

Office of the Executive Engineer Karnataka Neeravari Nigam Limited No.3.Bhadra Canal Division, Malebennur-577530.

No:EE/KNNL/BCD-3/MBR/AE-2/

Date :

"То "

Deputy Commissioner of Forest, Forest Department, Bhadravathi.

Sir,

- Subject: Diversion of 12.1801 ha. of forest land in F.Sy.No.17(new Sy.No.20) of Ittigehalli village, Holehonnur Hobli, Bhadravathi Taluk, Shimoga District (Bhadravathi Forest Division) for construction of new tank with check dam & connectivity road for recharge of ground water in surrounding villages of Ittigehalli in favor of the Executive Engineer, Karnataka Neeravari Nigam Ltd (KNNL) No.3, Bhadra Canal Division, Malebennur.
- Ref:- 1) Proposal No. FP/KA/WATER/146299/2021
 - 2) Letter from Integrated Regional office, Ministry of Environment, Forest & Climate change, Bangalore vide Letter No. F.No. 4-KRC1385/2022-BAN/909 Date: 04.11.2022.
 - 3) Letter from Integrated Regional office, Ministry of Environment, Forest & Climate change, Bangalore vide Letter No. F.No. 4-KRC1385/2022-BAN/964 Date: 15.11.2022.

Adverting to the above subject the clarifications are submitted below as raised in reference 2 & 3 Letter.

Reference 2 : Your Office F. No. 4-KRC1385/2022-BAN/909 Dated : 04/11/2022

S1	Observation	Compliance
No		_
1	2	3
1	The KML file of the area under	The KML file of the area under submergence is
	submergence is shown as a	now corrected, and the actual area of submergence
	trapezoid, which may not truly	map is superimposed on the contours level map, by
	reflect the area under actual	this it is clearly indicating that, the actual area of
	submergence and accordingly the	submergence of watershed area is in between the
	Actual area required. Thus, the	maximum contour level of 629.50m and minimum
	KML file of the polygon showing	contour level of 620.00m, so that the extent of actual
	the actual area under submergence	area of submergence remains same (i.e., Polygon
	on a contour map and revised area	area = 10.1171ha) as previously shown in the map.
	requirement details may be	
	submitted.	



		" <u>Par</u> colu	TE:- The Ma <u>ivesh</u> ″ webs mn. Title of t <u>tours</u> ″.	ite in a	dditio	nal i	nforma	ation
2	The project involves utilization of both forests as well as non-forest land. Therefore, exact area of non- forest required for the project may be reworked and details may be furnished.	PRO area 95, 96 cons	N FOREST AI JECT IS AS G DETAILS OF NON-F 5, 97 & SY. NO.28 IN TRUCTION OF NEW JECTIVITY ROAD &	IVEN BEL Forest land r n ittigehalli v / tank with c	OW EQUIRE /ILLAGE HECK DA	D IN SY N FOR	NO. 12, 2	
			DESCRIPTION	SIZE (LENGTH X WIDTH) IN MTR		EXTENT IN Ha.	SY. NO.	VILLAGE
				139.60 M X 10.0	D0 M	0.1396	25 & 27	
		CONNECTIVITY ROAD FROM NON-FOREST AREA TO PROPOSED	184.20 M X 10.0	00 M	0.1842	28		
			18.60 M X 10.0	0 M	0.0186	95	ITTIGE	
			103.40 M X 10.0	D0 M	0.1034	96	HALLI	
				156.20 M X 10.0	00 M	0.1562	97	
			SOIL QUARRY	NA		2.0000	12	
			AREA IN Ha.			020		
			REST AREA AS GIVEN BE	~) FOF	R THIS	S PRO.	JECT
		OF IT	A DETAILS OF FORE ITIGEHALLI VILLAG CK DAM ALONG WI	E FOR CONSTRU	JCTION	OF NEW	-	-
		SL. NO	DESCRIPTION	SIZE (LENGTH X WIDTH) IN MTRS	EXTEN IN Ha.			AGE
		1	PROPOSED AREA FOR CHECK DAM	230.00 M X 1.00 M	0.0230	D		
		2	PROPOSED AREA FOR CONSTRUCTION OF NEW TANK	POLYGON	10.117	1 17 (20 NEW) іттіс	GEHALLI
		3	PROPOSED AREA FORCONNECTIVITY ROAD FROM NON- FOREST AREA TO PROPOSED TANK	2040 .00M X 10.00 M	2.0400		,	
			ΤΟΤΑ	L EXTENT IN Ha	12.180	1		



		& Area for Soil	quarry required fo Jploaded in " <u>Pari</u>	& forest area road or construction of <u>vesh</u> " website in
3	The details of the approach road such as length, width and also the cross-sectional drawing may be	APPROACH ROAD DETAILS OF FOREST AREA & NON-FOREST AREA GIVEN BELOW		
	provided.		OF ROAD LENGTH	T
		LAND DETAIL	LENGTH IN MTR	WIDTH IN MTR
			139.6M	10MTR
		NON-FOREST	184.2M	10MTR
		AREA	18.6M	10MTR
			103.4M	10MTR
			156.2M	10MTR
		FOREST AREA	2040M	10MTR
			2642 MTR Map's of Conn	10 MTR
		Area is Enclose Site.	d & Uploaded in SECTION DETAI	
			GE WAY	= 4 MTR
			EN SHOULDER (I	
			EN SHOULDER (F	-
		D) DRAIN (= 1 MTR
		E) DRAIN (KS)	= 1 MTR
		Connectivity ro	ad & Approach 1 orest Area is Encl	nl drawing of coad Required in osed & Uploaded
4	The details of dimensions of	The Cross-sect	ional details of	Earthen Bund
	earthen bund viz length, width (top		ven below. (It's Ta	
	as well as bottom) and cross-	Eart	hen nalla bund d	
	sectional drawing may be furnished	a) Length of	f bund = 18	88.00 mtr
		,	Vidth of bund = 32	7.82 mtr
		c) Top Wid	th of bund $= 4$.	.50 mtr



		NOTE:- Two Cross sectional drawing of earthen bund is Enclosed & Uploaded in " <u>Parivesh</u> " Web Site.
5	The details of soil quarry (earth excavation) for creation of pond and also the details of utilization of the excavated soil for bund construction/road Construction may be furnished.	 2.00 Ha Land Proposed For soil quarry area identified in Sy no. 12(old is 14) in Ittigehalli village. Along With Connectivity Road in sy no 22, 23, 24, 25 & sy no 80. Overall 40 to 50 percent of excavated soil from earthen bund portion is utilized for the construction of nalla bund and the balance excavated soil is utilized in the construction of road embankment & for earthen shoulders. NOTE:- The Soil quarry & road Maps are Enclosed & Uploaded in "Parivesh" Web Site.
6	All other technical drawings associated with the project may also be furnished to understand and substantiate the diversion area figures sought.	We submitted all the Project related Maps, contours map, c/s of road & c/s of earthen bund etc if any other details required related this project, we ready to give it / submit at any time.



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Reference 3 : Your Office F. No. 4-KRC1385/2022-BAN/964 Dated the 15/11/2022

S1 .	Observation	Compliance
No		
1	2	3
1	As per the title of the proposal, the purpose of the project is for recharge of ground water whereas category of the project is mentioned as "drinking water". The proposal also mentions that the water will be used for meeting the demand for irrigation for the paddy cultivation. The diversion of forest land is also sought for laying the pipeline up to the nearby village. Therefore, the actual purpose of the project, i.e., whether it is for irrigation or drinking water or for recharge of ground water may be specified.	The project scope is only to recharge the ground water, so that it helps to recharge the surrounding villages Bore wells, so the villagers can utilize the water either for Drinking purpose or for irrigation purpose. And Ittigehalli village not even having a single pond/tank, the entire livestock of this village is completely depends on bore well water only, so that by constructing this tank, it helps to recharge the ground water. Thus, it helps to refill the bore wells of agriculture lands also. <u>So that the title named as to "recharge ground water".</u> Earlier in this proposal we have planned to lift water from Tungabhadra River to new tank, so we marked pipeline in the forest sy.no as shown earlier, But after detailed study of hydrology, we came to know that, the rainfall in this area is good and that runoff yield is sufficient to fill the tank. So that the proposal of lifting scheme is dropped.
2	The alternatives examined with maps and reason for their rejection	Alternative option's Details & reasons. <u>Alternative Option-1</u> :- In this option the catchment area is very less, so that the runoff water is very low hence the chances of tank filling is also less. And also the command area of ittigehalli village is not exactly falls below the downstream side of this tank & nalla portion, so that possibility of ground water recharge is also doubtful in the command area so we reject this option. NOTE: - Alternative Option Map-1 is Enclosed & Uploaded In "Parivesh" web Site. <u>Alternative Option-2</u> :- In this option also the catchment area is very less, and also this area falls in the center portion of the forest land and it is far away from the ittigehalli village , moreover this location is not having connectivity road so that it is difficult for



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		peoples to take their livestock's for water drinking.
		Hence, we reject this option. NOTE :- Alternative Option Map-2 is Enclosed &
		Uploaded In "Parivesh" web Site.
		Oploaded In Tarivesh web Site.
		<u>Applied For FC Map</u> :- This location is having a catchment area of 3.65 sqkm and by knowing the rainfall details we get the sufficient runoff to fill the tank. Moreover, this location is technically more feasible to construct the tank (i.e., minimum bund length and maximum water storage). And also this location is very near to village and the approach road is also good and also the command area of ittigehalli village is exactly falls below the downstream side of this tank & nalla portion, so that possibility of ground water recharge is for sure, hence we consider it as best option.
		NOTE :- Applied For FC Map is Enclosed & Uploaded In "Parivesh" web Site.
3	It is mentioned that after Implementation of this project, in order to meet the gap in water availability and demand, water from Tunga River near Anaveri village will be lifted to the tank. It may be clarified whether the proposal is a separate project or part of the project to lift water from tunga river and supply to	Earlier in this project we have planned to lift water from Tungabhadra River near anaveri village to new tank to meet the gap in water availability and demand. But after detailed study of hydrology and topography of the area, we came to know that, this area receives a rainfall of around 600mm to 700mm in a year and the catchment area is also large(3.65sqkm) so that the runoff yield is itself sufficient to fill the tank. therefore, the proposal of lifting scheme is dropped from this project scope. Hence, there is no question of asking
	tank/water bodies. If so whether any additional forest land would be required for the same.	additional forest land is arises. NOTE :- Clarification letter for to fill tank Enclosed & Uploaded In "Parivesh" web Site.
4	As per the Component-wise	KML file uploaded in the earlier is shown only tank
T	requirement of forest land provided in Part-I of the proposal, forest land is required for new tank, check dam and connecting road. However, in the KML file	area and pipe line portion, but the scope of pipeline is cancelled, Hence the new KML files of tank and connecting road is provided now. The details are as shown below.a) KML files of tank area.
	uploaded in the proposal, pipeline	b) KML files of nalla bund area.
	and tank area is shown, but the KML file of the connectivity road	c) KML files of connectivity approach road to tank area road in forest area.
	Kivit file of the connectivity foad	area ivau iii iviesi area.



5	is not uploaded. This may be clarified. Cost Benefit analysis of the project to be submitted.	 d) KML files of connectivity approach road to tank area road in non-forest area NOTE :- KML files of above list is Enclosed & Uploaded In "Parivesh" web Site. This project is Non-Commercial, the purpose of this project is primarily to recharge the ground water, so that it helps to refill the surrounding villages Bore wells present in the command area, so that the villagers can utilize this water either for Drinking purpose or for irrigation purpose. So, the cost benefit analysis is not done and we consider it as Zero.
6	As per the PCCF forwarding letter CA is proposed in 12.1801 ha. Of non-forest land in Sy.No.43, Gudumaghatta village, Holehonnur Hobli, Bhadravathi Taluk. However, KML file and maps uploaded in the Part-I & II pertains to forest Sy.No. 16(Part) of Shringarabhag village, Basavapattana-1 Hobli, Chennagiri taluk, Davanagere District which appears to be a degraded forest land. Since the non-forest land has to be identified for CA for this proposal, The KML file and map of the non- forest land identified towards CA may be uploaded in the part-I & II of the proposal. The site suitability certificate of non-forest land proposed for Compensatory Afforestation is also not provided. If the non-forest land is not suitable for planting and alternatively the degraded forest land is selected for planting, the site suitability certificate for the same may be provided.	 A) We proposed CA area in Gudamgatta village sy no. 43 in Holehonnur Hobli, Bhadravathi Taluk to an extant of 12.1801 Ha and the CA area Map is enclosed & uploaded in "parivesh " web site. 1) Village map of CA area 2) TOPO (Location) map of CA area 3) Plain Map of CA area. 4) Google-1 map of CA area 5) Google-2 map of CA area 6) RTC of CA area 7) KML file of CA area B) The plantation will be raised in 12.1801 Ha of land in Sy.No. 16(Part) of Shringarabhag village, Basavapattana-1 Hobli, Chennagiri taluk, Davanagere District. C) The CA area Site Suitability Certificate is Enclosed & uploaded in "parivesh" web site.



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7	Copy of the MOU/Agreement executed between present owner and user agency with respect to Compensatory Afforestation land may be submitted.	The proposed CA area is a government land so that MOU/agreement of CA area land is not required. But to transfer this CA land/ government land to the forest department, a vide letter no 'SMGD- LND1/MISC/119/2023(3-57833) Date:01-02-2023 has been written to the Hon'ble Government Principal secretary of Revenue department, Multistoried building, Bangalore. From District Commissioner, Shivamogga.
8	Copy of the non-encumbrance certificate for Compensatory Afforestation land may be provided.	required, But Here the proposed CA land is a

Thanking you,

Yours faithfully

Executive Engineer KNNL No-03 Bhadra Canal Division Malebennur