

PROJECT REPORT/COST ANALYSIS

Project Report

Gram Panchayat Gokarna of Kumta Taluk Uttara Kannada District is about 32 km from the Taluk Headquarters i.e Kumta and is about 62 km from the district Headquarters i.e Uttara Kannada

The Gram Panchayat Gokarna between 14.32.31 latitude and 74.20.13 longitude. It consists of one village Gokarna and having 13539 population. The area covered by Gokarna is 9898 hectare.

The nature of the terrain involves high ridges and low valleys and habitants are thickly populated in the ridges and valleys. Solid waste is collected in the villages and transported in small vehicles. It is very necessary to dispose the solid waste out side the village area and there is no revenue land available in Gram Panchayat area. Gram Panchayat require 0.88 hectare of near by forest land for construction of solid waste Yard. Line estimate was prepared for construction of mesh wall, Pits, Shed, Borewell, Pumping and Electricity and Construction of Roads around the compound and approach Road for the vehicle movement. The detail of the line estimate for construction of Solid Waste Yard is as follows :-


Cost Analysis

- | | |
|--|----------------|
| 1. Construction of mesh Wall | - 10,00,000.00 |
| 2. Excavation of Pits | -- 4,00,000.00 |
| 3. Constuction of approach Road (1 km) | - 12,00,000.00 |
| 4. Construction of shed | - 8,00,000.00 |
| 5. Borewell, Pumping and Electricity | - 7,00,000.00 |

Total Cost - 41,00,000.00


PANCHAYAT DEVELOPMENT OFFICER
GRAMA PANCHAYAT GOKARNA


PRESIDENT
GRAMA PANCHAYAT GOKARNA


EXECUTIVE OFFICER
TALUK PANCHAYAT KUMTA
UTTARA KANNADA DISTRICT



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

UNDERTAKING TO PAY NET PRESENT VALUE (NPV) OF THE FOREST LAND

Name of the Proposal : Proposal of Forest Land an extent of 00.98.00 Ha in F.Sy. No. 1492 A1A of Gokarna village to **Construction of solid and Liquid Waste Disposal Unit** of Kumta Taluk Uttar kannada District

This is to Certify that we have applied for diversion of 0.98Ha. of Forest Land in F.Sy.No. 1492 A Hissa 1A Gokarna village of Kumta taluk for Construction of Solid and Liquid waste disposal unit.

I/We Grama Panchayat Gokarna hereby undertake to bear cost of Net Present Value of the Forest Land as and when it is required by the Forest department.

K.M. Vinayakumar
ಪಂಚಾಯತ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿ
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ

ಅಧ್ಯಕ್ಷರು
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ.

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು
ಪಾಲಕಾ ಪಂಚಾಯತ ವಸುಲಾ (ಉ.ಕ.)



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UNDERTAKING TO BEAR THE COMPENSATORY AFFORESTATION CHARGES

Name of the Proposal : Proposal of Forest Land an extent of 00.98.00 Ha in F.Sy. No. 1492 A1A of Gokarna village to Construction of solid and Liquid Waste Disposal Unit of Kumta Taluk Uttar kannada District

I/We Grama Panchayat Gokarna hereby undertake to bear cost of raising and maintainance Compensatory Afforestation and/or penal compensatory as well as cost for protection and generation of safety Zone etc. as per the scheme prepared by Government.

K. M. Vinay Kumar
ಪಂಚಾಯತ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿ
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ಣ

M.
ಅಧ್ಯಕ್ಷರು
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ಣ.

[Signature]
ಶಾರ್ವನಿವಾಳಕ ಅಧಿಕಾರಿಗಳು
ಪಾಲಕ ಪಂಚಾಯತ ಕುಮಟಾ (ಬಿ.ಕೆ.)



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Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

UNDERTAKING TO BEAR EXTRACTION CHARGES OF TREES

Name of the Proposal : Proposal of Forest Land an extent of 00.98.00 Ha in F.Sy. No. 1492 A1A of Gokarna village to Construction of solid and Liquid Waste Disposal Unit of Kumta Taluk Uttar kannada District

I/We Gram Panchayat Gokarna hereby undertake to bear cost of extraction and transportation charges of standing trees in the forest land proposed for Project "Construction of Solid and Liquid Waste Disposal Unit" in Gokarna Village of Kumta taluk Survey No. 1492 A Hissa 1A in an extent of 0.98 Hectare.

K. Vinayakumar
ಪಂಚಾಯತ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿ
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ಣ

ಅಧ್ಯಕ್ಷರು
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ಣ.

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು
ಪಾಲಿಕಾ ಪಂಚಾಯತ ಕುಮಟಾ (ಬು.ಕ.)



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2020-21/ 7

Date : 12-04-2021

To,

Deputy Conservator Of Forests
Honnvara Division , Honnavara
581334

Respected Sir,

Subject: Clarification to the Integrated Regional Office, for Diversion of 0.98 ha of forest land in F.Sy. No. 1492/A, Gokarna Village, Gokarnahobli, kumta Taluk, Uttara kannada District(Honnavar Forest Division) for establishment of **Solid and Liquid waste disposal Unit** in favour of Panchayat Development Officer, Gram Panchayat, Gokarna

Ref. : The Deputy Inspector of general of forests(central), **Ministry of Environment, Forests & Climate change, regional office(Southern zone)**, kendriyasadan, IV floor, E & F wings, Kormangala, Bengaluru office letter no. F.No. 4-KRB1288/2021-BAN/ Dated the 1st March, 2021

Adverting to the above, the Stage-1 forest clearance proposal for diversion of 0.98 ha of forest land Honnavar divisions of Uttarakannada district for "Diversion of 0.98 ha of forest land in F.Sy. No. 1492/A, Gokarna Village, Gokarnahobli, kumta Taluk, Uttara kannada District(Honnavar Forest Division) for establishment of Solid and Liquid waste disposal Unit in favour of Panchayat Development Officer, Gram Panchayat, Gokarna" has been submitted to Central Government from State Government for Stage-1 approval. The Committee vide letter cited under ref has directed to furnish compliances for the following clarifications for further processing of the proposal. **The Compliance to the clarification are as follows:-**



Continued.....

Sl No.	Clarifications	Compliances
1	Explore the possibility of locating the project in non forest land. In case there is no alternative non forest land is available then the user agency should certify that the Liquid final waste after its processing which will drain to underground / adjacent forest areas are not toxic and which will not have any adverse impact on the existing flora/fauna	As there is no alternate non forest land available for taking up the project. Hence we certify that the liquid final waste after its processing will be non toxic and will not have any adverse impact on the existing flora/fauna. 1. Certificate From District Commissioner 2. Certificate from GOKARNA GRAMA PANCHAYATH
2	The user agency may be directed to confirm and furnish the revised requirement of forest area for establishing the liquid waste disposal unit	The proposed area for taking up the project will be used completely. Hence no revision of the proposed land area for liquid waste disposal unit. 1.JUSTIFICATION FROM GOKARNA GRAMA PANCHAYATH
3	The user agency may be directed to explore utilizing the existing road to the site and accordingly, amend the proposal	The road shown in the Google imagery is the VFR (village forest road) connecting to Mudangi. But for the proposed approach road which will be the shortest connectivity road the proposed site. 1.JUSTIFICATION FROM GOKARNA GRAMA PANCHAYATH

K. M. Vinay Kumar
 ಕೆ. ಎಂ. ವಿನಯ್ ಕುಮಾರ್
 ಗ್ರಾಮ ಪಂಚಾಯತ್ ಅಧ್ಯಕ್ಷರು



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Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2020-21/ g

Date :12-04-2021

CERTIFICATE

This is to certify that no alternate non forest land available for the project within Gram Panchayath Gokarna. Gram Panchayath Gokarna hereby certifies that liquid final waste after its processing will be properly handled in scientific method without causing any adverse impact on the adjacent forest areas and existing flora/fauna and will be confined to the site with water tight compound wall.

K. M. S. Kumar
ಶಿವಮೊಗ್ಗ ಜಿಲ್ಲಾ ಪಂಚಾಯತ್
ಗೋಕರ್ನಾ ಗ್ರಾಮ ಪಂಚಾಯತ್



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Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2020-21/ 9

Date : 12-04-2021

To,

Deputy Conservator Of Forests
Honnavara Division , Honnavara
581334

Respected Sir,

Subject: Regarding confirmation on requirement forest area

This is justify that the area required for waste management remains unchanged since we require the entire proposed site area for taking up the project for the Liquid waste disposal unit.

Your's faithfully,

Kannayyanna
ಕನ್ನಯ್ಯನಾ
ಗ್ರಾಮ ಪಂಚಾಯತ್ ಸಚಿವರು



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2020-21/ 10

Date : 12-04-2021

To,

Deputy Conservator Of Forests
Honnavara Division , Honnavara
581334

Respected Sir,

Subject: Regarding Utilization of the proposed approach road

This is to justify that the approach road visible through the Google imagery is the VFR connecting to Mudangl (habitation) and proposed approach road is the shortest connecting road to the project(proposed) site.

Your's faithfully,

Kanniyabina
ಕನ್ನಿಯಬಿನಾ
ಗ್ರಾಮ ಪಂಚಾಯತ್ ಗೋಕರ್ನಾ



ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಉತ್ತರಕನ್ನಡ, ಕಾರವಾರ-581 301

OFFICE OF THE DEPUTY COMMISSIONER, UTTARA KANNADA DISTRICT, KARWAR, -581 301

ದೂರವಾಣಿ : 08382 226406, 226471

Email: dckarwar@gmail.com

Telephone: 08382 226603 (Fax)

Website: <http://uttara.kannada.nic.in>

No.RB/FOR/CR- 67/2017-18

Date: 27-01-2018

CERTIFICATE

This is to certify that no suitable non-forest land is available in Gokarna Village of Kumta Taluka of Uttar Kannada district to grant land for the purpose of **Construction of Solid Waste processing Unit** at Gokarna village in Kumta Taluka as well as transfer of equivalent non forest land for **raising compensatory afforestation** in lieu of proposed forest land for diversion.

This certificate has been issued to facilitate Panchayat Development Officer, Grama Panchayat Gokarna of Kumta Taluka to get 2-18-0 Acres of forest land in Gokarna Village of Kumta taluka from the Forest department.

This certificate is issued as per the report of the Tahsildar Kumta.


Deputy Commissioner,
Uttarkannada, Karwar.

To,
Panchayat Development Officer ,
Grama Panchayat Gokarna
Kumta

ಉತ್ತರಕನ್ನಡ ಜಿಲ್ಲಾ ಪಂಚಾಯತ, ಕಾರವಾರ ರವರ ನಡುವಳಿ

ವಿಷಯ: ಕುಮಟಾ ತಾಲೂಕಿನ ಗೋಕರ್ಣ ಗ್ರಾಮ ಪಂಚಾಯತಿಯ ಘನ ಮತ್ತು ದ್ರವ ತ್ಯಾಜ್ಯ ವಿಲೇವಾರಿ ಘಟಕದ ಕಾಮಗಾರಿಯ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ:1. ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ, ಪಂ.ರಾ.ಇಂ ಉಪವಿಭಾಗ ಕುಮಟಾ ರವರ ಪತ್ರ ಸಂ: ಪಂ.ರಾ.ಇ/ಉವಿಕು/ಅಂಪ2020-21
 ದಿ: 14.05.2020

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ಪ್ರಸ್ತಾವನೆ:

ಕುಮಟಾ ತಾಲೂಕಿನ ಗೋಕರ್ಣ ಗ್ರಾಮ ಪಂಚಾಯತಿಯಲ್ಲಿ ಸ್ವಚ್ಛ ಭಾರತ ಮಿಷನ್ ಯೋಜನೆಯಡಿ ಘನ ಮತ್ತು ದ್ರವ ತ್ಯಾಜ್ಯಗಳ ಸುರಕ್ಷಿತ ವಿಲೇವಾರಿಗೆ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಲು ಕ್ರಿಯಾಯೋಜನೆಯನ್ನು ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ. ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರು, ಕುಮಟಾರವರು ಗೋಕರ್ಣ ಗ್ರಾಮ ಪಂಚಾಯತದ ಅನುಮೋದಿತ ಕಾಮಗಾರಿಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗಳನ್ನು ಸಲ್ಲಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಲು ಕೋರಿರುತ್ತಾರೆ. ಪ್ರಯುಕ್ತ ಈ ಕೆಳಗಿನಂತೆ ಆದೇಶ ಹೊರಡಿಸಿದೆ.

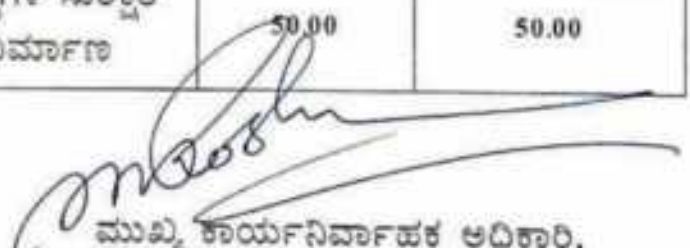
ಆದೇಶ ಸಂ.ಜೆಪಂಆ/ಸ್ವಭಾಮಿ/2019-20

ದಿನಾಂಕ: .06.2020

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿ ವಿವರಿಸಿದಂತೆ, ಕುಮಟಾ ತಾಲೂಕಿನ ಗೋಕರ್ಣ ಗ್ರಾಮ ಪಂಚಾಯತಿಯಲ್ಲಿ ಸ್ವಚ್ಛ ಭಾರತ ಮಿಷನ್ ಯೋಜನೆಯಡಿ ಘನ ಮತ್ತು ದ್ರವ ತ್ಯಾಜ್ಯಗಳ ಸುರಕ್ಷಿತ ವಿಲೇವಾರಿಗೆ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಲು ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರು, ಪಂಚಾಯತ ರಾಜ್ ಇಂಜಿನಿಯರ ಉಪವಿಭಾಗ ಕುಮಟಾರವರು ಸಲ್ಲಿಸಿದ ಈ ಕೆಳಗಿನ ಕಾಮಗಾರಿಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗಳಿಗೆ ಸ್ವಚ್ಛ ಭಾರತ ಮಿಷನ್ ಯೋಜನೆಯ ಅನುದಾನದಡಿ ಸಕ್ಷಮ ಪ್ರಾಧಿಕಾರದಿಂದ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ಪಡೆಯುವ ಷರತ್ತುಗಳಿಗೊಳಪಟ್ಟು ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದೆ.

(ರೂ. ಲಕ್ಷಗಳಲ್ಲಿ)

ಕ್ರ. ಸಂ	ಯೋಜನೆಯ ಹೆಸರು	ಕಾಮಗಾರಿಗಳ ಹೆಸರು	ಅಂದಾಜು ಮೊತ್ತ (ರೂ ಲಕ್ಷಗಳಲ್ಲಿ)	ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದ ಮೊತ್ತ
1	ಸ್ವಚ್ಛ ಭಾರತ ಮಿಷನ್	ಘನ ಮತ್ತು ದ್ರವ ತ್ಯಾಜ್ಯಗಳ ಸುರಕ್ಷಿತ ವಿಲೇವಾರಿ ಘಟಕ ನಿರ್ಮಾಣ	50.00	50.00


 ಮುಖ್ಯ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ,
 ಜಿಲ್ಲಾ ಪಂಚಾಯತ ಉತ್ತರಕನ್ನಡ, ಕಾರವಾರ

ರಿಗೆ.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರರು,
 ಪಂಚಾಯತ ರಾಜ್ ಇಂಜಿನಿಯರ ವಿಭಾಗ, ಕುಮಟಾರವರಿಗೆ

- ಪ್ರತಿ: 1) ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ, ತಾಲೂಕ ಪಂಚಾಯತ, ಕುಮಟಾ.
 2) ಪಂಚಾಯತ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿ, ಗ್ರಾ. ಪಂ. ಗೋಕರ್ಣ, ತಾಲೂಕು ಕುಮಟಾ



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2021-22/ 263

Date : 15-09-2021

To,

Deputy Conservator of Forest,
Honnava Division, Honnavar
581334

Sir,

Subject : Diversion of 0.98 Hectare of Forest land in Gokarna Village F.Sy. No. 1492A/1A, Gokarna Hobli, Kumta Taluk, Uttara Kannada District (Honnava Forest Division) for establishment of **Solid and Liquid Waste Disposal Unit** in favour of the Panchayath Development Officer, Gram Panchayath, Gokarna
Proposal No. FP/KA/OTHERS/36295/2018


Ref : Office of the Deputy Conservator of forests, Honnavar division, Honnavar – 581334 office letter no. B2/GFL/FCA/CR-17/2020-21, Dated: 27-08-2021.

Adverting to the above, the Stage-1 forest clearance proposal for diversion of 0.98 ha of forest land Honnavar divisions of Uttarakannada district for "Diversion of 0.98 ha of forest land in F.Sy. No. 1492/A, Gokarna Village, Gokarna hobli, kumta Taluk, Uttara kannada District(Honnava Forest Division) for establishment of Solid and Liquid waste disposal Unit in favour of Panchayat Development Officer, Gram Panchayat, Gokarna" has been submitted to Central Government from State Government for Stage-1 approval. The Committee vide letter cited under ref has directed to furnish compliances for the following clarifications for further processing of the proposal. The Compliance to the clarifications are as follows:-

Sl No.	Clarifications	Compliances
1.	If the User agency is planning to treat sewage as the prime liquid waste, the proposal may be renamed as 'Sewage Treatment Plant' instead of Liquid waste disposal unit'	The proposal has been renamed as 'Faecal Sludge Treatment Plant' instead of Liquid disposal unit
2.	Method of sourcing of sewage, its transportation to the plant and approximate quantity to be collected per day for treatment	Sourcing and Transportation of Faecal Sludge will be done through a Desludging Vehicle. Approximate quantity of sludge collected will be 12 Cubic metres per week

K. S. Srinivasan
Panchayat Development Officer
Grama Panchayat, Gokarna

3.	Type of technology and treatment proposed in the plant	The Proposed technology includes Planted Drying Beds followed by DEWATS technology . The Treatment method involves Stabilization and dewatering of sludge in Planted Drying Beds. The Percolate is then treated in DEWATS using Settler, Anaerobic Filters, Planted Gravel Filter and Soak Pit.
4.	Plan of disposal of treated sewage and its re-use	The by-products such as bio-solids can be reused in agriculture as a soil conditioner and the treated wastewater can be used for irrigation or safely disposed through percolation
5.	Source of fresh water to be used in treatment plant	Borewell will be used as a source of fresh water
6.	If it is proposed to treat solid waste in the same location, it is suggested to provide a separate component in the existing proposal	A separate component for handling of Solid waste at the proposed location has been mentioned in the proposal
7.	The handling bio-medical waste should not be done in the proposed area	Justification for not handling of Bio-medical waste at the proposed area attached
8.	In the REC meeting dated 20.07.2021, it has been decided that the area should not be used as a waste dumping yard and only to be used for treatment and processing of liquid waste and to obtain undertaking from User agency to this effect	Undertaking regarding usage of area for solid and liquid waste management from Gokarna Gram Panchayat attached


 Panchayat Development Officer
 Grama Panchayat, Gokarna



Government of Karnataka
GRAMA PANCHAYAT GOKARNA
Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

2021-22/ 264

Date : 15-09-2021

Deputy Conservator of Forest,
Honnvara Division, Honnavar
581334

Sir,

Subject : Non handling of Bio Medical Waste at the proposed area

Ref : Office of the Deputy Conservator of forests, Honavar division, Honavar – 581334
office letter no. B2/GFL/FCA/CR-17/2020-21, Dated: 27-08-2021

This is to justify that there will not be any processing of Bio Medical waste at the Proposed site of Gokarna Grama panchayath.

Your's faithfully,


Panchayat Development Officer
Grama Panchayat, Gokarna



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

S.No/GPG/2021-22/

Date : 15-09-2021



Underatking for not using the proposed Land as a waste Dumping yard

Name of the proposal : Diversion of 0.98 Hectare of Forest land in Gokarna Village F.Sy. No. 1492A/1A, Gokarna Hobli, Kumta Taluk, Uttara Kannada District (Honnavar Forest Division) for establishment of **Faecal Sludge Treatment Plant** in favour of the Panchayath Development Officer, Gram Panchayath, Gokarna
Proposal No. FP/KA/OTHERS/36295/2018

I/We Grama Panchayath Gokarna hereby undertake for using thr proposed area only for treatment and processing of Soild waste and Faecal Sludge and Not as a waste dumping yard.

[Signature]
Panchayat De.
Grama Panchayat Gokarna

[Signature]
President
Grama Panchayat Gokarna

1. Design Description of the Faecal Sludge Treatment plant

1.1. Treatment Concept

The treatment concept proposed for faecal sludge treatment in Gokarna has been developed considering mainly

- Area availability for treatment plant
- Reusability of by-products
- Implementation cost
- Operations and Maintenance requirements
- Aesthetics

As shared human resource is adopted for solid waste and liquid waste in Gokarna, the design ensures minimal energy consumption as well as low operation and maintenance requirements.

1.2. Treatment Stages and Modules Adopted

S. No.	Treatment Stages	Treatment Modules
1.	Pre-treatment	Screen Chamber
2.	Sludge Stabilisation/Dewatering	Planted Drying Beds
3.	Liquid Wastewater Treatment	Integrated Settler and Anaerobic Filter
4.	Post Treatment and Disposal	Planted Gravel Filter and Soak pit
5.	Supporting civil infrastructure	Approach road, Operators Room, Toilet Block and Sludge storage house

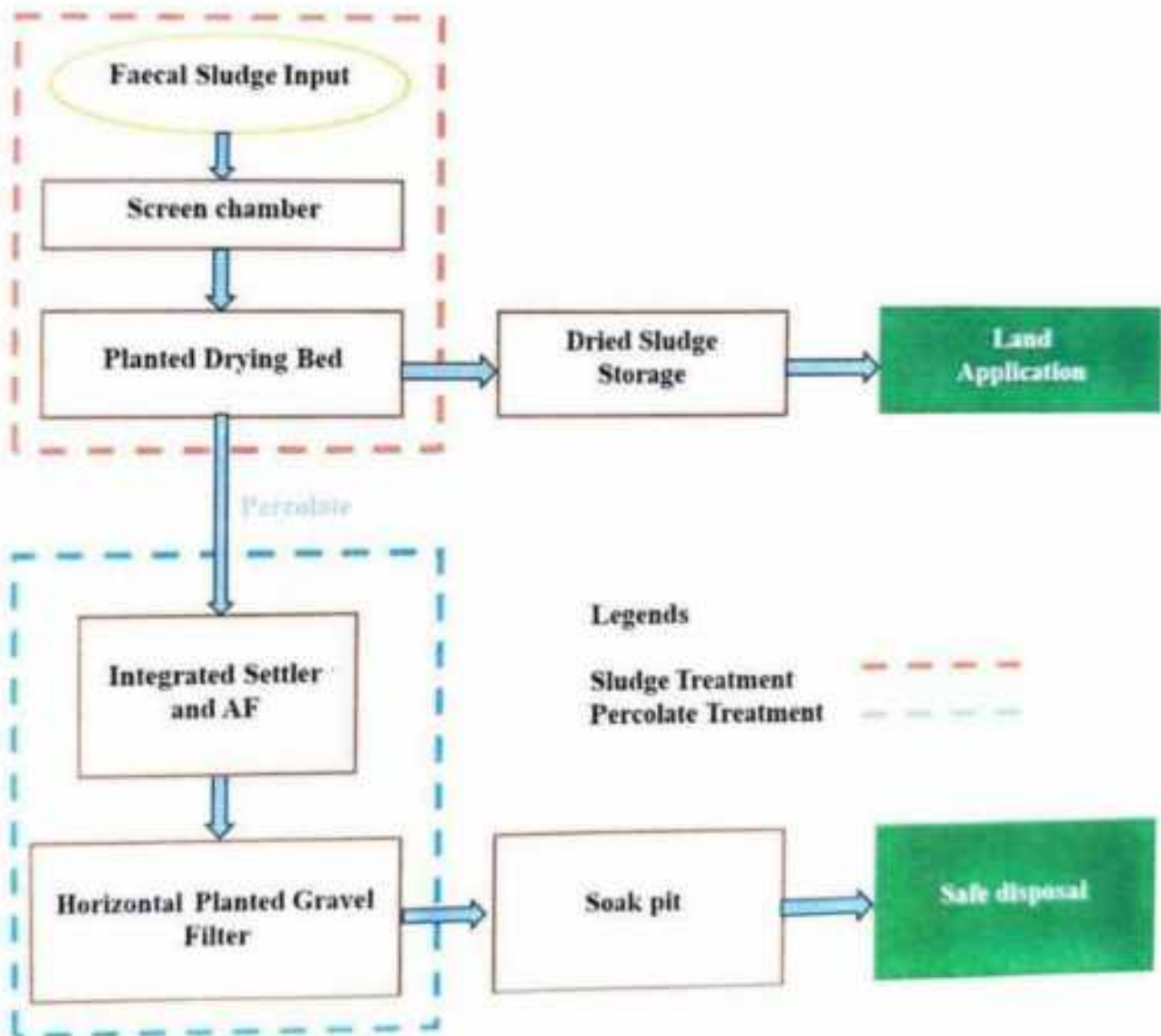
Table 3: Treatment stages and Module adopted

This faecal sludge treatment plant is designed for **12 cum /week** capacity. The septage/faecal sludge (FS) is first passed through the screen for the retention of coarse materials/ inorganic solid waste present in the FS, and then conveyed to Planted Drying Bed (PDB). The PDBs are loaded with layers of sludge that are dewatered and stabilised through multiple physical and biological processes. A planted drying bed has the added benefit of transpiration and enhanced sludge treatment due to the plants. The key improvement of the planted bed over the unplanted bed is that the filter beds do not need to be desludged after each feeding cycle. Fresh sludge can be directly applied onto the previous layer, the plants and their root systems maintain the porosity in the filter.

This technology has the benefit of dewatering and stabilizing the sludge. Also, the roots of the plants create pathways through the thickened sludge that allow water to easily escape. Instead of effluent, sludge is applied to the surface and the filtrate flows down through the subsurface where it is collected in drains. The dried sludge from the planted drying beds is removed after a year of loading and a 6- month dormancy period.

The percolate is then treated in two stages (primary and secondary stage) in DEWATS modules. The primary stage i.e., Settler is mainly meant for the settling of any solids that may have entered the modules along with the percolate. The secondary stage i.e., Anaerobic Filter is for the anaerobic degradation of any dissolved and suspended organic matter. The partially treated wastewater from the secondary treatment unit would be conveyed into the Planted Gravel Filter where the plants take in nutrients and the gravel helps in aeration of the secondary treated wastewater to eliminate any odour. The treated water flows to the soak pit and infiltrates into the ground.

Process flow diagram for proposed faecal sludge treatment plant is shown in fig. below.





भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
एकीकृत क्षेत्रीय कार्यालय
INTEGRATED REGIONAL OFFICE
Kendriya Sadan, IVth Floor, Ek F Wings, 17th Main Road,
IInd Block, Koramangala, Bangalore - 560 034.
Tel.No.080-25679912, E-Mail: roo.bng-mef@nic.in



BY SPEED POST
F.No.4-KRB/288/2021-BAN/
Dated the 25th February, 2022

1465

To
The Additional Chief Secretary to Government of Karnataka,
Forest, Ecology & Environment Department,
M.S. Building, Dr. Ambedkar Veedhi,
Bangalore - 560 001.

Subject: Diversion of 0.98 ha. of forest land in F.Sy. No. 1492A/1A, Gokarna village Gokarna Hobli, Kartsa Taluk, Uttara Kannada District (Hemavara Forest Division) **for establishment of Forest Stodge Treatment Plant** in favour of the Panchayath Development Officer, Gram Panchayat, Gokarna-mp.

Sir,
I am directed to refer to the State Government's letter No. FEE (4 FLL 2021 (c) dated 02/02/2021 and 06/01/2022 seeking prior approval of the Central Government under Section 2 of the Forest (Conservation) Act, 1980 for the above project.

The proposal was examined by the Regional Empowered Committee constituted under sub-rule (1) of rule 4A of the Forest (Conservation) Rules, 2003 in its meeting held on 17/02/2022. After careful examination of the proposal of the State Government and on the basis of the approval of the Regional Empowered Committee, **in-principle approval (Stage-I clearance)** of the Central Government is hereby granted for diversion of 0.98 ha. of forest land in F.Sy. No. 1492A/1A, Gokarna village Gokarna Hobli, Kartsa Taluk, Uttara Kannada District (Hemavara Forest Division) **for establishment of Forest Stodge Treatment Plant** in favour of the Panchayath Development Officer, Gram Panchayat, Gokarna, subject to the following conditions:

- A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.
1. The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the guideline issued by Ministry vide letter No.5-3(2011)-FC (Vol-I) dated 06/01/2022. The requisite funds shall be transferred through online portal into CAMPA account of the State Government.
 2. Cost of raising plantation (including ten years maintenance) of ten times number of trees to be felled shall be realized from user agency towards compensatory afforestation.
 3. Location of the area (map with DGPS coordinates) identified for raising the plantations shall be furnished along with compliance report.
 4. All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only through e-portal (<https://parivest.nic.in/>). Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.
 5. The KML file of the area diverted and CA plantation (ten times no. of trees to be felled) shall be uploaded on the e-govern watch portal with all requisite details and same shall be submitted along with compliance report.
 6. The compliance report shall be uploaded on e-portal (<https://parivest.nic.in/>).
 7. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost as per the directions of concerned Divisional Forest Officer.

8. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 3-2/2017-FC dated 28.03.2019.
- ii. Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:**
1. Legal status of the diverted forest land shall remain unchanged.
 2. A Monitoring Committee shall be constituted comprising of Assistant Conservator of Forest having jurisdiction as Chairman, jurisdictional Tahsildar and Panchayat Development Officer (PDO) as Members, to monitor the project with following terms of reference:
 - i. The committee shall ensure that all the stipulated conditions are complied with and surrounding forest area is not utilized for dumping of waste.
 - ii. The committee shall ensure that **there is no adverse impact of the project on the surrounding forest area.**
 - iii. In case of violation, the Committee and State Forest Department shall take necessary action and report the violation to IRO, MoEF&CC, Bangalore.
 - iv. The monitoring committee shall submit six monthly report to IRO, MoEF&CC Bangalore.
 3. At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.
 4. Tree felling shall be restricted to the barest minimum possible and under confirmation from the local forest officials.
 5. The user agency shall obtain Environmental Clearance as per the provisions of Environmental (Protection) Act, 1986 and EIA notifications issued thereunder.
 6. The period of diversion under this approval shall be co-terminous with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
 7. The total forest area utilized for the project shall not exceed 0.08 ha.
 8. No labour camp shall be established on the forest land.
 9. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
 10. **The forest land shall not be used for any purpose other than that specified in the project proposal.**
 11. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.
 12. **No damage to the flora and fauna of the adjoining area shall be caused.**
 13. The layout plan of the proposal shall not be changed without the prior approval of the Central Government.
 14. The concerned Divisional Forest Officer, will also **monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.**
 15. The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government and Integrated Regional Office, Bangalore by the end of March every year and
 16. The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

After receipt of compliance report on fulfillment of the conditions mentioned above, the proposal shall be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980. Transfer of forest land shall not be effected till final approval is granted by the Central Government in this regard.

Further, it may also be noted that this in-principle approval shall be valid for a period of 5 years from the date of issue of this letter. In the event of non-compliance of the above conditions, this in-principle approval shall be revoked after 5 years.

Yours faithfully,

(B.N.Arjun Kumar)

Assistant Inspector General of Forests (Central)

Copy to:-

1. The Principal Chief Conservator of Forests (HoFF), Forests Department, Govt. of Karnataka, Aranya Bhavan, 18th Cross, Malleshwaram, Bangalore - 560 003.
2. The Principal Chief Conservator of Forests (FC) / Nodal Officer (FCA), Office of the Principal Chief Conservator of Forests, Forests Department, Govt. of Karnataka, Aranya Bhavan, 18th Cross, Malleshwaram, Bangalore - 560 003.
3. The Panchayath Development Officer, Gram Panchayat, Gokarna, Kunta Taluk, Uttara Kannada -581 326.
4. Guard file.

(B.N.Arjun Kumar)

Assistant Inspector General of Forests (Central)

o/c
2.5.2020

o/c



ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಉತ್ತರಕನ್ನಡ, ಕಾರವಾರ-581 301

OFFICE OF THE DEPUTY COMMISSIONER, UTTARA KANNADA DISTRICT, KARWAR, -581 301

ದೂರವಾಣಿ : } 08382 226406, 226471

Email: dckarwar@gmail.com

Telephone: } 08382 226603 (Fax)

Website: <http://uttara.kannada.nic.in>

No.RB/FOR/CR- 67/2017-18

Date: 27-01-2018

CERTIFICATE

This is to certify that no suitable non-forest land is available in Gokarna Village of Kumta Taluka of Uttar Kannada district to grant land for the purpose of **Construction of Solid Waste processing Unit** at Gokarna village in Kumta Taluka as well as transfer of equivalent non forest land for raising compensatory afforestation in lieu of proposed forest land for diversion.

This certificate has been issued to facilitate Panchayat Development Officer, Grama Panchayat Gokarna of Kumta Taluka to get 2-18-0 Acres of forest land in Gokarna Village of Kumta taluka from the Forest department.

This certificate is issued as per the report of the Tahsildar Kumta.


Deputy Commissioner,
Uttarkannada, Karwar.

To,
Panchayat Development Officer,
Grama Panchayat Gokarna
Kumta



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST LAND

The proposed site 1492 A Hissa 1A area 221.04.00.00, out of this area Grama Panchaya Gokarna, Kumta taluk, dist. Uttara Kannada, we require a land 0.98 ha. to Construct Solid and liquid waste disposal unit.

Gokarna is rural urban area, piligram and tourisom place. Population of Gokarna is 13,539 (2011 Census) and floating population of this place is around 5-7 thousand people. **So around 6-8 tons of wet, dry and Wet waste is generated daily.** It is found that these wastes are being dumped at forest area and surroundings, creating an Unhygienic environment conditions.

In order to avoid these consequences, these wastes needs to be Disposed in a scientific way, either by Recycling or Treating. Construction of Solid and Liquid waste treatment unit is the best solution for this. Since there is no other suitable Non-forest land available for this Project, we demand for an forest land which is a barren land, away from habitation and is found to be best suitable area for this Project. This project will also reduce the impact of unscientific disposal of wastes on environment.

Date : 27-04-2020

Place : Gokarna

K. V. Vinayakumar
ಪಂಚಾಯತ ಅಧ್ಯಕ್ಷರು ಅಧಿಕಾರಿ
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ

ಅಧ್ಯಕ್ಷರು
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ.

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು
ತಾಲೂಕಾ ಪಂಚಾಯತ ಕುಮಟಾ (ಉ.ಕ.)



Government of Karnataka
GRAMA PANCHAYAT GOKARNA

Phone No: 08386-256126 E-mail : gokarna.kum.utt@gmail.com

A NOTE ON THE PROJECT

Gokarna is rural urban area, pilgrim and tourism place. Population of Gokarna is 13,539 (2011 Census) and floating population of this place is around 5-7 thousand people. So around 6-8 tons of wet, dry and Wet waste is generated daily. It is found that these wastes are being dumped at forest land area and surroundings creating an Unhygienic environment conditions.

In order to avoid these consequences, these wastes needs to be Disposed by scientific way, either by Recycling or Treating. A Construction of Solid and Liquid waste treatment unit is the best solution for this. The Project Consists of Waste Treatment Unit which converts waste into Resources by certain methodology. This process will reduce the impact of unscientific disposal of wastes on environment. Forest area which is been used for illegal waste dumping can be avoided. Employment opportunity will be created. One of the resource produced is Compost manure which is very usefull for agricultural purpose.

Date : 27-04-2020

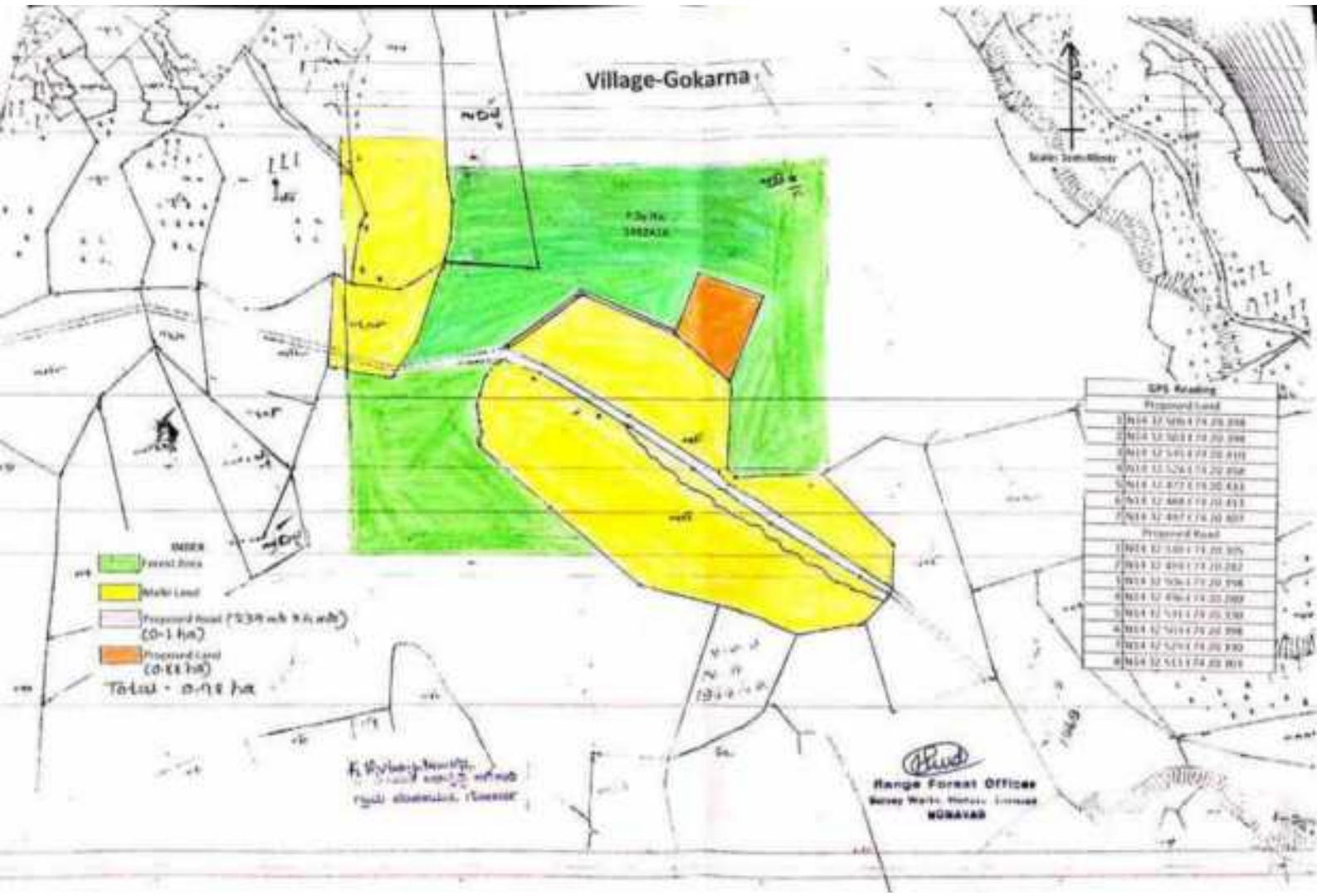
Place : Gokarna

Dr. M. Vinayakumar
ಪಂಚಾಯತ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿ
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ

ಶಾರ್ವನಿವಾಹನಕ ಅಧಿಕಾರಿಗಳು
ತಾಲೂಕಾ ಸಂಚಾರಕ ಕುಮಟಾ (ಉ.ಕ.)

ಅಧ್ಯಕ್ಷರು
ಗ್ರಾಮ ಪಂಚಾಯತ, ಗೋಕರ್ನಾ.

Village-Gokarna



FORM - A

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area

PART - I

(To be filled up by User Agency)

A. General Details**A-1. Project Details**


- (i). **Proposal No.** : FP/KA/Others/36295/2018
- (ii). **Name of Project for which Forest Land is required** : Construction of Solid Waste Unit and Faecal Sludge treatment Plant at Gokarna
- (iii). **Short narrative of the proposal and Project/scheme for which the forest land is required** : Under the Swachh Bharat Mission-Grameen we have Construction of Solid waste unit and Faecal Sludge Treatment Plant for the Scientific Management of Solid waste and Faecal Sludge produced in Gokarna
- (iv). **State** : Karnataka
- (v). **Category of the Proposal** : Others
- (vi). **Shape of forest land proposed to be diverted** : Hybrid
- (vii). **Estimated cost of the Project(Rupees in lacs)** : 50
- (viii). **Area of forest land proposed for diversion(in ha.)**: 0.98
- (ix). **Non-forest land required for this project(in ha.)**: 0
- (x). **Total period for which the forest land is proposed to be diverted(in years)**: 26

A-2. Details of User Agency

- (i). **Name** : GRAMA PANCHAYAT GOKARNA
- (ii). **Address1** : PDO GRAM PANCHAYAT GOKARNA
- (iii). **Address2** : AT : GOKARNA TQ :KUMTA
- (iv). **State** : Karnataka
- (v). **District** : Uttara Kannada
- (vi). **Pin** : 581326
- (vii). **Landmark** : MAVINAKATTE MUDANGI
- (viii). **Email address** : gpgokarna@gmail.com

- (ix). Landline Telephone No. : 8386-256126
(x). Fax No. : 8386-
(xi). Mobile No. : 9743960896
(xii). Website (if any) : NIL
(xiii). Legal status of User Agency : State Government

A-3. Details of Person Making Application

- (i). First Name: PDO
(ii). Middle Name: GRAMA PANCHAYAT
(iii). Last Name: GOKARNA
(iv). Gender: Male
(v). Designation: PDO
(vi). Address 1: GOKARNA
(vii). Address 2: NIL
(viii). State: Karnataka
(ix). District: Uttara Kannada
(x). Tehsil: Kumta
(xi). Pin: 581326
(xii). Landmark: NIL
(xiii). Email Address: gpgokarna@gmail.com
(xiv). Landline Telephone No.: 8386-256126
(xv). Fax No.: NIL
(xvi). Mobile No.: 9743960896
(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: 

B. Details of land required for the Project

- B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past

S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

Details of Divisions involved			
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Honavar	0.98	0
Total		0.98	0

B-2.2 Details of Districts involved

District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Uttara Kannada	0.98	0
Total		0.98	0

B-2.3 Village wise breakup





Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Gokarna Survey No. 1492A hissa 1A	0.98	0
Total		0.98	0

B-2.4 Component wise breakup


Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Watchmen Shed	0.002	0
2	Approach Road	0.1	0

3	Faecal Sludge Treatment Plant	0.2	0
4	Solid waste storage and processing unit	0.558	0
5	Vehicle movement and parking	0.12	0
Total		0.98	0

C. Maps of forest land proposed to be diverted

Division 1. : Honavar		
(i). Area of forest land proposed to be diverted(in ha.) : 0.98		
(ii). Nature of the Project: Hybrid		
(a). No. of patches : One		
Patch wise details		
Patch No.	Area of Patch(in ha.)	Kml File of PatchesTo view KML file on google the same may be downloaded and then open if in google earth install in your computer.
1.	0.88	 View File
(b). No. of Segments : One		
Segment wise details		
Segments	Segment Area(in ha.)	Kml File of Segments (To view KML file on google the same may be downloaded and then open if in google earth install in your computer).
1.	0.1	 View File
(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted:		
(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station:		

D. Justification for locating the Project in forest land and details of alternatives examined:

(i). Copy of note containing justification for locating the Project in forest land: 

(ii). Whether a copy of map indicating location of alternative examine is required to be provided: Yes

(a). Copy of map indicating location of alternative examined: 

E. Employment likely to be generated

(i). Whether the Project is likely to generate employment?: Yes

(ii). Permanent/Regular Employment(Number of persons): 12

(iii). Temporary Employment(Number of person-days): 12

F. Displacement of People due to the Project, if any.

(i). Whether Project involves displacement?: No

G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: No

H. Status of Environmental Clearance

(i). Whether **the Project requires Clearance under the Environment (Protection) Act 1986**?: No

I. Status of Wildlife Clearance


(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(i). Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act,2006 on the forest land proposed to be diverted








(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : Yes

(a). Copy of documentary evidence in support of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted: 

L. Details of land identified for Compensatory Afforestation

- (i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable
- (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable
- (iii) . Reason for not providing Non-Forest Land: Not Applicable

Additional information Details

Documents		
S.No	Documents	Remarks
1		Undertaking for Net Present Value
2		Undertaking for Compensatory Afforestation Charges
3		Undertaking to pay Cost of Extraction of trees
4		Administrative approval for the Project
5		A Note on the Project
6		Additional information/Clarification
7		Additional information and clarifications

Print



৯৭৯৯৯৯৯৯ / ৯৭৯৯৯৯৯৯ / ৯৭৯৯৯৯৯৯ / Gokarna Gram Panchayat, Memo No -11/GOK/22-23



Gokarna Gram Panchayat, Memo No -11/GOK/22-23

Gokarna Gram Panchayat, Memo No -11/GOK/22-23				
Title	Description	Start Date	End Date	File
Gokarna Gram Panchayat, Memo No -11/GOK/22-23	Memo No -11/GOK/22-23 Download the attachment for detailed information.	09/04/2022	22/04/2022	View (2 MB) 