

FORM-IV

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

1	Project details :	
I.	Short narrative of the proposal and project/scheme for which the forest land is required.	Diversion of forest land for non forest purpose under Forest Conservation Act, 1980 in Khairagarh, Balouda bazar, Bilaspur, Korba, Janjgir-Champa, and Raigarh Forest division in Proposed for Laying of Natural Gas Pipeline from Nagpur to Jhasrsuguda Under Mumbai-Nagpur-Jhasrsuguda Pipeline Project (MNJPL Project) for Gail India Limited Area- 15.6909 ha. regarding.
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 Conservator of Forests).	Enclosed
III.	Total cost of the project.	Rs. 144689 lacs
IV.	Justification for locating the project in the forest area giving alternatives examined and reasons for their rejection.	During Selection of the proposed Route of Natural Gas Pipeline utmost emphasis was given to aligement of the Route through Non-forest land and revenue land where ever it was not possible to avoid the forest land in this pipeline construction. It was fully ensured that the Route passes through Minimum forest land and minimum tree felling and comply all other technical aspects of Laying of natural Gas Pipeline line.
V.	Financial and social benefits.	<p>The Project will provide Cleanner Fuel stock for the industries and the population in the region and thus will help improve the environment considerably while inducing development.</p> <p>Transportation of Natural Gas by pipeline is comperatively less expensive than other modes of transport both in capital and operating cost.</p> <p>This will ensure that this alternative source of energy is available to the consumers at a lower cost.</p>
VI.	Employment generated.	<p>Permanent Employment Generated 20 nos.</p> <p>Temporary Employment Generated 300 nos.</p>
2	Location of the project/scheme:	
I.	Sate/Union territory.	Chhattisgarh
II.	District.	Raigarh

III.	Forest Division, Forest Block, Compartment etc.	Raigarh, Gajmar Forest Block Compartment No. 1009RF, 1010RF Range- Raigarh. Kharsia, Temtema Forest Block Compartment No. 1187PF		
3	Item-wise break-up of the total land required for the project /scheme along with its Existing land use.	S. No.	Perticulars	Total Land (ha.)
		(A)	Reserve Forest land	0.7970
		(B)	Protected Forest land	0.1517
		(C)	Revenue Forest land	2.6271
			Total :-	3.5758
4	Details of forest land involved :			
I.	Legal status of the forest (namely, reserve, protected/ in classed etc.)	Reserve Forest land : 0.7970 ha. Protected Forest land: 0.1517 ha. Revenue Forest land : <u>2.6271 ha.</u> Total:- 3.5758 ha.		
II.	Details of flora and fauna existing in the area.	Enclosed		
III.	Density of vegetation.	0.1 to 0.6		
IV.	Species-wise and diameter class wise abstract of trees.	Enclosed		
V.	Vulnerability of the forest area to erosion, whether it forms a part of a seriously eroded area or not.	No, It does not form a part of a seriously eroded area.		
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)	No, Gas pipeline is not passing from national park, wild life sanctuary, nature reserve & biosphere reserve.		
VII.	Item-wise break-up of the forest land required for the project/scheme for different purposes.	Reserve Forest land : 0.7970 ha. Protected Forest land: 0.1517 ha. Revenue Forest land : <u>2.6271 ha.</u> Total (3.5758 ha.) required for the purpose of laying of Gas pipeline		
	Rare endangered species of flora and fauna found in the area.	No found the Rare endangered species of flora and fauna in the project area.		
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.	No		
5	Details of displacement of people due to the project:			
I.	Total number of families involved in displacement	No, people will displaced due to the project.		
II.	Number of Scheduled Caste/Scheduled tribe families' involved in displacement	NA		
III.	Detailed rehabilitation plan.	NA		
6	Details of compensatory afforestation scheme			
I.	Details of non-forest area/degraded forest	Enclosed		

	area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.	
II.	Map showing non- forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.	Enclosed
III.	Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.	Enclosed
IV.	Total financial outlay for compensatory afforestation scheme	Rs. 1,58,18,166.00
V.	Certificates from competent authority regarding suitability of area identified for compensatory afforestation for afforestation and from management point of view. (To be signed by an officer not below the rank of deputy conservator of forests)	Enclosed
7	Details regarding Transmission Lines (only for transmission Line Proposal)	
I.	Total length of the Transmission Line.	NA
II.	Length passing through forest area	NA
III.	Right of way.	NA
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)	
I.	Total catchment area.	Not applicable
II.	Total command area	
III.	full reservoir Level.	
IV.	High Flood Level.	
V.	Minimum Drawal Level.	
VI.	Break-up area falling in catchment area of the project, (Forest land, cultivated land, pasture land, human cultivation, others)	
VII.	Area of submergence at high flood level.	
VIII.	Area of submergence at full Reservoir level.	
IX.	Area of submergence at 2 metre below full Reservoir Level.	

X.	Area of submergence at 4 metre below full Reservoir Level (For Medium and major projects only).	
XI.	Area of submergence at high flood level.	
XII.	Area of submergence at full Reservoir level.	
XIII.	Area of submergence at 2 metre below full Reservoir Level.	
XIV.	Area of submergence at 4 metre below full Reservoir Level (For Medium and major projects only).	
XV	Area of submergence at minimum Drawal Level.	
X	Detailed catchment outlays and details regarding availability of funds for Catchment area treatment Plant.	
9	Details regarding Road/Railway Lines (Only for Road/Railway lines proposal)	
I.	Length and width of the strip and forest area required.	Not applicable
II.	Total Length of the road.	
III.	Length of the road already constructed.	
IV.	Length of the road passing through the forest,	
10	Details regarding mining proposal (Only for mining proposal)	
I.	Total mining lease area and forest required.	Not applicable
	Period of mining lease proposed.	
III.	Estimated reserve of each mineral/ore in the forest area and in the non-forest area.	
IV.	Annual estimated production of mineral/ore.	
V.	Nature of mining operation (open cast /underground)	
VI.	Phased reclamation plan.	
VII.	Gradient of the area where mining would	

	be undertaken.	
VIII.	Copy of the Lease Deed (to be attached only for renewal purposes)	
IX.	Number of laborers to be employed.	
	<u>Area of forest land required for:</u>	
	a) Mining	
	b) Storing mineral/ore;	
	c) Dumping of overburden.	
	d) Storing tools and machinery.	
	e) Construction of building power stations, workshop, etc.	
	g) Construction of road/ropeway/railway lines.	
	h) Full land use plan of forest area required.	
X.	Reasons why any of the activities, referred to in (a) to (h) above under the project for which forestland has been asked for cannot be undertaken / located outside forest area.	
XI.	The extent of damage likely to be caused and the number of trees affected on account of mining and related activities.	
XII.	Distance of the mining area from perennial water courses national and State highway, national parks, sanctuaries and biosphere reserves.	
XIII.	Procedure for stocking of the top soil for reuse.	
XIV.	Extent of subsidence expected in underground mining operations and its impact on water, forest and other vegetation.	
11	Cost-benefit analysis.	Not applicale
12	Whether clearance from environmental angle is required (Yes/No)	No, Since Gas Pipeline are environmentally clean and non-polluting in nature without any mmmission so, environmental clearence is not required as it is not coming under EIA notification also.

	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.	Not applicable
II.	Officers responsible for violation of the Act.	Not applicable
III.	Action taken/being taken against erring officers.	Not applicable
IV.	Whether work in violation of the Act is still in progress.	Not applicable
14	Any other information.	No
15	Details of Certificates/ documents enclosed	Enclosed
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.	
II.	Whether the district is self - sufficient in timber and fuel wood, and	Sufficient quantity of Timber & Fule 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 only 3.5758 ha. hance it will not (a) effect the fuel Wood supply to rural Population. (b) No effect on Livelihood.
IV.	Specific recommendations of the chief Conservator of Forests/ Head of the forest Department for acceptance or otherwise of the proposal with reasons thereof.	The Proposal can be accepted.

Certified that all other alternatives 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
राज्य सरकार
राज्य सरकार

कंडिका क्रमांक-07 form no.IV S.No. 4-II Details of flora and fauna
Existing in the area

FLORA

(A)	वृक्ष	(TREES)
(B)	झाड़ियां एवं शाक	(Shrubs & Herbs)
(C)	बेलाएं एवं परजीवी	(Climbrers & Parasitis)
(D)	बांस, घास एवं बेलाएं	(Bamboos, Grasses & Sedges)

FAUNA

(A)	वन्य प्राणी	(Animals)
(B)	सरीसृप	(REPTILES)
(C)	पक्षियां	(Birds)

उपरोक्त जानकारी संलग्न है।

वनमंडलाधिकारी
 रायगढ़ वन मंडल रायगढ़

उप वनमंडलाधिकारी
 रायगढ़ (छ.ग.)

उपवृक्षमंडलाधिकारी
 घरघोड़ा उपवनमंडल

वन परिक्षेत्राधिकारी
 रायगढ़ परिक्षेत्र

वन परिक्षेत्र अधिकारी
 खरसिया

कंडिका क्रमांक-07

Flora Detail

वृक्षों के प्रकार	प्रजाति	वैज्ञानिक नाम
घास प्रजातियां (चारे योग्य) (निम्न रोह)		
	भुरभुसी	Eragrostis tenella
	फुलबाहरी	Thysanolaena maxima
	दूब	Cynodon dactylon
	शुक्ला घांस	Heteropogon contortus
घास प्रजातियां (अखाद्य) (निम्न रोह)		
	कुकुर लटकना	NA
	छिंद	Eulali trispicata
झाड़ियां (निम्न रोह)		
	जमरासी	Elaeodendron glaucum
	धवई	Woodfordia floribunda
	घोटिया	NA
	खिरसाली	Nyctanthes arbortristis
	पलास	Butea monosperma
	खैर	Acacia catchu
शीर्ष स्तरीय वन		
	बहेड़ा	Terminalia belerica
	सागौन	Tectona grandis
	मुन्डी, कलमी, क्रेम	Mitragyna parvifolia
	बीजा	Pterocarpus marsupium
	सेमल	Salmalia malabarica
	हर्रा	Terminalia chebula
	सलाई	Boswellia serrata
	मोदे, मोयन, छिंगन, गुपीद	Lannea cormandalica

	धावड़ा	Anogeissus latifolia
	साजा	Terminalia tomentosa
शाक (निम्न रोह)		
	पंवार	Sehima sulcatum
अधः स्तरीय वन	अमलतास	Cassia fistula
	लेण्डिया	Lagerstroemia parviflora
	अचार	Buchnanan lanzan
	हर्रा	Terminalia chebula
	पापड़ा	Garenia latifolia
	भिर्रा	Chloroxylon swietenia
	चार	Buchnanan lanzan
	कर्रा	Cleistanthus collinus
	आंवला	Emblica officinalis
औषधीय / मुख्य लघु वनोपज		
	बहेड़ा	Terminalia belerica
	हर्रा	Terminalia chebula
	महुआ	Madhuca indica
	तेंदू	Diospyros melanoxylon
लताएं (निम्न रोह)		
	केवटी	NA
	बोदल	NA
	दूधी, चिरोल	Holoptelia integrifolia
	भांदर, बैला	Colebrookia oppositifolia

उप वनमण्डलाधिकारी
रायगढ़ (छ.ग.)

उपवनमण्डलाधिकारी
घरघोड़ा उपवनमण्डल

वनमण्डलाधिकारी
रायगढ़ वन मंडल रायगढ़

वन परिक्षेत्राधिकारी
रायगढ़ परिक्षेत्र

वन परिक्षेत्र अधिकारी
खरसिया

Fauna Detail

क्र.	वन्य प्राणी/पक्षी का नाम	वैज्ञानिक नाम
1	लंगूर	Presbytis entellus
2	बन्दर	Macaca mulatta
3	लकड़ बग्गा	Hyaena hyaena
4	नेवला	Herpestes edwardsi
5	गीदड़/सियार	Canis aureus
6	लोमड़ी	Vulpes bengalensis
7	गिलहरी	Funambulus pennanti
8	चूहा	Bandicota bengalensis
9	साही	Hystrix indica
10	खरगोश	Lepus nigricollis
11	सूअर	Sus scrofa
12	कोटरी, भड़की	Muntiacus muntjak
13	काला तीतर	Francolinus franco-linus
14	बटेर	Coturnix coturnix
15	जंगली मुर्गी	Gallus gallus
16	तोता	Psittacula eupatria
17	कोयल	Eudynamys scolopacea
18	मैना	Aeridotheres tristis

उप वनमंडलाधिकारी
रायगढ़ (छ.ग.)

वन परिक्षेत्राधिकारी
रायगढ़ परिक्षेत्र

उप वनमंडलाधिकारी
घरघोड़ा उपवनमंडल

वन परिक्षेत्राधिकारी
खरसिया
वन परिक्षेत्राधिकारी
रायगढ़ परिक्षेत्र

वनमंडलाधिकारी
रायगढ़ वन मंडल रायगढ़