

**PART - II**

(To be filled by concerned Deputy Conservator of Forest)

State Serial No. of the Proposal: **-53/2021****7. Location of the Project/Scheme:**

(i) State/Union Territory	Bihar
(ii) District	Nalanda
(iii) Forest Division	Nalanda Forest Division, Biharsharif
(iv) Area of Forest Land Proposed for Diversion (in ha.)	0.705 ha.
(v) Legal Status of Forest	

The Proposed project area is passing through notified protected forest i.e. Biharsharif -Rajgir Road (NH-82) and Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road (SH-71) in Nalanda District is Part of Rajgir range is notified as Protected Forest by Environment and Forest Department, Government of Bihar through vide S.O. No. 1647 E, dated 20.12.1994 in which the present proposal for total about 0.705ha (as per field verification) is proposed for diversion. The project area passing through Biharsharif-Rajauli (NH-31) and Railway crossing to Ordinance Factory (RCD-link road ) is not part of Protected Forest land was excluded for area calculation after field verification. **(Notification of Forest land is annexed in Annexure 1 of Part II).** The legal status of the proposed forest land is as follows:-

Annexed in Annexure 1 of Part II: The legal status of the proposed forest land is as follows:-

Sl	Name of Road	Status of the Road	Name of the Section	Location		Type of Pipeline	Forest Land Length in M	Protecte d Forest Area in ha.
				Starting Point	End Point			
1	Biharsharif - Rajgir Road	NH-82	Silao to Rajgir chowk (Near Bus Stand)	Silao (Silao-Gauraur Road) (Bhui more)	Rajgir chowk (Near Bus Stand)	220 mm Steel pipe & 125 mm MDPE	6000	0.300
2	Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road	SH-71	Rajgir chowk to Bihar Police Academy, Rajgir	Rajgir chouk (Near Bus Stand)	Bihar Police Academy, Rajgir	110 mm Steel pipe 125 mm MDPE	6200	0.310
3			Rajgir chowk to Dhoni Tola	Rajgir chowk (Near Bus Stand)	Dhoni Tola	125 mm MDPE	1400	0.070
4			Ordinance Factory link road Starting point to OFN Gate	OFN, Rajgir Link Road Starting Point (SH-71)	OFN, Rajgir main gate at	110 mm Steel pipe	500	0.025
Total							14100	0.705

**(vi) Density of Vegetation**

**0.1** (Many stretches in the proposed area is devoid of major trees with canopy formation. No endangered and rare tree/ species found in the proposed area. Density of Vegetation is approximately 0.1 for the purpose of NPV calculation. In most of the places the shrubs, weeds and grass of grazing height only present in the proposed alignment.

**(vii) Species-wise (Scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation/hydel projects enumeration at FRL-1, FRL-2 meter & FRL-4 meter also to be enclosed.)**

No trees are proposed for felling. The user agency attached the certificate regarding no tree felling involvement in this proposal. In declaration the user agency stated that no tree felling/ cutting will be involved in laying/ construction of natural gas steel pipeline network. During the inspection the user agency informed that the pipeline will be aligned in the manner so that no trees required felling or pruning etc and where the densely populated area/ non feasible area to do open trench the pipeline will be laid by HDD method.

b



(viii) Brief note on vulnerability of the forest area to erosion	Generally the project area vulnerable to medium soil erosion due to intrinsic geological features of the substrate during rainy season.
(ix) Approximate distance of proposed site for diversion from boundary of forest	<p>The proposed area is notified as protected forest area as falls under ROW of different road. The proposed diversion of land in Bihar Sharif -Rajgir Road (NH-82) is situated 6 km from Ghorakatora PF and Ragir PF is 1.5 KM in the Rajgir range. The proposed diversion of land in Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road is situated 2 km from Ghorakatora PF and 0.8 KM from Ragir PF in the Rajgir range.</p> <p>The area situated approximately 0.8 km from the boundary of Rajgir Wildlife Sanctuary at Rajgir which is out of boundary the Eco-sensitive zone of Rajgir Wildlife Sanctuary.</p> <p>The project area (Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road -SH-71) from Rajgir to Police Academy while passing through village Pilkhi (within 3km) is falls under the Eco-sensitive zone of Rajgir Wildlife Sanctuary.</p> <p>As per the final notification of the Eco sensitive Zone (S.O. 71(E) [09.01.2017] Final Notification declaring Eco Sensitive Zone around Rajgir Wildlife Sanctuary, Bihar) an area up to 3 km in all villages and up to 100 m in Nagar Panchayat, Rajgir, from the boundary of the protected area of the Rajgir WLS, Rajgir has been notified as an Eco-sensitive Zone.</p> <p>From Bihar Sharif range where non Forest area is involved nearest natural forest boundary is situated approximately 18 km.</p>
(x) Whether forms part of National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. (If so, the details of the area and comments of the Chief Wildlife Warden to be annexed.	<p>No. The proposed project area is only notified Protected forest and not forms part of any National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc.</p> <p>But, the project area (Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road -SH-71) from Rajgir to Police Academy while passing through village Pilkhi (within 3km) is falls under the Eco-sensitive zone of Rajgir Wildlife Sanctuary.</p>
(xi) Whether any rare/endangered/unique species of flora and fauna found in the area. If so, the details thereof.	<p>Nilgai is found naturally and free distributed across the Nalanda district in the forest as well as farm lands. Animals like jackal, Common macaque, Wild boar, Porcupine, common hare etc found in forest land of project area as well the nearest forest areas. The undersigned is of opinion that the instant proposed project will no way affect the distribution or movement of any wild animal found in the areas where it is found. The crop raiding Nilgai is also present adjoining areas of the Proposed project. Since the project area is prosed in the outer area of the Protected forest and does not have much influence on the animal movement.</p>
(xii) Whether any protected archeological/heritage site/defense establishment	As per my knowledge, the enquiry report of the Forest official and information provided user agency there is



or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.	no record of any protected archeological/heritage site/defense establishment or any other important monument located in the area of the proposed project site.  The nearest archeological/heritage site is Kila maidan, Rajgir (Ajata Shatru's Kila) is approximately situated around 120 meter from the proposed project alignment in Rajgir chowk to Dhoni Tola section of Ekangarsarai-Islampur-Rajgir-Giriyak-Parwatipur Road -SH-71 portion and around 200 meter from Bihar Sharif -Rajgir Road (NH-82).
8. Whether the requirement of forest lands as proposed by the user agency in Col. No. 2 of Part-1 is unavoidable and barest minimum of the Project. If no, recommended area item-wise with details of alternatives examined.	The requirement of forest land as proposed by the user agency in Col. No. 2 of Part – I is unavoidable and barest minimum of the project. Actual area involved in the project is 0.705 ha. The user agency annexed the certificate for requirement of minimum land for this project. While site inspection it is found to be only available option for completion of 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.	The User Agency has not violated the prescribed provisions of the Act. Agency has not started any work in violation of the Act in the proposed site.
10. Details of compensatory afforestation Scheme : (i) Details of non-forest area/degraded forest area identified for compensation.	The area of diversion is 0.705 ha. in the Nalanda Forest Division. For compensatory afforestation work actually will be carried out in the <b>Ghorakatora Forest Road</b> with 100 Iron Gabion. This plantation proposed in the 0.75 Km, both side of the road. The details Scheme along with GPS Reading attached with proposal.
(ii) Map showing Non-Forest/degraded Forest area identified for compensation.	Map for the CA along with GPS is attached with scheme.
(iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency. Time schedule, cost structure etc.	Model scheme for compensatory afforestation along with map Attached- <b>Annexure-II &amp; III</b> respectively. The species to be planted will be guided by the local soil factor. The proposed afforestation will be implemented by Nalanda Forest Division. The time schedule depends on the final approval (stage II) of this project.
(iv) Total Financial outlay for compensatory afforestation scheme.	Compensatory Afforestation (CA) : <b>Rs. 761659 /-</b> (Rs. Seven Lakh sixty one Thousand six hundred fifty nine only)
(v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests).	The Land Suitability Certificate Annexed as <b>Annexure-IV</b>
11. Site Inspection report of DCF specifically highlighting facts asked in Col. Nos. 7 (xi, xii), 8 & 9 above.	Attached- annexure-V
12. Division/District Profile : (i) Geographical area of the district.	2367 Sq.K.m.
(ii) Forest area of the district	46.30 Sq.km



(iii) Total Forest area diverted since 1980 with number of cases		277.3925 Ha in 32 proposals	
(iv) Total compensatory afforestation stipulated in the district/division since 1980 on:			
(a) Forest land including penal compensatory afforestation.			
Year	Status of land	Area of plantation (Ha/KM)	No. of Plants
2011-12	PF- Block plantation	10 Ha.	10000
2013-14	PF- Road side linear plantation	39.5 Km.	8000
2016-17	PF- Block plantation	1 Ha.	1250
2017-18	-	-	-
2018-19	PF- Block Plantation	1 ha	2500
2019-20	PF-Block plantation	24 ha	17000
2020-2021	Block plantation	4.785 ha	4785
2020-2021	Linear plantation	0.5km	50 gabion
(b) Non-Forest land		Linear Plantation - 342 Iron Gabion 2019-20- Non PF- Linear Plantation-0.5 km-50 iron gabion) 2020-21- Linear plantation -440 (Non Forest land)	
(v) Progress of afforestation as on (25.8.2020)		Maintenance work of previous year plantations are going on 24 ha -17000 plants 1250 plants 2018-19 - Maintenance is going on 1250-plants 2016-17- Maintenance work completed. 1250 plants- (other sources) - 2018-19 - Maintenance is going on 4835 plants maintenance work is going on.	
(a) Forest land			
(b) Non-Forest land		Compensatory afforestation works were completed - 342 Iron Gabion plantations (work completed). 2018-19 - 1900 Iron Gabion plantation- Maintenance (work completed). 50- Iron gabion of 2019-20 Maintenance is going on. 440 iron gabion Maintenance work is going on.	

**13. Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.**

This is the bare minimum forest land required for the project. The amount realized from the user agency in the form of NPV shall be utilized for conservation, protection, and management of forest in this division. The green belt will be created through the amount realized from the user agency as Compensatory afforestation work and it will help in the increasing green cover.

The proposed area involves diversion of 0.705 ha in Nalanda Forest Division, Bihar Sharif. This is the barest minimum of forest land required for the instant project and has no other alternative to by-pass. Diversion of these forest land areas for this project (non forestry activity) may not much affect the local flora of the area. The User Agency has not violated the prescribed provisions of the Act.

In the light of the above mentioned facts and keeping the fact that Nalanda District is fall under the rural area and as per the prescribed provisions I recommend positively for the approval of this instant proposal with necessary safety measures of CNG and PNG City Gas pipeline Distribution. Therefore this instant proposal for diversion of forest land may be approved with necessary conditions and directions.

Date: 28.04.2021

Place: Bihar Sharif



Signature ..... *[Handwritten Signature]*

Name: - Dr. Nesamani. K.  
Deputy Conservator of Forest  
Nalanda Forest Division, Bihar Sharif