	GPS Surveyed Map of degraded forest land identified in Barabanka RF under Keonjhar Range over 110.749 ha.	1:4000	Plate No. XIII
14	Location map of Compensatory Afforestation in 1: 50,000 scale, on the Survey of India Topo Sheet showing the degraded forest land identified in Raghunathpur RF under Keonjhar Range.	1:50000	Plate No. XIV
15	GPS Surveyed Map of degraded forest land identified in Raghunathpur RF under Keonjhar Range over 86.280 ha.	1:4000	Plate No. XV

B.2. Forest Land

The total forest land involved in the instant proposal is 310.110 ha which includes 105.192 ha Reserved Forest land, 103.525 ha Revenue Forest land, 100.022 ha Sabik Forest (Non-Forest land recorded as Forest as on 25.10.1980) and 1.371 ha DLC Forest land. The details of the forest land along with the purpose of utilization over 310.110 ha of the applied forest land is furnished hereunder-

Purpose wise breakup of the forest land required for the project

Sl. No.	Purpose	Reserved Forest (ha)	Revenue Forest (ha)	Sabik Forest (ha)	DLC Forest (ha)	Total Forest Land (ha)	Total Non-forest land (ha)	Grand Total (Forest & Non-forest) (ha)
1	Main canal	47.373	40.386	36.616	0.000	124.311	1359.876	1669.986
2	Distributary Minor & S/M	57.819	63.139	63.406	1.371	185.799		
Total		105.192	103.525	100.022	1.371	310.110	1359.876	1669.986

B.3. Status of total land as on 25.10.1980 involved in the project (both Forest and Non-forest).

The Tahasildar, Barbil, Jhumpura, Champua, Keonjhar & Patna Tahasil have furnished certificate as regards status of total land as on 25.10.1980 in respect of construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district and the said certificate is enclosed herewith as **Annexure- _____**.

B.4. Tree Enumeration.

There are 59621 nos. Sound trees and 310 nos. un-sound trees standing on the forest land over 310.11 ha and 3002 nos. sound trees and 3 nos. un-sound trees standing on non-forest land for construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district. The species wise and diameter class wise abstract of total enumerated trees and trees required to be felled is enclosed as **Annexure- 12(A)**.

B.5. Cost benefit analysis.

The Cost Benefit analysis has been worked out as per the guide lines of Forest (Conservation) Act, 1980 and enclosed in the proposal as **Annexure- 4**. The Cost Benefit ratio is 1:9.21.

B.6. Re-settlement and Rehabilitation.

The project does not involve displacement of any human habitation and therefore the Re-settlement and Rehabilitation plan is not warranted.

B.7. District Profile

The district profile in the prescribed proforma vide **Annexure- VII** of FC Act guideline is annexed herewith as **Annexure- 21**.

B.8. Certificate under FRA, 2006

The Collector, Keonjhar has furnished certificate under FRA over 311.117 ha against 310.11 ha forest land involved in the instant diversion proposal is annexed herewith as **Annexure- 11**.

B.9. Site Inspection Report of DCF

Site Inspection report of the Deputy Conservator of Forests, Keonjhar Division is furnished as **Annexure- 19**.

B.10. DGPS maps

The DGPS map signed by all concerned officials of Revenue and Forest Dept., validated by ORSAC and duly countersigned by the undersigned is enclosed as **Plate- II**. The area as per land schedule and that of DGPS map involved in the submitted diversion proposal is produced below-

Sl. No.	Category of Forest Land	Area as per land schedule (in ha.)	Area as per DGPS (in ha.)	% variation
1	Reserved Forest	105.192	105.192	
2	Revenue Forest	103.525	104.211	
3	Sabik Forest	100.022	108.660	
4	DLC Forest	1.371	1.505	
	Total:	310.11	319.568	

C. Compensatory Levies

C.1. Compensatory Afforestation

Non-forest Govt. land required for Compensatory Afforestation, for diversion of 310.11 ha of Forest Land under Sec 2(ii) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land over 321.00 ha in village Lungajhar under Banspal Tahasil of Keonjhar District in favour of Kanpur Irrigation Project vide letter No. 303/Rev dt. 24.02.2018 of Collector, Keonjhar. Accordingly, Compensatory Afforestation scheme at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @400 seedlings/ha (Bald Hill) has been prepared. The copy of the allotment letter issued by Collector, Keonjhar is enclosed as **Annexure- 9**. Degraded forest land have been identified to accommodate the balance seedlings for CA. In Ukhunda RF under Champua Range (224.675 ha), for raising seedlings at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @400 seedlings/ha CA scheme has been prepared. In Raghunathpur RF under Keonjhar Range (86.280 ha) & Barabanka RF under Keonjhar Range (110.749 ha) for raising balance seedlings at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @600 seedlings/ha CA scheme has been prepared. Compensatory Afforestation scheme, prepared by the Divisional Forest Officer, Keonjhar Division in respect of the aforementioned Non-forest land is enclosed herewith as **Annexure- 10(A)(C)**. The details of plantation site, area, plantation model & No. of seedlings per ha is given below.

Sl. No.	Name of the plantation site	Area Allotted (in ha)	Plantation Model	No. of seedlings accommodate
1	Village- Lungajhar (Non-forest Govt. land)	321.000	ANR@400	128400
2	Ukhunda RF (Degraded forest land)	224.675	ANR@400	89870
3	Raghunathpur RF (Degraded forest land)	86.280	ANR@600	51768
4	Barabanka RF (Degraded forest land)	110.749	ANR@600	66449
	Total	742.704		336487

C.2. Net Present Value.

NPV of the forest land proposed for diversion under FC Act, 1980 will be realised from the User Agency on receipt of Stage-I approval. The undertaking submitted by the User Agency to this effect is enclosed as **Annexure- 14**.

C.3. Wild Life Management- Site Specific Wildlife Conservation Plan and Regional Wildlife Management Plan.

The area does not form part neither represents any National Park or Wildlife Sanctuary, National Reserve etc. As per report of the Range Officer, Champua and Patna in the proposed site for construction of Right Main Canal and distributaries etc. the following locations with GPS reading depicts the sites where Wild Animal including Elephant usually cross.

Sl no.	Latitude			Longitude			Remarks
	Dig	Min	Sec	Dig	Min	Sec	
1	22	1	52.8	85	31	40.1	Champua Section of Champua Range
2	22	2	10.9	85	31	54	
3	22	2	10.1	85	32	40.8	
4	22	2	8.8	85	33	22.3	
5	22	1	57	85	34	26.7	
6	22	1	28.7	85	35	25.1	
7	22	1	10.3	85	35	27.6	
8	22	0	57.1	85	35	18	
9	21	59	48.7	85	34	38.1	
10	21	57	52.7	85	33	5.36	Balibandha Section of Champua Range
11	21	56	4.03	85	32	40.47	
12	21	54	40.33	85	32	37.43	
13	21	51	53.23	85	32	36.34	
14	21	51	12.69	85	32	13.29	
15	21	52	19.15	85	36	31.2	
16	21	52	50.7	85	37	58.1	
17	21	52	27.89	85	44	31.41	Ukhunda Section of Champua Range
18	21	53	8.75	85	46	27.83	
19	21	52	50.86	85	46	23.44	
20	21	53	56.45	85	45	25.03	
21	21	55	20.94	85	43	43.76	
22	21	56	51.43	85	42	27.07	
23	21	48	59.742	85	47	01.200	In Vill-Neuliposi (Bhaluhudi) of Patna Range
24	21	49	01.002	85	46	55.820	
25	21	49	10.680	85	46	40.890	In Vill-Budhikapudi (Thakurani Chaturi) of Patna Range
26	21	49	13.730	85	46	34.470	

Therefore, it is proposed to construct the overpass at the Project Cost at the said locations for smooth movement of wild animal including elephant. It is pertinent to mention here that due to frequent change in Elephant movement the User Agency should take up additional intervention, if required, in future at project cost for smooth movement and passage of Elephant.

D. Statutory Clearances

D.1. Forest Clearance

Earlier Forest Clearance was obtained for construction of Dam/ Reservoir near village- Basudevypur of Kanpur Project vide No B-261/88-FC dated 04.07.1989. No forest clearance has been accorded/ approved under section 2(ii) of FC Act, 1980 earlier for the instant proposal.

D.2. Environmental Clearance

Not applicable- As per FIA notification dated 14.09.2006 Environmental Clearance is not required in the instant diversion proposal.

D.3. Consent to Operate from SPCB, Odisha

Not applicable.

E. Misc. Information

E.1. Violation and Action Taken thereof.

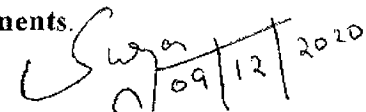
No violation has been observed in respect of the forest land, involved in the instant diversion proposal, proposed for diversion under FC Act, 1980 for construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district.

E.2. Pending Court Matters.

There is no Court matter pending against the User Agency in respect of the forest land proposed for diversion under FC Act, 1980 for construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district. The undertaking submitted by the User Agency to this effect is enclosed as **Annexure- 19(A)**.

The submitted diversion proposal over 310.110 ha Forest land under Keonjhar Forest Division for construction of Right Main Canal and distributary etc. in Kanpur Canal System in Keonjhar Forest Division under Keonjhar district is forwarded herewith for consideration as per provision under section 2(ii) of Forest (Conservation) Act, 1980 (Amended).

Enclosure- Diversion proposal along with requisite documents.


09/12/2020
**Divisional Forest Officer,
Keonjhar Division.**

Memo No. 7334 /Dated 09-12-2020

Copy forwarded to the Principal Chief Conservator of Forests, Forest Division and Nodal Officer, FC Act, O/o. the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information.


09/12/2020
**Divisional Forest Officer,
Keonjhar Division.**

Permit

PART-II

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

7. Location of the Project/Scheme.

i. State/Union Territory.	Odisha.						
ii. District.	Keonjhar						
iii. Forest Division.	Keonjhar Forest Division.						
iv. Area of Forest land proposed for diversion (in ha.)	The area of the forest land proposed for diversion is 310.11 ha. The detailed pattern of utilization in respect of applied forest land is produced hereunder-						
	Sl. No.	Purpose	Reserved Forest (ha)	Revenue Forest (ha)	Sabik Forest (ha)	DLC Forest (ha)	Total Forest Land (ha)
	I	Construction of Right Main Canal and distributary etc.	105.192	103.525	100.022	1.371	310.11
	Total		105.192	103.525	100.022	1.371	310.11
v. Legal status of Forest.	Reserve Forest = 105.192 ha Revenue Forest = 103.525 ha Sabik Forest = 100.022 ha DLC Forest = 1.371 ha Total = 310.110 ha						
vi. Density of vegetation.	The canopy density of the prevailing forest growth varies from 0.2 to 0.5. The prevalence of pole crop to middle aged Sal crop in this area indicates the shifting cultivation in the past and the crop can therefore be considered to be secondary origin. The average canopy density of the instant forest area to be diverted is found to be 0.5 .						
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 mtr and FRL-4 meter also to be enclosed.	Species wise and diameter class wise abstract of trees enumerated in respect of the applied forest land is enclosed as Annexure- 12 (A)						
viii. Brief note on vulnerability of the Forest Area to erosion.	The area applied for diversion is sloppy in some parts and plain in some part, the sloppy area is prone to soil erosion. Therefore, there should be a proper plan/design to arrest the soil particles within the project area. The User Agency may be insisted upon to plan and implement this activity at project cost.						
ix. Approximate distance of proposed site from diversion from boundary of	The proposed site is partly coming within the Kalikaprasad RF, Laxmiposi RF, Tangrani RF, Balibandh RF, Uliburu RF, Jyotipur RF, Bardhana RF, Muni RF and Budhikapudi RF.						

forest.	
x. Whether forms part of National Park, Wild Life Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. (If so, the details of the area and comments of the Chief Wild Life Warden to be annexed.	The applied area does not form part of any National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. Nonetheless, this site falls under Elephant habitat zone- 2 as per the book titled "Remote Sensing Application for characterization of elephant habitat and corridor in Odisha and parts of Bihar" published by ORSAC in September, 1999.
xi. Whether any rare/ endangered/ unique species of flora and fauna in the area, if so details thereof.	There is no rare/ unique species of flora and fauna in the area applied for diversion. However endangered fauna like Elephants are often noticed in the forest area applied for diversion.
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 protected archeological/ heritage site/ defense establishment or any other important monument is located in the area.
8. Whether the requirement of Forest land as 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 alternatives examined.	The applied Forest area of 310.110 ha is unavoidable and barest minimum required for 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 violation is committed in the forest land proposed for diversion under FC Act, 1980 for construction of Right Main Canal and distributary etc in Kanpur Canal system in the applied forest area for diversion.

<p>10. Details of Compensatory Afforestation Scheme.</p> <p>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.</p>	<p>Non-forest Govt. land required for Compensatory Afforestation, for diversion of 310.11 ha of Forest Land under Sec 2(ii) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land over 321.00 ha in village Lungajhar under Banspal Tahasil of Keonjhar District in favour of Kanpur Irrigation Project vide letter No. 303/Rev dt. 24.02.2018 of Collector, Keonjhar. Accordingly, Compensatory Afforestation scheme at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @400 seedlings/ha (Bald Hill) has been prepared. The copy of the allotment letter issued by Collector, Keonjhar is enclosed as Annexure- 9. Degraded forest land have been identified in Ukhunda RF under Champua Range (224.675 ha), for raising balance seedlings at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @400 seedlings/ha. In Raghunathpur RF under Keonjhar Range (86.280 ha) & Barabanka RF under Keonjhar Range (110.749 ha) for raising balance seedlings at the prevailing wage rate @Rs. 308.00 per MD with a maintenance period of ten years under ANR model @600 seedlings/ha CA scheme has been prepared. Compensatory Afforestation scheme, prepared by the Divisional Forest Officer, Keonjhar Division in respect of the aforementioned Non-forest land and degraded forest land are enclosed herewith as Annexure- 20, (A), (B), (C). The details of plantation site, area, plantation model & No. of seedlings per ha is furnished below-</p> <table border="1" data-bbox="470 907 1508 1422"> <thead> <tr> <th>Sl. No.</th> <th>Name of the plantation site</th> <th>Area Allotted (in ha)</th> <th>Plantation Model</th> <th>No. of seedlings accommodate</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Village- Lungajhar (Non-forest Govt. land)</td> <td>321.000</td> <td>ANR@400</td> <td>128400</td> </tr> <tr> <td>2</td> <td>Ukhunda RF (Degraded forest land)</td> <td>224.675</td> <td>ANR@400</td> <td>89870</td> </tr> <tr> <td>3</td> <td>Raghunathpur RF (Degraded forest land)</td> <td>86.280</td> <td>ANR@600</td> <td>51768</td> </tr> <tr> <td>4</td> <td>Barabanka RF (Degraded forest land)</td> <td>110.749</td> <td>ANR@600</td> <td>66449</td> </tr> <tr> <td colspan="2">Total</td> <td>742.704</td> <td></td> <td>336487</td> </tr> </tbody> </table>	Sl. No.	Name of the plantation site	Area Allotted (in ha)	Plantation Model	No. of seedlings accommodate	1	Village- Lungajhar (Non-forest Govt. land)	321.000	ANR@400	128400	2	Ukhunda RF (Degraded forest land)	224.675	ANR@400	89870	3	Raghunathpur RF (Degraded forest land)	86.280	ANR@600	51768	4	Barabanka RF (Degraded forest land)	110.749	ANR@600	66449	Total		742.704		336487
Sl. No.	Name of the plantation site	Area Allotted (in ha)	Plantation Model	No. of seedlings accommodate																											
1	Village- Lungajhar (Non-forest Govt. land)	321.000	ANR@400	128400																											
2	Ukhunda RF (Degraded forest land)	224.675	ANR@400	89870																											
3	Raghunathpur RF (Degraded forest land)	86.280	ANR@600	51768																											
4	Barabanka RF (Degraded forest land)	110.749	ANR@600	66449																											
Total		742.704		336487																											
<p>ii. Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.</p>	<p>Map showing non-forest Govt. land and degraded forest land identified for compensatory Afforestation is enclosed vide Plate No. - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.</p>																														
<p>iii. Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure etc.</p>	<p>Compensatory Afforestation Scheme over 321.00 ha of non-forest Govt. land and degraded forest land over 421.704 ha are in 3 nos RFs enclosed as Annexure-20, 20(A), 20(B), 20(C)</p>																														
<p>iv. Total financial outlay for compensatory afforestation scheme</p>	<p>Total financial outlay for compensatory Afforestation scheme is Rs.19,33,64,200/- (Rupees nineteen crore thirty-three lakh sixty-four thousand two hundred) only</p>																														
<p>v. Certificate from competent authority</p>	<p>Enclosed vide Annexure - 8</p>																														

regarding suitability of area identified for compensatory afforestation and from management point of view.(To be signed by the concerned Deputy Conservator of Forests).	
11. Site Inspection report of the D.C.F. (to be enclosed) especially highlighting facts asked in col.7 (xi,xii), 8 and 9 above.	Enclosed vide Annexure - <u>19</u>
12.Division/District Profile. i) Geographical area of the district.	830300.000 Ha.
ii) Forest area of the district.	336615.6293 Ha.
iii) Total Forest area diverted since 1980 with numbers.	14172.5709 ha (116 Nos.)
iv.Total compensatory afforestation stipulated in the District/Division since 1980 on (a) Forest land including Penal compensatory afforestation. (b) Non-forest land.	C.A. 2107.3543 ha. P.C.A., A.C.A- 7545.6046 ha C.A- 9465.8399 ha.
v. Progress of Compensatory afforestation as on (date) (a) Forest land (b) Non-forest land.	C.A. 1152.58 ha. P.C.A. <u>2996.34 ha.</u> C.A 5983.9016 ha.
13. Specific recommendation of the D.C.F. for acceptance or other wise of the proposal with reasons.	The total forest land involved in the project is 310.110 ha. This includes 105.192 ha Reserved Forest, 103.525 ha Revenue Forest, 100.022 ha Sabik Forest (Non-forest land recorded as Forest as on 25.10.1980) and 1.371 ha DLC Forest. The proposed area is unavoidable and the barest minimum for the purpose of construction of Right Main Canal and distributary etc in Kanpur Canal system.

The submitted diversion proposal over 310.110 ha Forest land under Keonjhar forest division is forwarded herewith for consideration as per provision under section 2(ii) of Forest (Conservation) Act, 1980 (Amended) with following recommendation.

- Site Specific Wildlife Conservation Plan with main focus for protection of elephants.
- Proposed construction of the overpass at the project cost for smooth movement of wild animal including elephant at various location.

Locations as mentioned hereunder.

Sl no.	Latitude			Longitude			Remarks
	Dig	Min	Sec	Dig	Min	Sec	
1	22	1	52.8	85	31	40.1	Champua Section of Champua Range
2	22	2	10.9	85	31	54	
3	22	2	10.1	85	32	40.8	
4	22	2	8.8	85	33	22.3	
5	22	1	57	85	34	26.7	
6	22	1	28.7	85	35	25.1	
7	22	1	10.3	85	35	27.6	
8	22	0	57.1	85	35	18	
9	21	59	48.7	85	34	38.1	
10	21	57	52.7	85	33	5.36	Balibandha Section of Champua Range
11	21	56	4.03	85	32	40.47	
12	21	54	40.33	85	32	37.43	
13	21	51	53.23	85	32	36.34	
14	21	51	12.69	85	32	13.29	
15	21	52	19.15	85	36	31.2	
16	21	52	50.7	85	37	58.1	
17	21	52	27.89	85	44	31.41	
18	21	53	8.75	85	46	27.83	
19	21	52	50.86	85	46	23.44	
20	21	53	56.45	85	45	25.03	
21	21	55	20.94	85	43	43.76	
22	21	56	51.43	85	42	27.07	
23	21	48	59.742	85	47	01.200	In Vill-Neuliposi (Bhaluhudi) of Patna Range
24	21	49	01.002	85	46	55.820	
25	21	49	10.680	85	46	40.890	In Vill-Budhikapudi (Thakurani Chaturi) of Patna Range
26	21	49	13.730	85	46	34.470	

Therefore, it is proposed to construct the overpass at the Project Cost at the said locations for smooth movement of wild animal including elephant. It is pertinent to mention here that due to frequent change in Elephant movement the User Agency should take up additional intervention, if required, in future at project cost for smooth movement and passage of Elephant.

[Signature]
09/12/2020

Name- Swayam Mallick, IFS
Official Seal.
Divisional Forest Officer
Keonjhar Division

Date: 9-12-2020
Place. Keonjhar