



Karnataka Forest Department

The Deputy Conservator of Forests, Belagavi Division, Belagavi

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No.D1/LND/JSW/CA suitability/CR/2024-25.

Date: -09-2024

To,

The Deputy Conservator of Forests,
Ballari Division, Ballari.

Sir,

Subject: Issue of suitability certificate for non forest land identified for raising of Compensatory Afforestation.

Reference: 1 M/s. JSW Renewable Energy (Vijayanagara) Limited, Torangallu, Bellari letter dated:19-07-2024.

2 This office even letter No. D1/Bhoomi/JSW/ Suitability 2024-25, dated:22-07-2024.

3 Letter No. RFO/Hemmadaga/PaNe/2024-25, dated:22-07-2024 of the Range Forest Officer, Bhimgad Wildlife Range, Hemmadaga

4 Letter No.ACF/KhaUV/CA land/ Kelil Krishnapur/ 2024-25/454, dated:22-08-2024 of the Assistant Conservator of Forests, Khanapur Sub Division, Khanapur

5 Forest Conservation Act, 1980 and Forest Conservation rules 2003 dated:28-03-2019 Chapter-2, 2.1, 2.3 (i) and 2.4(vi)

6 Letter No:M1/MNG/JSW/Renewable/HYD/2022-23 (FC No.152438)/809 dated:18-09-2024 of Deputy Conservator of Forests, Ballari Division, Ballari

With reference to the above subject, M/s. JSW Renewable Energy (Vijayanagara) Limited, Ballari has requested to issue suitability certificate for an area situated at Kelil Krishnapur sy.no. 22/*/38, 22/*/39, 22/*/40, 22/*/41, 22/*/42 and 22/*/43 to an extent of 24.98 ha., against diversion of 23.3876 ha., forest land under Forest Clearance Proposal No.FP/KA/HYD/152438/2022 to facilitate the 130 MW Vijayanagar Pumped Storage Project in Kurekuppe, Vadddu, Banihatti, Taranagar, Lingadahalli, Kodalu, Chikkantapur village, Donimalal RF of Sandur Taluka of Bellari District. Information

sought from the Range Forest Officer, Bhimgad Wildlife Range, Hemmadaga and the Assistant Conservator of Forests, Sub Division, Khanapur.

The Range Forest Officer, Bhimgad Wildlife Range, Hemmadaga and the Assistant Conservator of Forests, Khanapur Sub Division, Khanapur has inspected the said area on 21-07-2024 and submitted the report vide letter referred at (3) and (4) respectively. The inspection report of the Assistant Conservator of Forests, Khanapur Sub Division, Khanapur is as follows:-

The details of the proposed Malki Land in Kelil Krishnapur Village, Khanapur Taluk, Belagavi District are as follows.

Sl No.	Taluka	Village	Sy. No.	Extent	
				(A-G)	Ha
1	Khanapur	Kelil Krishnapur	22/*/38	00-38	0.38
2	Khanapur	Kelil Krishnapur	22/*/39	02-32	1.13
3	Khanapur	Kelil Krishnapur	22/*/40	04-20	1.82
4	Khanapur	Kelil Krishnapur	22/*/41	22-20	9.11
5	Khanapur	Kelil Krishnapur	22/*/42	15-20	6.27
6	Khanapur	Kelil Krishnapur	22/*/43	15-20	6.27
			TOTAL	61-30	24.98

The Check Bandi details of the proposed 61acre-30 gunta area are as follows.

Survey No.	East	West	North	South
22/*/38	22/*/39	F.Sy.No.1	Balance area of sy.no.22	22/*/40
22/*/39	22/*/41	22/*/38	Balance area of sy.no.22	22/*/40
22/*/40	22/*/41	F.Sy.No.1	22/*/38 & 22/*/39	22/*/42
22/*/41	Balance area of sy.no.22	22/*/39 & 22/*/40	Balance area of sy.no.22	22/*/42 & 22/*/43
22/*/42	22/*/43	F.Sy.No.1	22/*/40 & 22/*/41	F.Sy.No.1
22/*/43	Balance area of sy.no.22	22/*/42	22/*/41	F.Sy.No.1

1. The proposed non-forest land, located in the heart of Bhimgad Wildlife Range and adjacent to reserved forest areas, exhibits characteristics of dense and semi-evergreen forests with a rich biodiversity of trees, shrubs, and vines. It's home to

various wildlife including tigers, leopards, and king cobras. Due to its remote location and natural barriers like overflowing rivers and streams, human activity is minimal, enhancing its suitability for environmental conservation. The Range Forest Officer, Bhimgad (Wildlife) has confirmed that this land is not classified as "Deemed Forest."

2. Due to heavy rain and fog, the rivers and canals are overflowing and cannot be crossed and boundary demarcation of the area could not be completed. Inspections by forest and revenue department officials is recommended to verify boundaries and documents.
3. The non-forest area identified by the user agency is qualifying for Compensatory Afforestation under Forest Conservation Act, 1980 and Forest Conservation rules 2003 dated:28-03-2019 Chapter-2, 2.1, 2.3 (i) and 2.4(vi).

The details of CA Suitability is as follows:

Sl. No.	Taluka	Hobali	Village	Sy. No.	Identified Area (A-G) (Ha)	Project Area (A-G) (Ha)	CA area suitable as per Forest Conservation Act, 1980 and Forest Conservation rules 2003 dated:28-03-2019 Chapter-2, 2.1, 2.3 (i) and 2.4(vi)
1	Khanapur	Gunji	Kelil Krishnapur	22/*/38	00-38 (0.38 ha)	00-38 (0.38 ha)	00-38 (0.38 ha)
2	Khanapur	Gunji	Kelil Krishnapur	22/*/39	02-32 (1.13 ha)	02-32 (1.13 ha)	02-32 (1.13 ha)
3	Khanapur	Gunji	Kelil Krishnapur	22/*/40	04-20 (1.82 ha)	04-20 (1.82 ha)	04-20 (1.82 ha)
4	Khanapur	Gunji	Kelil Krishnapur	22/*/41	22-20 (9.11 ha)	22-20 (9.11 ha)	22-20 (9.11 ha)
5	Khanapur	Gunji	Kelil Krishnapur	22/*/42	15-20 (6.27 ha)	15-20 (6.27 ha)	15-20 (6.27 ha)
6	Khanapur	Gunji	Kelil Krishnapur	22/*/43	15-20 (6.27 ha)	15-20 (6.27 ha)	15-20 (6.27 ha)
Total					61-30 (24.98ha)	61-30 (24.98ha)	61-30 (24.98ha)

The CA Scheme is as follows;

Sl. No.	Particulars of Works	Extent in Ha	Amount (Rs. in lakhs)	Remarks
2	The Compensatory Afforestation Scheme	24.98	458.633	Scheme enclosed
	TOTAL	24.98	458.633	

Based on the reports of the Range Forest Officer, Bhimgad Wild Life Sanctuary, Hemmadaga and the Assistant Conservator of Forests, Khanapur Sub Division, Khanapur, it is found that the area identified is suitable habitat for the wildlife in Bhimgad Wildlife Sanctuary. Hence, it is recommended that the proposed Non-Forest (Malki) area is suitable to be handed over to the Forest Department.

Please find enclosed the CA Suitability Certificate, CA Scheme in prescribed format, KML file of CA Land, Topo Map, and Village Map for your reference.

This is for your information and needful action.

Yours faithfully,



Deputy Conservator of Forests,
Belagavi Division, Belagavi.

FORMAT-B

CA LAND SUITABILITY CERTIFICATE UNDER FCA 1980

[Cases where proposed non-forest land cannot support the prescribed planting density of 1000 plants per hectare and it is necessary to plant the balance number of plants in degraded forest land (<40% canopy density) as per working plan prescription in accordance with Government of India FC Guidelines F. No. 11-423/2011-FC dated 08-11-2017]

In compliance of the procedure established for diversion of forestland for non-forest purpose through the Forest Conservation Rules 2003 and guidelines framed under the Forest Conservation Act 1980, the following is certified.

1. The non-forest land parcel(s) [Table1] proposed by by **M/s. JSW, Renewable Energy (Vijayanagar) Limited, Toranagallu, Bellari** for raising compensatory afforestation (CA). In forest land diversion proposal number: **FP/KA/HYD/152438/2022** For diversion of 23.3876 (Ha) of forest land in **Ballari** Division(s) have been inspected by me on **25-09-2024**.
2. The said non-forest CA land parcel is suitable for raising compensatory afforestation in accordance with Government of India FC Guidelines F. No. 11-423/2011-FC dated 08-11-2017 read with general FC Guidelines, and in case of Private Party User Agency, further as per the Government of Karnataka Order No.FEE 82 FLL 2016 dated 31-08-2016
3. It is further reported that the said land parcel have natural growth and thereafter planting is not necessary. 1000 seedlings are proposed to be planted in degraded forest land [Table 2] in consonance with the working plan prescriptions.
4. The KML file(s), Topo Map(s), Geo-referenced Map(s) & GPS readings of all corner of the proposed non-forest CA land parcel(s) have been uploaded by User Agency in PART-1 of the proposal /are enclosed herewith.
5. The KML file(s), Topo Map(s), Geo-referenced Map(s) & GPS readings of all corners of the proposed degraded forest land parcel(s) are enclosed in PART-II.
6. Additional remarks if any.....

TABLE -1 (Non- forest CA land)

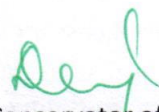
District, Taluk & Hobli	Village	Survey Number	Extent in A-G (Ha)	Plants/ha proposed to be planted	Remark about the adjacency of the proposed land parcel to a notified forest
(1)	(2)	(3)	(4)	(5)	(6)
Belagavi, Khanapur and Khanapur	Kelil Krishnapur	22/*/38, 22/*/39, 22/*/40, 22/*/41, 22/*/42, 22/*/43	24.98 (Ha)	1000	This land is adjacent to reserved Forest and located in heart of Bhimgad Wildlife Sanctuary.
Total			24.98 (Ha)	1000

TABLE-2 (Degraded forest land where the 1000 number of plants are proposed to be planted in consonance with the Working Plan Prescriptions)

Forest Division	Name of Forest	Forest block number	District, Taluka & Hobli	Village	Survey number	Extent in A-G (Ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Division	Reserved Forest	F.S.No.223	Belagavi, Hukkeri & Hukkeri	Mavanur	223	24.98 (Ha)
Total						24.98 (Ha)

Place: Belagavi

Date: 27/9/24



Deputy Conservator of Forests,
Belagavi Division, Bealgavi.

Indicative cost Estimation for Raising and Maintenance of Compensatory Afforestation

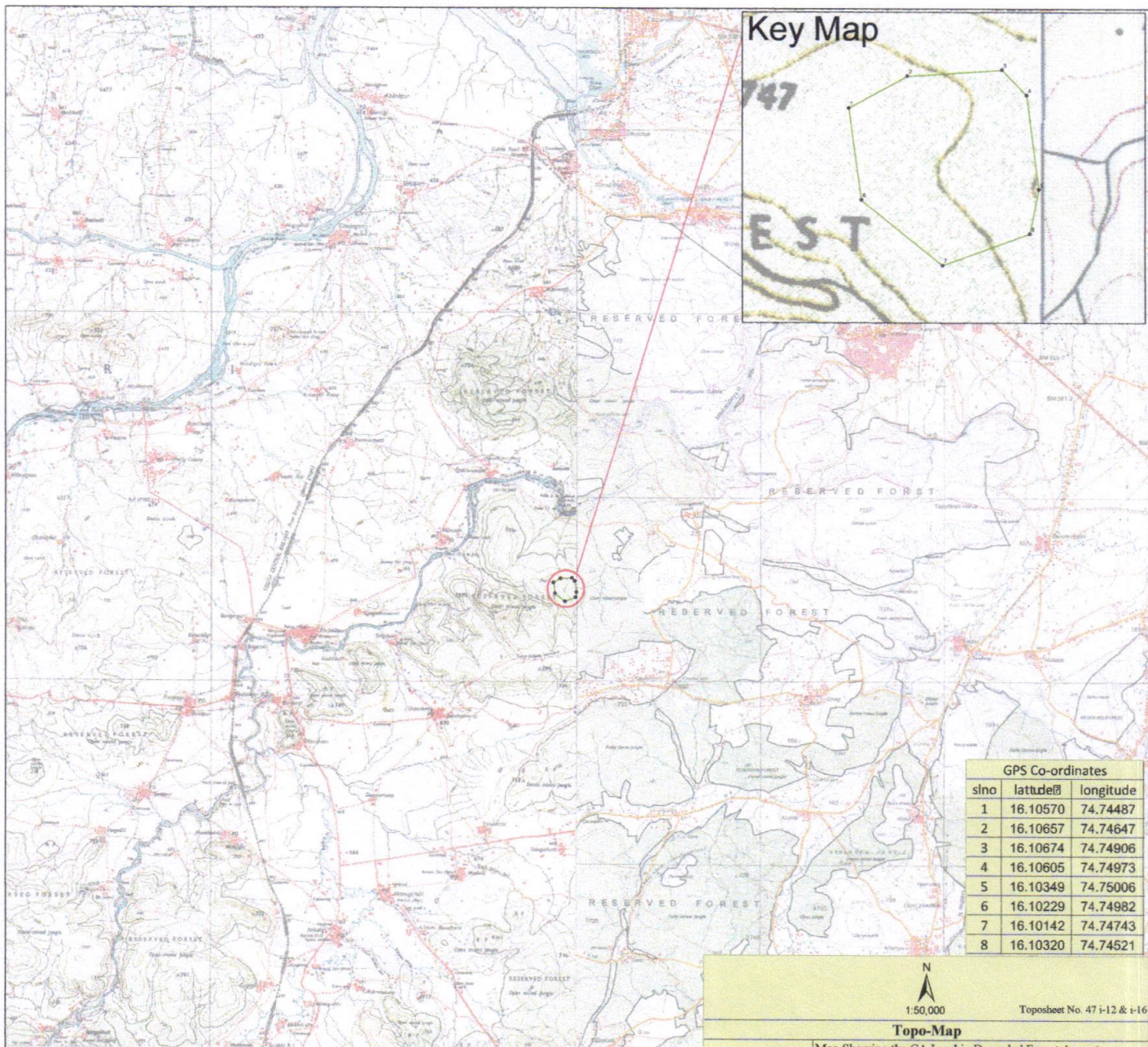
Extent :

24,980 Ha

ABSTRACT (Amount in Rs.; Cost per hectares)

Particulars			Advance work Year	Raising Year	Maintenance										Grand Total
				Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10		
A:	Advance works														
1	Advance works (including raising of Pbs of 8"x12 size)	36,42,084												36,42,084.00	
B:	Raising of Plantation													-	
1	Raising of Plantation in advance worked area		20,73,340											20,73,340.00	
2	Maintenance of seedlings before planting (8"x12" Size Pbs 1200 pbs @ Rs.7.46 each)		2,23,621											2,23,620.96	
3	Raising nursery for replacement of casualties next year 10% (8"x12" Size 100 Pbs @ Rs.26.29 –Rs. 292.90)		65,672											65,672.42	
C:	Maintenance of Plantation (with Casualty Replacement, Cultural operations and manuring)													-	
1	Maintenance of the Plantation during 1st year			10,71,642										10,71,642.00	
2	Maintenance of Seedlings raised for casualty replacements (8"x12" Size 100 Pbs @ Rs.7.46 –Rs. 74.60)			18,635										18,635.08	
D:	Maintenance of plantation (with cultural operations & manuring)													-	
1	Maintenance of Plantation during 2nd year				8,91,786									8,91,786.00	
E:	Maintenance of Plantation (with cultural operations but without manuring)													-	
1	Maintenance of Plantation during 3rd year					7,34,412								7,34,412.00	
2	Maintenance of Plantation during 4th year						7,34,412							7,34,412.00	
3	Maintenance of Plantation during 5th year							7,34,412						7,34,412.00	
F:	Maintenance of Plantation (without cultural operations)								2,17,326					2,17,326.00	
1	Maintenance of Plantation during 6th year									2,17,326				2,17,326.00	
2	Maintenance of Plantation during 7th year										2,17,326			2,17,326.00	
3	Maintenance of Plantation during 8th year											2,17,326		2,17,326.00	
4	Maintenance of Plantation during 9th year												2,17,326	2,17,326.00	
5	Maintenance of Plantation during 10th year													2,17,326.00	
Total : (A to F)			36,42,084	23,62,633	10,90,277	8,91,786	7,34,412	7,34,412	7,34,412	2,17,326	2,17,326	2,17,326	2,17,326	1,63,80,035.48	
I	Total (A to F) Amount after taking 10% escalation cost for each year (Compounding factor at 10%)		40,06,292	28,58,786	14,51,163	13,05,655	11,82,778	13,01,058	14,31,154	4,65,852	5,12,440	5,63,649	6,19,154	6,82,054	
II	Soil and Moisture conservation measures (15% on total plantation cost)		24,57,008											24,57,007.82	
III	Resurveying redemarcation and other works for Section 4 notification (LS)		2,83,798											2,83,797.78	
IV	Chainlink fencing (Considering 200 meter average periphery) (10% escalation over rates adopted for 2021-22)		2,45,58,463											2,45,58,462.50	
Total Advance work Year to 10th Year of Maintenance (I+II+III+IV)			3,13,05,561	28,58,786	14,51,163	13,05,655	11,82,778	13,01,058	14,31,154	4,65,852	5,12,440	5,63,649	6,19,154	6,82,054	
Administration & Supervision Charges @ 5% of above														21,83,976.42	
GRAND TOTAL														4,58,63,280.00	

Deputy Conservator of Forests,
Belagavi Division, Belagavi.



Key Map

Legend

- GPS Co-ordinates
- Proposed CA Land for Degraded Forest

GPS Co-ordinates		
sno	latitude	longitude
1	16.10570	74.74487
2	16.10657	74.74647
3	16.10674	74.74906
4	16.10605	74.74973
5	16.10349	74.75006
6	16.10229	74.74982
7	16.10142	74.74743
8	16.10320	74.74521



1:50,000

Toposheet No. 47 i-12 & i-16

Topo-Map

Name of Work :	Map Showing the CA Land in Degraded Forest Area at Mavanoor FS No. 223
Extent :	24.98 Ha.
Village Name :	Mavanoor FS No. 223
Name of Range :	Hukkeri
Sub Division :	Belagavi
Division :	Belagavi

Map Showing the CA Land in Degraded Forest Area at Mavanoor FS No. 223

Extent : 24.98 Ha

