चेक लिस्ट क्र.–7

प्रपत्र–4 में प्रस्ताव।

Check list – 7

FORM – IV

Form for seeking prior approval under section 2 of the proposal by the State Government and other authorities.

1	Project details :	
I	Short narrative of the proposal and project/scheme for which the forest land is required.	Construction of New BG Electrified line from Urga to Dharmjaigarh from Km 0 to Km 62 in Korba and Raigarh District in Chhattisgrah.
II	Map showing the required forest area, boundary of adjoining forest and item-wise break-up of the required forest area for different purpose (to be authenticated by an officer not below the rank of deputy Conservation of forests).	Attached as Page No -
III	Total cost of the project.	Rs. 168600 Lac.
IV	Justification for locating the project in the forest area giving alternatives examined and reason for their rejection.	Attached as Page No -
V	Financial and social benefits	1. Population growth and immigration 2. Human settlement and resettlement/ rehabilitation 3. Transport and communication. 4. Income and employment. 5. Civic amenities and community development. 6. Educational facilities and literacy drive 7. Economic growth. 8. Growth of financial revenues (State and Central) 9. Social status growth.
VI	Employment generated	Permanent Employment – 54 Nos. and Tempory Employment – 191625 Mandays.
2	Location of the project/Scheme :-	
I	State /Union territory	Chhattisgarh
II.	District	Raigarh

<table>
<tr><td></td><td></td><td></td></tr>
<tr><td>III.</td><td>Forest Division, forest Block, Compartment etc.</td><td>Dharmjaigarh Division, Chhal and Dharmjaigarh Range Compartment No. PF554,RF562,RF1179,PF476,PF552,PF551,PF591 and PF592</td></tr>
<tr><td>3</td><td>Item-wise break-up of the total land required for the project/ Scheme along with its Existing land use.</td><td>
<table>
<tr><th>S.No.</th><th>Particulars</th><th>Forest land (ha.)</th><th>Non-Forest Land (ha.)</th><th>Total Land (ha.)</th></tr>
<tr><td>1</td><td>Contruction of New BG Railway Line</td><td>97.667</td><td>86.759</td><td>184.426</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Details of forest land involved :</td><td>
<table>
<tr><th>अ.क्र.</th><th>कक्ष क्र./खसरा क्र.</th><th>रकबा (हे.)</th><th>वन का प्रकार</th></tr>
<tr><td>1</td><td>पी.एफ. 554</td><td>10.793</td><td>संरक्षित वन</td></tr>
<tr><td>2</td><td>आर.एफ 562</td><td>3.596</td><td>आरक्षित वन</td></tr>
<tr><td>3</td><td>आर.एफ 1179 (नया कक्ष क्रमांक आर.एफ 544)</td><td>1.500</td><td>आरक्षित वन</td></tr>
<tr><td>4</td><td>पी.एफ. 476</td><td>4.056</td><td>संरक्षित वन</td></tr>
<tr><td>5</td><td>पी.एफ. 552</td><td>1.677</td><td>संरक्षित वन</td></tr>
<tr><td>6</td><td>पी.एफ. 551</td><td>6.973</td><td>संरक्षित वन</td></tr>
<tr><td>7</td><td>पी.एफ. 591</td><td>7.044</td><td>संरक्षित वन</td></tr>
<tr><td>8</td><td>पी.एफ. 592</td><td>10.534</td><td>संरक्षित वन</td></tr>
<tr><td>9</td><td>छोटे बड़े झाड़ का जंगल – सिथरा</td><td>9.710</td><td>राजस्व वन</td></tr>
<tr><td>10</td><td>छोटे बड़े झाड़ का जंगल – महाराजगंज</td><td>0.018</td><td>राजस्व वन</td></tr>
<tr><td>11</td><td>छोटे बड़े झाड़ का जंगल – हाटी</td><td>1.985</td><td>राजस्व वन</td></tr>
<tr><td>12</td><td>छोटे बड़े झाड़ का जंगल – जोगडा</td><td>17.317</td><td>राजस्व वन</td></tr>
<tr><td>13</td><td>छोटे बड़े झाड़ का जंगल – खडगांव</td><td>4.666</td><td>राजस्व वन</td></tr>
<tr><td>14</td><td>छोटे बड़े झाड़ का जंगल – बायसी कालोनी</td><td>0.648</td><td>राजस्व वन</td></tr>
<tr><td>15</td><td>छोटे बड़े झाड़ का जंगल – कोयलार</td><td>17.150</td><td>राजस्व वन</td></tr>
<tr><td></td><td>कुल रकबा (हे.)</td><td>97.667</td><td></td></tr>
</table>
</td></tr>
<tr><td>I</td><td>Legal status of the forest (namely, reserve, protected/in classed etc.)</td><td>Reserve Forest – 5.096 Ha. Protected Forest – 41.077 Ha. & Revenue Forest- 51.494 Ha.

Total- 97.667 Ha.</td></tr>
<tr><td>II</td><td>Details of Flora and Fauna existing in the area</td><td>Attached as Page No -</td></tr>
<tr><td>III</td><td>Density of vegetation</td><td>0.10 to 0.50</td></tr>
<tr><td>IV</td><td>Species –wise and diameter class wise abstract of trees.</td><td>Attached as Page No -</td></tr>
</table>

V	Vulnerability of the forest area to erosion, whether it forms a part of a seriously eroded area or not	There is soil erosion of medium range and distrabance of narva, so it would be appropriate to do ground water conservation work wherever required.
VI	Whether it forms a part of national park, wildlife sanctuary, nature reserve, biosphere reserve, etc and if so, details of the area involved. (Specific comments of the Chief Wildlife warden to be annexed)	To be attached by CWLW
VII	Item wise breakup of the forest land required for the project/scheme for different purposes.	Protected Forest land – 41.077 ha. Reserve Forest land – 5.096 ha. Revenue Forest land – 51.494 ha. Total – 97.667 Ha. Required for the purpose of Construction of New BG Line Urga to Dharmjaigarh in Dharmjaigarh Division.
VIII	Rare endangered species of flora and fauna found in the area	No
IX	Whether it is a habitat for migrating fauna or forms a breeding ground for them.	No
X	Any other significance of the area relevant to the proposal.	East Rail Corridor Project Phase –II runs through Chhal and Dharmjaigarh Range of Dharmjaigarh Forest division. 97.667 ha of forest land has been requested for diversion under FCA 1980.In Dharmjaigarh division average year round presence of 40-50 elephant has been observed. The Population peaks even upto 80-90 for few months of the year. These two forest ranges (Chhal & Dharmjaigarh ranges) caters 60-70 % elephant population of Dharmjaigarh division. Due to dence natural forest, large tract of Plain topography, adequate water and forage availability, good crown cover and contagious nature of forest patches enable elephants to prefer this habitat for longer presence as compared to other range. The Rail Line cuts through this crucial habitat, at times even at elephant regular crossing points. User agency seriously should take into account these elephant crossing points and strips width while designing its project. UA should give enough porosity for elephant movement by way of raising its rail line heights at crucial elephant crossing and strips in addition to overpasses and underpasses wherever necessary for wild elephants to keep the thriving habitat and its population viable for unhindered gentic exchange and population evoluation in Chhattishgarh. Neither RET species nor archaeological and historical sites gets affected

<table>
<tr><td></td><td></td><td>by the project. The requested land is necessary and minimum for the project. UA has not violated FCA rules.</td></tr>
<tr><td>5</td><td>Details of displacement of people due to the project :</td><td>833</td></tr>
<tr><td>I</td><td>Total number of families involved in displacement</td><td>242</td></tr>
<tr><td>II</td><td>Number of scheduled caste/Scheduled tribe families involved in displacement</td><td>206</td></tr>
<tr><td>III</td><td>Detailed rehabilitation plan.</td><td>Attached as Page No -</td></tr>
<tr><td>6</td><td>Details of compensatory afforestation scheme : -</td><td></td></tr>
<tr><td>I</td><td>Details of non forest area/ degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each</td><td>
<table>
<tr><th>Sl No</th><th>Division</th><th>Range</th><th>Compartment No.</th><th>Proposed Area (Ha.)</th></tr>
<tr><td>1</td><td>Katghora</td><td>Kendai</td><td>PF 312</td><td>100.000</td></tr>
<tr><td>2</td><td>Katghora</td><td>Kendai</td><td>PF 313</td><td>50.000</td></tr>
<tr><td>3</td><td>Katghora</td><td>Kendai</td><td>PF 314</td><td>85.000</td></tr>
<tr><td>4</td><td>Katghora</td><td>Kendai</td><td>PF 316</td><td>20.000</td></tr>
<tr><td>5</td><td>Katghora</td><td>Kendai</td><td>PF 317</td><td>40.000</td></tr>
<tr><td>6</td><td>Katghora</td><td>Kendai</td><td>PF 318</td><td>20.000</td></tr>
<tr><td colspan="4">Total Area (Ha.)</td><td>315.000</td></tr>
</table>
</td></tr>
<tr><td>II</td><td>Map showing non forest /degraded forest area identified for compensatory afforestation and adjoining forest boundaries.</td><td>Attached as Page No -</td></tr>
<tr><td></td><td>Detailed compensatory, afforestation scheme including species to be planted, implementing agency, time schedule, cost structure etc.</td><td>Attached as Page No -</td></tr>
<tr><td>7</td><td>Details regarding transmission line (only for transmission line proposal)</td><td>NA</td></tr>
<tr><td>I</td><td>Total length of the transmission line.</td><td>NA</td></tr>
<tr><td>II</td><td>Length passing through forest area</td><td>NA</td></tr>
<tr><td>III</td><td>Right of way.</td><td>NA</td></tr>
</table>

IV	Number of towers to be erected.	NA
V	Numbers of towers to be erected in forest area.	NA
VI	Height of transmission towers.	NA
8	Details of irrigation Hydel Project (only for irrigation /Hydel project)	NA
I	Total catchment area	NA
II	Total command area	NA
III	Full reserve area	NA
IV	High flood level.	
	Minimum Drawal level	NA
VI	Break-up area falling in catchment area of the project, (Forest land, cultivated land, pasture land, human cultivation others)	NA
VII	Area of submergence at high flood level.	NA
VIII	Area of submergence at full Reservoir level.	NA
IX	Area of submergence at 2 metre below full Reservoir level.	NA
X	Detailed catchment outlays and details regarding availability of funds for catchment area treatment plant.	NA
9	Details regarding Road /Railway Line (Only for Road /Railway lines proposal)	
I	Length and width of the strip and forest area required.	Forest Area Length 12938 Meter and Min. width 1 Meter and Maximum width 212 Meter
II	Total length of the Railway Line.	61.082 KM

III	Length of the Railway Line already constructed.	0.000 M.
IV	Length of the Railway Line passing through the forest,	12938 Meter
10	Details regarding mining proposal (Only for mining proposal)	
I	Total mining lease area and forest required.	NA
II	Period of mining lease proposed	NA
III	Estimated reserve of each mineral/ore in the forest area and in the non-forest area.	NA
IV	Annual estimated production of mineral/ore	NA
V	Nature of mining operation (open cast/underground)	NA
VI	Phased reclamation plan.	NA
VII	Gradient of the area where mining would be undertaken.	NA
VIII	Copy of the lease deed (to be attached only for renewal purpose)	NA
IX	Number of laborers to be employed	NA
	Area of forest land required for:	
	a) Mining	NA
	b) Storing mineral/ore;	NA
	c) Dumping of Overburden.	NA
	d) Surface corridor including green belt and safety zone	NA
	e) Nallah corridor including safety distance	NA

	f) Others constrained and inaccessible area	NA
	g) Undisturbed area	NA
X	Reasons why any of the activities, referred to in (a) to (g) above under the project for which forestland has been asked for cannot be undertaken/ located outside forest area.	NA
XI	The extent of damage likely to be caused and the number of trees affected on account of mining and related activities.	NA
XII	Distance of the mining area from perennial water courses national and state highway, national parks, sanctuaries and biosphere reserve.	NA
XIII	Procedure for stocking of the top soil for reuse.	NA
XIV	Extent of subsidence expected in underground mining operation and its impact on water, forest and other vegetation.	NA
11	Cost-benefit analysis.	Attached as Page No -
12	Whether clearance from environmental angle is required (Yes/no)	No
	If Yes, Whether requisite details for the same have been furnished (Yes/no)	No
13	Whether any work in violation of the Act has been carried out (Yes/No) If Yes,	No
I	Details of the same including date of commencement.	No

II	Officers responsible for violation of the Act.	No
III	Action taken/being taken against erring officers.	No
IV	Whether work in violation of the Act is still in progress.	No
14	Any other information.	No
15	Details of Certificates/documents enclosed	Attached as Page No -
16	Detailed opinion of the Chief Conservator of Forest /Head of the forest department concerned covering the following aspects, namely:	
I	Out-turn of timber, fuel wood and other forest produce from the forest land involved.	Timber = 922.315 cubic meters Fuel wood = 1165.605 cubic meters
II	Whether the district is self-sufficient in timber and fuel wood, and	Sufficient quantity of timer and fuel wood is available in the district.
III	The effect of the proposal on a) Fuel wood supply to rural population b) Economy and livelihood of the tribal and backward communities.	Since the Proposed Forest area of diversion is 97.667 Ha. Hence it will not 1) Effect the fuel wood supply to rural population 2) No effect on livelihood
IV	Specific recommendations of the chief Conservation of Forest/Head of the forest department for acceptance or otherwise of the proposal with reasons thereof.	To be attached by CCF/HOFF

Certified that all other alternative for the purpose have been explored and other demand for the required area is the minimum demand for forest land.

Signature of the authorized
Officer of the state Government Authority

उप वनमंडल अधिकारी
धरमजयगढ़ वन मंडल
जिला रायगढ़ (छ.ग.)

प्रस्तावित ईस्ट रेल कारीडोर परियोजना फेस – II में प्रस्तावित उरगा से धरमजयगढ़ तक लगभग 62 कि.मी. ब्रॉड गेज रेल लाईन निर्माण हेतु वनमंडल – धरमजयगढ़ के वन परिक्षेत्र – छाल एवं धरमजयगढ़ में पाये जाने वाले वनस्पतियों का विवरण

DETAILS OF FLORA

वृक्ष प्रजातियां: **TREE SPECIES**			
क्रं	स्थानीय नाम	वैज्ञानिक नाम	कुल (Family)
1	सागौन	Tectona grandis	Verbenaceae
2	साल / सरई	Shorea robusta	Dipterocarpaceae
3	साजा	Terminalia tomentosa	Combretaceae
4	बीजा	Pterocarpus marsupium	Leguminosae
5	तिन्सा / तिल्सा	Ougeinia oojeinensis	Leguminosae
6	धामन	Grewia tilliaefolia	Tilliaceae
7	धावडा / धौरा	Anogeissus latifolia	Combretaceae
8	धोबिन	Dalbergia paniculata	Leguminosae
9	धवई	Woodfordia floribunda	Lythraceae
10	बहेडा	Terminalia belerica	Combretaceae
11	कर्रा	Cleistanthus collinus	Euphorbiaceae
12	कारी	Saccopetalum tomentosum	Annonaceae
13	कसई / कसही	Bridelia retusa	Euphorbiaceae
14	कुम्भी	Careya arborea	Mayrtaceae
15	महानीम	Ailanthus excelsa	Simarubiaceae
16	भिर्रा	Chloroxylon swietenia	Meliaceae
17	सलिहा / सलई	Boswellia serrata	Burseraceae
18	ऑवला	Embelica officinalis	Euphorbiaceae
19	आमटी	Bauhinia malabarica	Leguminosae
20	खम्हार	Gmelina arborea	Verbenaceae
21	खैर	Acacia catechu	Leguminosae
22	बरगद	Ficus bengalensis	Moracaeae
23	बेर	Zizyphus mauritiana	Rhamnaceae
24	कोहा	Terminalia arjuna	Combretaceae
25	करंज	Pongamia pinnata	Leguminosae

26	कुसुम	Schleichera oleosa	Sapinadaceae
27	महुआ	Madhuca indica	Sapotaceae
28	भेलवा	Semecarpus anacardium	Anacanrdiaceae
29	पीपल	Ficus religiosa	Moraceae
30	पलास / परसा	Butea monosperma	Leguminosae
31	सेन्हा	Lagerstroemia parviflora	Lythraceae
32	रोहिना	Soymida febrifuga	Meliaceae
33	तेन्दु	Diospyros melanoxylon	Ebenaceae
34	चार / अचार	Buchnania lanzan	Anacardiaceae
35	जामुन	Syzygium cuminii	Myrtaceae
36	नीम	Azadirachta indica	Meliaceae
37	आम	Mangifera indica	Anacardiaceae
38	हर्रा	Terminalia chebula	Combretaceae
39	कचनार	Bauhinia variegata	Leguminosae
40	केकड	Garuga pinnata	Burseraceae
41	केवलार	Bauhinia purpurea	Leguminosae
42	माच	Hymenodictyon excelsum	Rubiaceae
43	बबूल	Acacia arabica	Leguminosae
44	ईमली	Tamarindus indica	Leguminosae
45	बेल	Aegle marmelos	Rutaceae
46	गूलर	Ficus glomerata	Moraceae
47	शीशम	Dalbergia latifolia	Leguminosae
48	सेमल	Bombax ceiba	Malvaceae

उपवन मण्डलाधिकारी
धरमजयगढ़, उपवन मण्डल

वन परिक्षेत्राधिकारी
धरमजयगढ़

वन परिक्षेत्राधिकारी
छाल

RANGE OFFICER
Range - Chhal
Division - Dharamjaigarh

वन मण्डलाधिकारी
धरमजयगढ़ वन मण्डल
जिला रायगढ़ (छ.ग.)

प्रस्तावित ईस्ट रेल कारीडोर परियोजना फेस – II में प्रस्तावित उरगा से धरमजयगढ़ तक लगभग 62 कि.मी. ब्रॉड गेज रेल लाईन निर्माण हेतु वनमंडल – धरमजयगढ़ के वन परिक्षेत्र – छाल एवं धरमजयगढ़ में पायें जाने वाले जीव जंतुयो का विवरण

DETAILS OF FAUNA

स्तनपायी: **MAMMALS**			
क्रं	स्थानीय नाम	अंग्रेजी नाम	वैज्ञानिक नाम
1	भालू	Sloth Bear	Melursus ursinus
2	जंगली सुअर	Wild Boar	Sus scrofa
3	लोमडी	Indian Fox	Vulpus benghalensis
4	चूहा	Field Rat	Bandicotabenghalensis
5	खरगोश	Common Indian Hare	Lepusruficaudatus
6	बंदर	Monkey	Macaca mulatta
7	नेवला	Mongoose	Herpetes edwardsi
8	लंगूर	Common langur	Prebytisantellus
9	जंगली बिल्ली	Jungle cat	Felischaus
10	चीतल	Spotted Dear	Axis axis
11	हुरा/लकडबगघा	Hyaena	Hyaena Hayena
12	गिलहरी	Squirrel	Funambulus pennanti
13	चमगादड	Shortnosed Fruit Bat	Cynopetrus sphinx
14	शाही	Indian Porcupine	Hystrixindica
15	कोटरी	Indian Muntjak	Muntiacus muntjak
16	चूहा	Common House Rat	Rattusrattus
17	गीदड,सियार	Jackal	Canisaurus
18	तेंदुआ	Panther	Pantherapardus
19	हाथी	Elephant	Elephas maximus

वन परिक्षेत्राधिकारी
धरमजयगढ़

वन परिक्षेत्राधिकारी
छाल

RANGE OFFICER
Range - Chhal
Division - Dharamjaigarh

वन मण्डलाधिकारी
धरमजयगढ़ वन मण्डल
जिला रायगढ़ (छ.ग.)