

Indian Institute of Science

**“ My village water
Resources
And Associated
Biodiversity”**

V.V.D. SCHOOL OF EXCELLENCE

HALIYAL



LAKE PROJECT OF THE REVENUE

VILLAGE

VILLAGE NAME ---->

GUNDOLLI

Panchayat name -->

Gram panchayat Gundolli

▣ Taluk -->

Haliyal

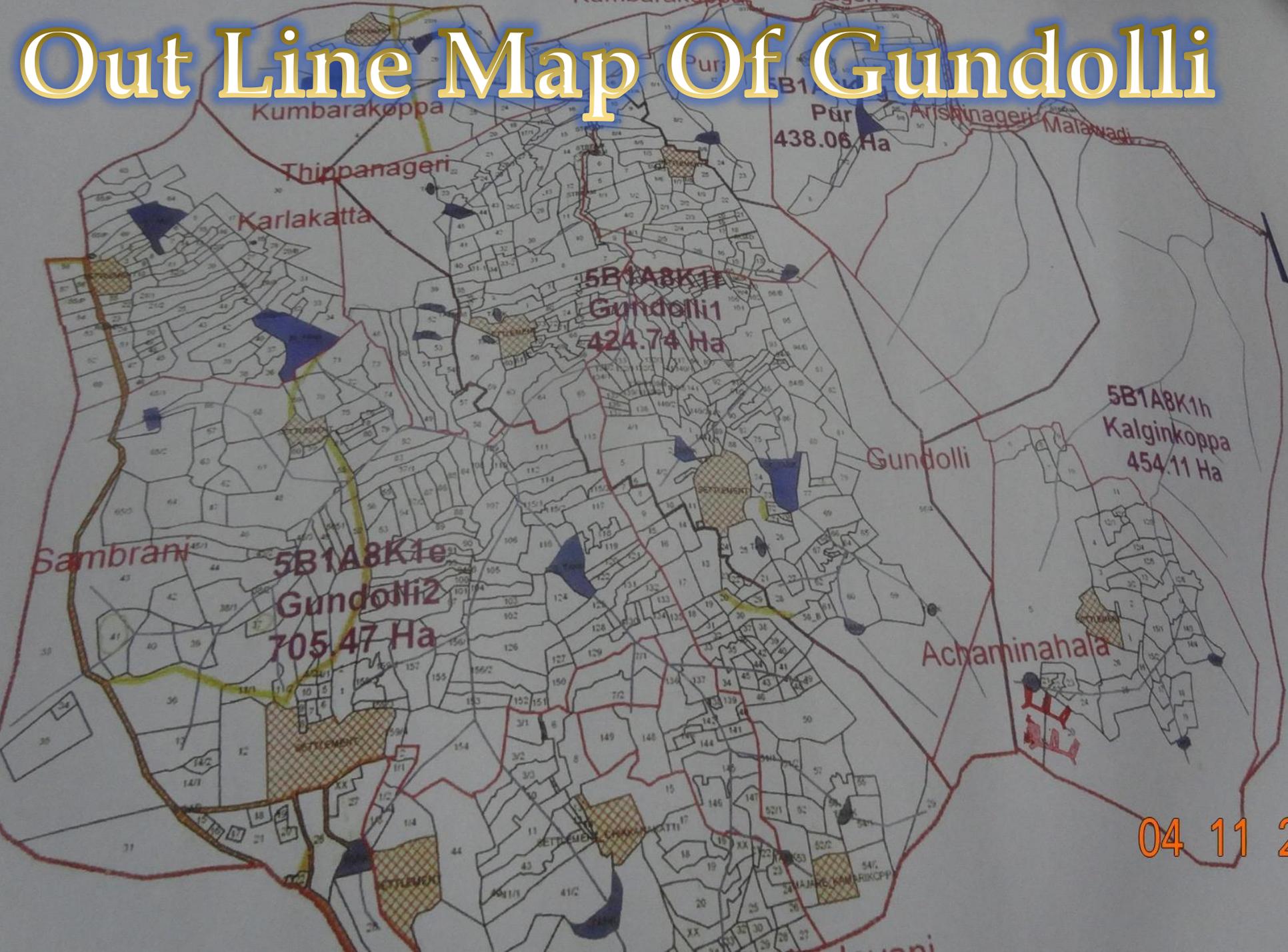
▣ Pin code-->

581329

▣ School Name

V.V.D School of
Excellence, Haliyal

Out Line Map Of Gundolli



Village water body areas

- ▣ Number of rivers → 0
- ▣ Number of ponds → 0
- ▣ Number of falls → 1 -- Godse falls
- ▣ Non availability of falls water - March , April, May ,June only.



▣ Number of lakes -→ 4

- **Dodda lake** - available through out year
- **Basavana lake** -- available for 9 months.
- **Kharappan lake**-- available for 9 months.
- **Kalamman lake**-- available through out year.

▣ Number of River falls → 2

- **Godse valley**
- **Basavanna valley** - 1 check dam

Cultivation beside The lake



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Water ways

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A photograph of two young boys sitting on the grassy bank of a well. The boy on the left is wearing a light blue shirt and a backpack, while the boy on the right is wearing a red and blue plaid shirt. They are both looking towards the camera. A yellow plastic bag with the text 'AKSHAT LADIES TAILOR' is on the ground between them. The well is a circular stone structure with water inside, surrounded by lush green grass and some small pink flowers. The background shows a stone wall and more greenery.

WELLS

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Private wells and Public wells	Depth in mtrs	Usage	Amount of Water in months				
			Over Flow	Filled $\frac{3}{4}$ the well	Half Filled	Filled $\frac{1}{4}$	Dried Up / Less Water
Bobi Fernandes	60 Mtrs	Home	July	August	November	March	April
Narayan kashilkar	90 Mtrs	Other	July	August	November	March	April
Kalika devi well	120 Mtrs	Other	July	August	November	March	April
Kushap gauda	130 Mtrs	Plantati on	July	August	November	March	April
Honnappa kambrekar	30 Mtrs	Field	July	August	November	March	April



Kalika devi WELL

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Shiva
Temple Beside lake



Old plot's in the village



Sl No	Types of Forests	Yes	No
a)	Evergreen Forests	✓	
b)	Partial Evergreen Forests	✓	
c)	Deciduous Forests	✓	
d)	Shrub Forests	✓	
e)	Kandla Forests		✓
f)	Savannah		✓
g)	Soppina betta		✓



SCENERIES AROUND THE WATER BODIES

In a range of 150 m

A Pasture Land

Yes

No

B Rocky Sights /
Areas

✓

i. Arashingiri

Redstone , Bemba

ii. Shekhanakatta

Benchu Stone

ii Around the Lake

Vajradundi Stone

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***PLANT VARIETIES AROUND THE
WATER BODIES***

VARIETIES OF RICE FOUND

- INTAN
- CHIMNY SALI
- JAYA
- JAYA DADAGA
- AKKAL SALI
- RAJPAL

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A) Plants

i) Medicinal Plants

Name of the plants	Availability	Part of the plant used	Use
ಓಳೆಸರ	Less	Plant	For Skin
Aloe Vera	Medium	Creeper	Body and hairs
Curry Leaves	More	Leaves	Good for Eyes

CURRY LEAVES
And
GINGER





B) Wild Plants used in Food

Name of the plants	Availability	Part of the plant used	Use
Bamboo Shoot	Less	-	Good for Health
Mushroom (Fungi)	Medium	Whole	Good for Health



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Name of the Tree

Specialty

1. Udachamma's Tree

Idol of Goddess Udachamma is placed for the Tree

D) Plant Products (Wild)



Plant Product collectors	Name of the Product	Usage
Narayan Mirashi	Wood	Self
Arun mirashi	Amla	Commercial
Parashuram Gowda	Honey	Commercial

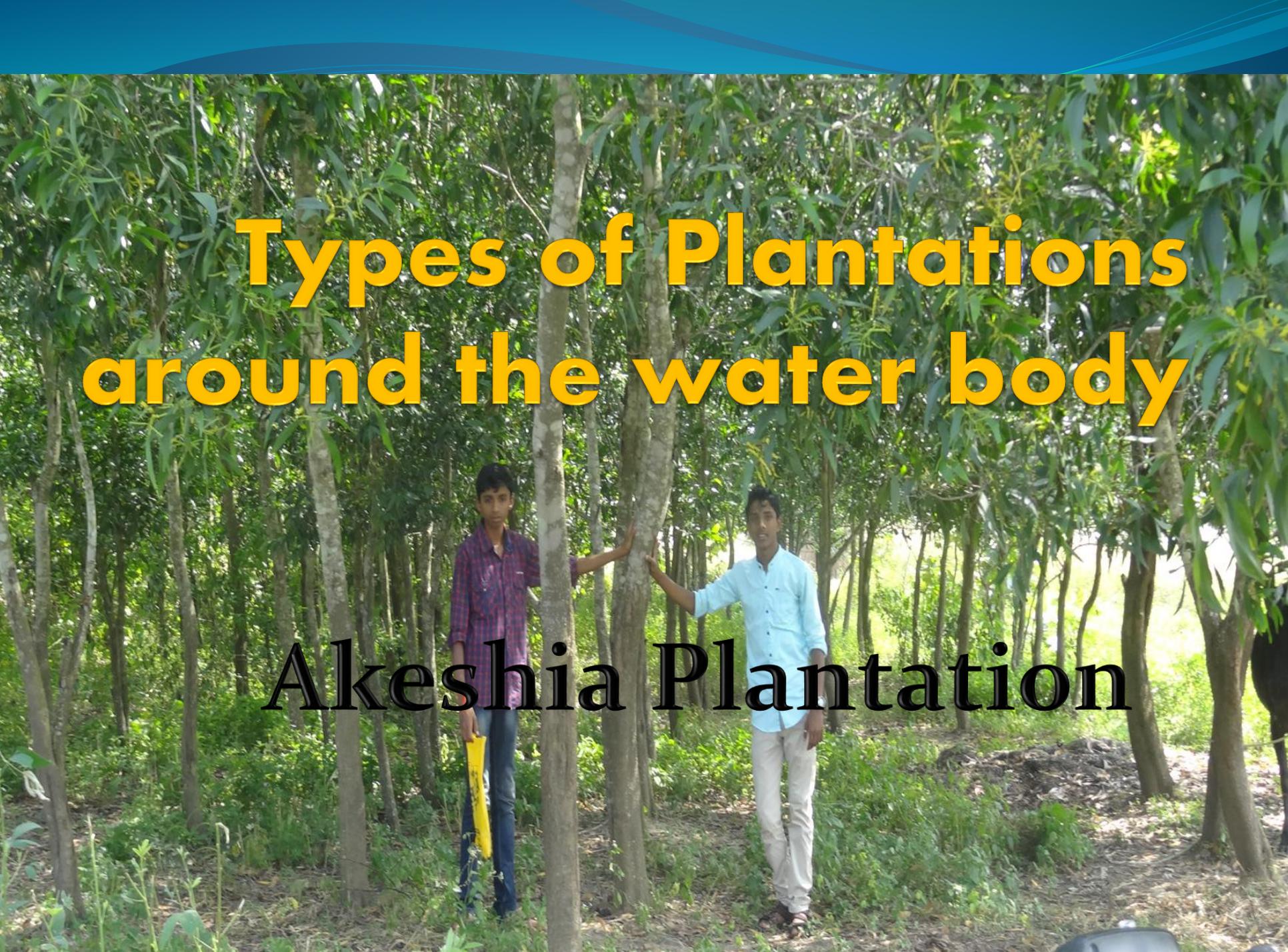
Occupation

i. Occupation Crops and their Breeds

Occupation Crop	Breed	Name of the Farmer	Apprx. Area
Sugarcane		Ganapati N. Bille	2 acres
Paddy	Intan	Maruti Junjwadkar	2 Acres
Paddy	Jayadodga	Sahadev Dalaal	1 Acre
Maize	CP408	Demanna Kamrekar	2 Acres
Paddy	Intan	Satish R. Dalaal	4 Acres
Paddy	Sali	Bharamanna Chougale	1 Acre
Paddy	Jaya	Mahadev Mirashi	2 Acres
Cotton	Chinnasali	Omanna Desurkar	4 Acres

Types of Plantations around the water body

Akeshia Plantation

A photograph of a plantation of Akeshia trees. Two men are standing in the middle of the plantation, flanking a tree trunk. The man on the left is wearing a purple and white checkered shirt and blue jeans, holding a yellow bag. The man on the right is wearing a light blue shirt and white trousers. The trees are tall and thin with dense green foliage. The ground is covered with dry leaves and some green plants. The background shows more trees and a bright sky.

COCONUT PLANTATION



A photograph of a lush mango plantation. The trees are tall and full of green leaves, filling most of the frame. The sky is a pale, clear blue. The text 'Mango plantation' is written across the middle of the image in a green, stylized font with a white outline and a slight drop shadow.

Mango plantation



Paddy cultivation



Corn cultivation



COTTON CULTIVATION



PLANTATION

i) **Plantations around the water bodies**

Crop	Name of the Farmer	Apprx. Area
Turmeric	Subhash Kamrekar	1/4 Gunta
Long beans	Vittal Tippalkar	1/2 Gunta

Plantation

i) Vegetable Crops

Name of the Farmer	Vegetable Crop	Qty
Annappa Fakri	Black Moong	2-3 quintal
Basawant Madiwal	Pigeon Pea	3-4 quintal
Gundu Junjwad	Black Moong	3-4 quintal
Mareppa Belgaonkar	Black Moong	2-3 quintal

USE OF FERTILIZERS



H) Organic Farming

Name of the Farmer	Crop grown	Usage
Manjunath Kaletkar	Paddy	Self - 100%
Manjunath Bille	Paddy	Self - 75% Selling - 25%
Arun Mirashi	Sugarcane/ Paddy	Self - 25% Selling - 75%



Use of organic manure

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Use fertilizers and manure

Name of the farmer	Crop name	Manure used	Area in Acer	Fertilizers used	Expenditure in rs
Gundu toreskar	Ground nut	Gypsum	1 acre	N.P.k	4000/acre
Rukma pipalkar	vegetables	Organic	1acre	N.P.k	5000/acre
Narayan salunka	vegetables	organic	20 gunte	N.P.k	3000/acre

Environment around the lake

Maintained by water supply department

Use of desert waste land for development of storage water





Pottery



Ningapa . Kumbhar

04 11 2011

04 11 2011



Basket making



Yallapa . Madiwal

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Crane



Wild hen



Lotus

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COWS

Jersey

Sahiwal

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Bio gas usage

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Biodiversity around the lake

Name of fishes	available
Small fishes	more
Dekul	less

A large fish, likely a Sanju kadam, is shown lying on a green surface. The fish has a dark, mottled pattern on its upper body and a lighter, silvery-grey pattern on its lower body. It has a prominent eye and a slightly open mouth. The background is a solid green color.

FISHERMEN

Sanju kadam – catches 2-3 kg of fish

**Sell 75%,
25% self use**

A photograph showing a shoreline covered in a dense layer of trash, including plastic bottles, paper, and other debris. The water is dark and appears polluted. A purple rectangular box is overlaid on the center of the image, containing the text "Dirty City lakes" in a black, serif font.

Dirty City lakes

A photograph of a village lake. The lake is in the middle ground, surrounded by a thick layer of tall green grass. In the background, there are several houses with brown roofs and a dense line of palm trees. The foreground is filled with various green plants and some dry, yellowish grass. The text "Clean- well maintained village lake" is overlaid in the center of the image.

**Clean- well maintained
village lake**

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THANK YOU



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