

PART - II

(To be filled by concerned Deputy Conservator of Forest)

State Serial No. of the Proposal: **-91/2018**

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.)	0.4938 HA.
(v) Legal Status of Forest	<p>The Proposed project area is situated within Rajgir protected Forest notification C/F-7068-3438.R.O.No. CF17069/55-3966, dated 19th December 1955 in which the present proposal for total about 0.4938 ha is submitted for diversion. The proposed area is also part of Rajgir WLS was notified as Rajgir Wildlife Sanctuary (WLS) under section 18 of the Wildlife (Protection) Act 1972 vide S. O. No 727 dated 25.05.1978. This sanctuary was subsequently renamed 'Pant Wildlife Sanctuary, Rajgir' vide Forest and Environment Department, Government of Bihar Notification No. 4118 dated 13.09.1988. Final notification of this sanctuary has been carried out (No 181, 21/5/2010). The Department of Environment and Forests, Government of Bihar vide Resolution No. Vanya Prani-01/2010 177 (E)/ Patna-15 dated 29.03.2016 again renamed Pant Wildlife Sanctuary as Rajgir Wildlife Sanctuary.</p> <p>The proposal forest land are notified as protected forest and falls within the Rajgir Wildlife Sanctuary and 0.006069 ha was Gov. land allotted to Gurananak Sheetal Kund but part of Eco-sensitive zone of Rajgir Wildlife Sanctuary. As per the final notification of the Eco sensitive Zone (S.O. 71(E) [10.01.2017] Final Notification declaring Eco Sensitive Zone around Rajgir Wildlife Sanctuary, Bihar) an area up to 1 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>(Notification annexed in Annexure 1 of Part II).</p>
(vi) Density of Vegetation	0.2

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(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.)

The area of diversion of 0.4938 ha user agency requires forest land does not proposed for felling of any tree species presence. Since the user agency proposed for development for existing structures, no need of damage if any Forest Land. No endangered and rare tree/ species found in the proposed area. In all places the weeds and grass of grazing height also person present and few ornamental plants and common trees like neem, Eucalyptus present in the site. Density of Vegetation is approximately 0.2 for the purpose of NPV calculation. But totally 43 trees of different species found in the proposed location is as follows:

Sl. No.	Species	Girth in cm.
1.	<i>Eucalyptus spp</i>	50
2.	<i>Dalbergia sissoo</i>	46
3.	<i>Eucalyptus spp</i>	140
4.	<i>Eucalyptus spp</i>	220
5.	<i>Eucalyptus spp</i>	178
6.	<i>Eucalyptus spp</i>	170
7.	<i>Eucalyptus spp</i>	150
8.	<i>Mangifera indica</i>	193
9.	<i>Dalbergia sissoo</i>	198
10.	<i>Saraca asoca</i>	80
11.	<i>Mangifera indica</i>	140
12.	<i>Emblica officinalis</i>	133
13.	<i>Dalbergia sissoo</i>	141
14.	<i>Cassia fistula</i>	130
15.	<i>Azadirachta indica</i>	85
16.	<i>Azadirachta indica</i>	86
17.	<i>Cassia fistula</i>	85
18.	<i>Albizia lebbek</i>	130
19.	<i>Albizia lebbek</i>	130
20.	<i>Azadirachta indica</i>	78
21.	<i>Cassia fistula</i>	79
22.	<i>Cassia fistula</i>	45
23. to 35	<i>Azadirachta indica</i> -13 trees	45
36 to 43	<i>Azadirachta indica</i> -8 trees	20

The major forest type of the surrounding proposed area 5/DS1 Dry Deciduous Scrub Forests and the predominant 5B/C2 Northern Dry Mixed Deciduous Forests.

(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

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	<p>(Protection) Act 1972 vide S. O. No 727 dated 25.05.1978.</p> <p>The proposal forest land are notified as protected forest and falls within the Rajgir Wildlife Sanctuary and 0.006069 ha was gov. land allotted to Gurunanak Sheetal Kund but part of Eco-sensitive zone of Rajgir Wildlife Sanctuary. As per the final notification of the Eco sensitive Zone (S.O. 71(E) [10.01.2017] Final Notification declaring Eco Sensitive Zone around Rajgir Wildlife Sanctuary, Bihar) an area up to 1 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>(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>	<p>The proposed project area is part of Rajgir Wildlife Sanctuary. For obtaining Wildlife clearance the proposal already submitted to CWLW. The entire area proposed for diversion i.e. 0.4938 ha is falls under sanctuary area.</p>
<p>(xi) Whether any rare/endangered/unique species of flora and fauna found in the area. If so, the details thereof.</p>	<p>No endangered and rare tree/ species found in the proposed area. 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. So far no such any cases of wildlife death reported in the in the proposed site. In fact this location very close to main area of Rajgir town the movement of animals are not reported. Since the site is a heritage site of Sikh Community with shrine consisting of an old Gurudwara and a small tank - named Guru Nank Shital Kund. It is believed that the progenitor of Sikhism - Guru Nanak Dev had visited this place during his lifetime centuries ago. This site in close vicinity of Brahmkund hot springs, another famous tourist site of Rajgir and situated opposite to Brahmakund Park.</p> <p>In This case there is no question of any possible alternative because this religious heritage destination of Sikh Community is existing at this location from historical times and is centuries old. Due to intense faith and sentimental attachment of the Sikh community, alternative site is not feasible.</p> <p>Surveys carried out by TERI (2015) indicated that the Sanctuary is endowed with a diversity and abundance of wildlife characteristic of the area. There are 28 species of larger mammals, over 183 species of birds, 39 species of reptiles, 11 species of amphibians, 13 species of fishes, 51 species of butterflies and 6 species of scorpions.</p> <p>Wild Boar (<i>Sus scrofa</i>), Neelgai (<i>Boselaphus tragocamelus</i>), Cheetal (<i>Axis axis</i>), Jungle fowl (<i>Gallus gallus murghi</i>), porcupine (<i>Hystrix indica</i>), Hare (<i>Lepus nigricollis</i>), Langur (<i>Semnopithecus entellus</i>), Monkey (<i>Macaca mulatta</i>), Jackal (<i>Canis aureus</i>) are the species</p>

	of vital importance in Rajgir Wildlife Sanctuary, Rajgir besides some of the endangered species like, Barking deer (<i>Muntiacus muntjak</i>), Python (<i>Python molurus molurus</i>) etc. are also found in the Sanctuary.
(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.	As per my knowledge, the enquiry report of the Forest As per field inspection Maniyar Math, Bimbisar jail, Chariot Wheel marks, Remains New Stupa, Cyclopean Wall protected archeological/heritage site etc. are the important monument located nearby area of the proposed project site.
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 0.4938 ha.
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.	<p>The User Agency has not violated the prescribed provisions of the Act. There is no record available in this office to find out exact period during which the existing structures were constructed. But during the year 2013 some construction works as were initiated by some of the Gurudwara people against them Forest Case 15-P/2013 (offence report no. 100988 dated 23.10.2013) was initiated their after the construction work stopped. Necessary legal action has been initiated against the violation. The forest case has been registered against the person; the trail is underway in the court of Chief Judicial Magistrate, Nalanda at Biharsharif.</p> <p>The existing structures namely Gurudwara building, Park/ Landscape, Guru Nanak Sheetal Kund, Langar Space - Open shade, Family House of sewadar/Rajgir, Guest Room, Toilets, Open Area (Court yard etc.) and parking area will be renovated are developed by the Agency. It is Sikh Pilgrimage where it is said that Guru nanak Came here is constructed a Gurudwara since 100 yrs. It is related to heartily religious manners. Many national & international Sikh & tourist come & visit this place.</p>
10. Details of compensatory afforestation Scheme :	The area of diversion is 0.4938 ha. in the Nalanda Forest Division. The area of diversion is below one ha. So, compensatory work actually will be carried out in the form of 500 Iron gabion in Ghora Katora Forest Road. The details Scheme as GPS Reading attached with proposal.
(i) Details of non-forest area/degraded forest area identified for compensation.	Scheme as GPS Reading attached with proposal.
(ii) Map showing Non-Forest/degraded Forest area identified for compensation.	Map for the CA 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- Annexure-II & III respectively. The species to be planted will be guided by the local soil factor. The proposed afforesattion 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) : Rs 2683662/- (Rs. Twenty Six Lac Eighty three Thousand six Hundred & sixty two 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 Annexure-IV			
11. Site Inspection report of DCF specifically highlighting facts asked in Col. Nos. 7 (xi, xii), 8 & 9 above.	Attached- annexure-V			
12. <u>Division/District Profile</u> :	2367 Sq.K.m.			
(i) Geographical area of the district.				
(ii) Forest area of the district	46.30 Sq.km			
(iii) Total Forest area diverted since 1980 with number of cases	272.0156 Ha in 29 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
	2018-19	PF- Block plantation	1 Ha.	2500
	2018-19	PF- Road side linear plantation	6 KM	1900
(b) Non-Forest land	Linear Plantation - 342 Iron Gabion			
(v) Progress of afforestation as on (01.6.2018)	Compensatory afforestation works were completed and maintenance work for 1 Ha. Block plantation, completion work in 2500 plants in block plantation and 1900 in linear plantation is going on.			
(a) Forest land				
(b) Non-Forest land	Compensatory afforestation works were completed and maintenance works for 342 Iron Gabion plantations is going on.			
13. Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.				
<p>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 and it will help in the increasing green cover.</p> <p>The site is a heritage site of Sikh Community with shrine consisting of an old Gurudwara and a small tank - named Guru Nank Shital Kund. It is believed that the progenitor of Sikhism - Guru Nanak Dev had visited this place during his lifetime centuries ago. This site in close vicinity of Brahmkund hot springs, another famous tourist site of Rajgir and situated opposite to Brahmakund Park.</p> <p>In This case there is no question of any possible alternative because this religious heritage destination of Sikh Community is existing at this location from historical times and is centuries old.</p>				

Due to intense faith and sentimental attachment of the Sikh community, alternative site is not feasible. The Sikh pilgrimage site is historical and already in use by Sikh community for centuries; in recent times, the Gurudwara building constructed believed to be approx 90 years ago with occasional extensions/expansions (No written proof available). State Government's Tourism department with support of the Sikh Community led by Gurudwara Prabandhak Committee, Takth Sri Harmandir Shahib, Patna city, Patna, is intends to develop and maintain the shrine with essential facilities etc. over an area of 0.4938 ha.

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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. So far no such any cases of wildlife death reported in the in the proposed road.

Surveys carried out by TERI (2015) indicated that the Sanctuary is endowed with a diversity and abundance of wildlife characteristic of the area. There are 28 species of larger mammals, over 183 species of birds, 39 species of reptiles, 11 species of amphibians, 13 species of fishes, 51 species of butterflies and 6 species of scorpions. Wild Boar (*Sus scrofa*), Neelgai (*Boselaphus tragocamelus*), Cheetal (*Axis axis*), Jungle fowl (*Gallus gallus murghi*), porcupine (*Hystrix indica*), Hare (*Lepus nigricollis*), Langur (*Semnopithecus entellus*), Monkey (*Macaca mulatta*), Jackal (*Canis aureus*) are the species of vital importance in Rajgir Wildlife Sanctuary, Rajgir besides some of the endangered species like, Barking deer (*Muntiacus muntjak*), Python (*Python molurus molurus*) etc. are also found in the Sanctuary.

There are no negative impacts due to the diversion of the area. Already rajgir is a tourist Place & this project area is already a tourist place since a long time. It is Sikh Pilgrimage where it is believed to say that Guru nank Came here and he constructed a Gurudwara since 100 yrs. It is related to heartily religious manners. Many national & international Sikh & tourist come & visit this place. This project will attract & grow the Bihar Tourism.

With the growth of pilgrimage in recent times the use area of the Gurudwara has increased and the essential and incidental visitor facilities have to be provided as it is impractical to provide such facilities outside and at location separate and distant from this heritage site with which the deep faith and sentiments of the Sikh community is intensely associated. The project proposal consists of providing such facilities over minimum required area (0.4938 ha) in the Rajgir Wildlife Sanctuary located just at its boundary, and also in the already tourism use zone of Rajgir town. In the light of the above mentioned facts and keeping the fact that as per the prescribed provisions I recommend positively for the approval of this instant proposal. Therefore this instant proposal may be approved with necessary conditions and directions. The user Agency has to obtain Wildlife Clearance also.

Date: 09.10.2018
Place: Biharsharif

Signature
Name: - Dr. Nesamani. K.
Deputy Conservator of Forest
Nalanda Forest Division, Biharsharif

