

GOVERNMENT OF KARNATAKA

NO: Agri-ACT/158/2022

Karnataka Government Secretariat,  
Multi Storied Building,  
Bengaluru, dated: 16.09.2023.From,  
The Secretary to Government,  
Agriculture Department.'URGENT'  
'By SPEED POST'

To,

1. Shri Justice Arun Kumar Tyagi,  
Hon'ble Judicial Member,  
National Green Tribunal,  
Faridkot House, Copernicus Marg,  
New Delhi-110 001.
2. Dr. Afroz Ahmad,  
Hon'ble Expert Member,  
National Green Tribunal,  
Faridkot House, Copernicus Marg,  
New Delhi-110 001.

Sir,

**Sub:** National Green Tribunal Original Application No.180/2022-reg**Ref:** 1. National Green Tribunal Order Dated:08/07/2022.2. Director of Agriculture, Letter No:DDA(Fert&Org.mann)/QC/  
/47A/2023-24, dated:02-06-2023.

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With reference to the above subject, regarding National Green Tribunal Order dated:08/07/2022, I am here with directed to send compliance report from Agriculture Department, Karnataka State (reference-2) for kind & needful action.

Yours faithfully,

  
( K.B. PRAKASH)
Deputy Secretary to Government-2,  
Agriculture Department.

hd. R.G.   
20/09/2023

Judicial

017/80/2022

PL prakash rfp  
Mr Bhargava 20/9

4478/RGT  
20/9/2023267/HEN/D.A.A.  
20/09/202366/23/Jud.  
21/09/23

184

Sparrow

ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
(ಕೃಷಿ ಇಲಾಖೆ)

ಸಂ: ಉಕ್ಕನಿ(ರಗೊ&ಸಾಗೊ)/ಗುನಿ/47A/2023-24

ಕೃಷಿ ಆಯುಕ್ತರ ಕಾರ್ಯಾಲಯ,  
ಶೇಷಾದ್ರಿ ರಸ್ತೆ, ಬೆಂಗಳೂರು,  
ದಿನಾಂಕ: 02-06-2023

ಇವರಿಗೆ,

ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು,  
ಕೃಷಿ ಇಲಾಖೆ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ,  
ಬೆಂಗಳೂರು.

ಮಾನ್ಯರೇ,

ವಿಷಯ: National Green Tribunal, New Delhi Original Application No. 180/2022 ಪ್ರಕರಣಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಇಲಾಖೆಯ ಉತ್ತರ/ಮಾಹಿತಿಯನ್ನು ಸಲ್ಲಿಸುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಸರ್ಕಾರದ ಪತ್ರ ಸಂಖ್ಯೆ AGRI-ACT/158/2022 ದಿನಾಂಕ 27.07.2022  
2. ಜಂಟಿ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಬೆಳಗಾವಿ ಇವರ ವರದಿ ದಿನಾಂಕ 22.08.2022

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, National Green Tribunal, New Delhi Original Application No. 180/2022 ಪ್ರಕರಣಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಇಲಾಖೆಯ ಉತ್ತರ/ಮಾಹಿತಿಯನ್ನು ಸಲ್ಲಿಸಲು ಉಲ್ಲೇಖಿತ 1ರ ಸರ್ಕಾರದ ಪತ್ರದಲ್ಲಿ ತಿಳಿಸಲಾಗಿತ್ತು. ಈ ಸಂಬಂಧ ಜಂಟಿ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಬೆಳಗಾವಿ, ಉಪ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಚಿಕ್ಕೋಡಿ, ಸಹಾಯಕ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಹುಕ್ಕೇರಿ ಮತ್ತು ಮಣ್ಣು ಆರೋಗ್ಯ ಕೇಂದ್ರದ ಸಿಬ್ಬಂದಿಯು ದಿನಾಂಕ 17.08.2022 ರಂದು ಮೆ: ಶ್ರೀ ಹಿರಣ್ಯಕೇಷಿ ಸಹಕಾರಿ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆ, ಸಂಕೇಶ್ವರ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ ಇಲ್ಲಿನ ಸುತ್ತಮುತ್ತಲಿನ ಪ್ರದೇಶಕ್ಕೆ ಭೇಟಿ ನೀಡಿ ಪರಿಶೀಲನೆಯನ್ನು ಕೈಗೊಂಡು ವರದಿಯನ್ನು ಉಲ್ಲೇಖಿತ 2ರನ್ವಯ ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಲಾಗಿರುತ್ತದೆ.

ಸದರಿ ವರದಿಯಲ್ಲಿ ಮೆ: ಶ್ರೀ ಹಿರಣ್ಯಕೇಷಿ ಸಹಕಾರಿ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಸುಮಾರು 102 ಎಕರೆ ಪ್ರದೇಶದಲ್ಲಿ ರೈತರು ಪ್ರಮುಖ ಬೆಳೆ ಕಬ್ಬಿನ ಜೊತೆಗೆ ಇತರ ಬೆಳೆಗಳನ್ನು ಬೆಳೆಯುತ್ತಿದ್ದು, ಬೆಳೆಗಳಿಗೆ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆಯಿಂದ ಹೊರಬರುವ ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ರೈತರೇ ಒಪ್ಪಿ ಬೆಳೆಗಳ ಉತ್ಪಾದನೆಗೆ ಬಳಸಿಕೊಳ್ಳುತ್ತಿರುವುದು ಆಯ್ದು ರೈತರೊಂದಿಗೆ ಚರ್ಚಿಸಿದಾಗ ತಿಳಿದುಬಂದಿರುತ್ತದೆ. ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ಬಳಸುತ್ತಿರುವ ಪ್ರದೇಶದಲ್ಲಿ ಹೆಚ್ಚಿನ ಪ್ರಮಾಣದಲ್ಲಿ ನೀರು ನಿಲ್ಲಿಸದಿರಲು ರೈತರಿಗೆ ತಿಳಿಸಿದ್ದು, ಸದರಿ ಪ್ರದೇಶವು ಖುಷಿ ಪ್ರದೇಶವಾಗಿರುವುದರಿಂದ ನೀರನ್ನು ಮಿತವ್ಯಯವಾಗಿ ಬಳಸುತ್ತಿರುವುದು ಕಂಡುಬಂದಿರುತ್ತದೆ.

ಮುಂದುವರಿದು, ಸದರಿ ಪ್ರದೇಶದಲ್ಲಿನ ಆಯ್ಕೆ ರೈತರ ತಾಕುಗಳಲ್ಲಿ 6 ಮಣ್ಣು ಮಾದರಿಗಳ ಪೈಕಿ 4 ಮಣ್ಣು ಮಾದರಿಗಳನ್ನು ಸಂಸ್ಕರಿಸಿದ ನೀರು ಬಳಕೆ ಮಾಡಿದ ಪ್ರದೇಶದಿಂದ ಹಾಗೂ 2 ಮಣ್ಣು ಮಾದರಿಗಳನ್ನು ತ್ಯಾಜ್ಯ ನೀರು ಹರಿದು ನದಿ ಸೇರುವ ಕಾಲುವೆಯ ಎರಡೂ ಬದಿಯ ಪ್ರದೇಶದಿಂದ ಮತ್ತು 4 ನೀರು ಮಾದರಿಗಳನ್ನು ಮೇಲೆ ತಿಳಿಸಿರುವ ಪ್ರದೇಶದಲ್ಲಿನ ಕೊಳವೆ ಬಾವಿಗಳಿಂದ ಮಾರ್ಗಸೂಚಿಯನುಸಾರ ಸಂಗ್ರಹಿಸಿ ವಿಶ್ಲೇಷಣೆಗೆ ಒಳಪಡಿಸಲಾಗಿರುತ್ತದೆ. ವಿಶ್ಲೇಷಣೆಯಲ್ಲಿ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆಯಿಂದ ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ಬಳಸುತ್ತಿರುವ ಪ್ರದೇಶದಲ್ಲಿ ನೀರಿನ ಬಳಕೆಯಿಂದಾಗಿ ಮಣ್ಣಿನ ಸಾಮಾನ್ಯ ಗುಣಧರ್ಮಗಳಿಗೆ ಹಾನಿಯಾಗಿರುವುದು ಕಂಡುಬಂದಿರುವುದಿಲ್ಲ. ಅದೇ ರೀತಿ ಸಂಸ್ಕರಿಸಿದ ನೀರನ್ನು ಬಳಸಿದ ಪೂರ್ವದಲ್ಲಿ (ನದಿ ನೀರು) ಮತ್ತು ಬಳಸಿದ ನಂತರದಲ್ಲಿ ನೀರಿನ ಗುಣಮಟ್ಟದಲ್ಲಿ ಗಮನಿಸಬಹುದಾದ ಯಾವುದೇ ಬದಲಾವಣೆಗಳು ಕಂಡುಬಂದಿರುವುದಿಲ್ಲ.

ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಜಂಟಿ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಬೆಳಗಾವಿ, ಇವರ ವರದಿ ದಿನಾಂಕ 22.08.2022ನ್ನು ಒಪ್ಪಬಹುದಾಗಿದ್ದು, ಸದರಿ ವರದಿಯನ್ನು ಮಾನ್ಯ ನ್ಯಾಯಾಲಯಕ್ಕೆ ಸರ್ಕಾರಿ ವಕೀಲರ ಮೂಲಕ ಸಲ್ಲಿಸಬಹುದಾಗಿದೆ ಎಂಬ ಅಭಿಪ್ರಾಯದೊಂದಿಗೆ ಜಂಟಿ ಕೃಷಿ ನಿರ್ದೇಶಕರು, ಬೆಳಗಾವಿ, ಇವರ ವರದಿಯನ್ನು ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ ಸಲ್ಲಿಸಿದೆ.

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಕೃಷಿ ನಿರ್ದೇಶಕರು



**Government of Karnataka**  
**DEPARTMENT OF AGRICULTURE**  
**OFFICE OF JOINT DIRECTOR OF AGRICULTURE, BELAGAVI**  
**E-MAIL: [jdabgm@rediffmail.com](mailto:jdabgm@rediffmail.com)** **Phone No: 0831-2407232**

No. JDA/BGM/SSSK/ 2022-23

Date : 22.08.2022

~~To,~~  
 ✓ Principal Secretary,  
 Secretariat of Agriculture,  
 M. S Building, Bangalore- 560 001

Respected Sir,

**Sub: Inspection of crop fields in the vicinity of M/s Shri Hiranyakeshi Sahakari Sakkare Kharkhane (SSSK) at Sankeshwar Tq: Hukkeri Dist:Belagavi reg...**

Ref: Your letterNo:AGRI-ACT/158/2022, Dtd: 27.07.2022

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As mentioned in the subject cited above, and as envisaged in the Order by the Honorable National Green Tribunal, upon instructions vide Ref-1, a detailed inspection was carried out on the 17<sup>th</sup> August, 2022 in the vicinity of M/s Hiranyakeshi SSSK, Sankeshwar of Hukkeri taluka in Belagavi District, both in the fields where the effluent water treated by the said sugar unit is used (102 Acre) for cultivation by the farmers whose fields lie in the proximity of the unit and in the fields adjacent to the site where the treated effluent water makes its way to River Hiranyakeshi, a tributary of River Krishna. The findings of the inspection team, comprising of District Joint Director of Agriculture, Deputy Director of Agriculture, Chikkodi, Assistant Director of Agriculture, Hukkeri and staff of the Soil Health Centre (SHC), Gokak, and of the associated analyses are detailed hereunder.

1) The factory is presently non functional due to Offseason. The effluent water, once treated is being released and made use of by many farmers who have been cultivating primarily sugarcane in their crop fields. Nine of the farmers whom the team met during the inspection are of the opinion that the Sugar Unit allows them to use the treated water on their own request for crop production and that the authorities involved in treatment and release of the effluent water for agriculture usage make it sure that the water released thus does not inundate and cause any sorts of damages in their fields during and after the usage. Further, they have stated that all of them are able to cultivate a

commercial crop such as sugarcane only because of the availability of this effluent treated water in an area that would otherwise essentially be a dry land.

2) The farmers are of the opinion that they are able to obtain a yield of sugarcane that is easily comparable to what the irrigated farmers witness in their fields. Also, the farmers have stated that the menacing effect of root grubs on sugarcane output, noticed in many other irrigated fields using bore-well and river waters, is not found in the fields where effluent treated water is the source of irrigation.

3) With an intension of ascertaining the effect of effluent treated water on the basic parameters that govern the soil properties related to crop production, four soil samples were drawn from the fields irrigated with the water released by the sugar unit post treatment and two soil samples were drawn from the fields located on the way to effluent water making its confluence with the river course. The results of the analysis at the state designated laboratory (SHC) Gokak, dist : Belagavi indicate that the soils have not been subjected to any deterioration on account of usage of either the effluent treated water or of the water that is available for irrigation in the fields located down below (Analytical Results Table-1)

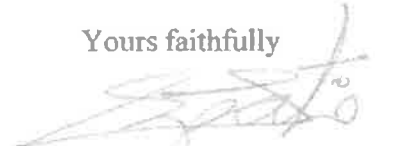
4) Similarly, four water samples were also drawn from the wells located in the areas aforementioned and analyzed for those parameters which would be of any detrimental effect for the crop production and results suggest no notable variations upon or before merger of treated effluent water with the river water (Results enclosed Table-2)

Thanking You

Enclosed:

- 1) Soil sample analysis report (Abstract)
- 2) Water sample analysis report (Abstract)
- 3) Soil & water sample analysis report (Detailed)
- 4) Field Inspection photos

Yours faithfully



Joint Director of Agriculture,  
Belagavi, Karnataka.

Copy Submitted to the Agriculture Commissioner, Commissionerate Of Agriculture, Seshadri Road, Bengaluru , for kind information.

Table-1

## Soil Sample Analysis Result (Abstract) of Hiranyakashi Sugar Factory area of sankeshwar Tq: Hukkeri

Sl.No	Soil health details	Normal	Unit	Result	Result	Result	Result	Result	Result
				Sy.No: 324/B	Sy.No: 210/*	Sy.No: 79/*	Sy.No: 411/*	Sy.No: 161/*	Sy.No: 156/*
1	PH	<6-9>		8.10	8.00	8.00	8.10	6.40	7.70
2	EC	<1.0	dS/m	0.030	0.020	0.020	0.01	0.014	0.01
3	Available Organic Carbon (OC)	0.5-0.75	%	0.45	0.49	0.82	0.88	0.57	0.61
4	Available Nitrogen (N)	<280-560>	kg/ha	232.74	253.42	424.10	455.13	294.80	315.49
5	Available Phosphorus (P)	<10-25>	kg/ha	9.10	8.30	4.30	4.10	14.30	36.10
6	Available Potassium (K)	<150-360>	kg/ha	253.29	120.37	842.87	249.62	319.56	115.87
7	Available Zinc (Zn)	0.6	ppm	0.18	0.03	1.21	1.00	1.37	0.76
8	Available Iron (Fe)	4.5	ppm	1.80	1.00	2.00	0.75	11.00	1.70
9	Available Copper (Cu)	0.2	ppm	2.61	2.57	4.12	2.90	6.97	3.04
10	Available Magnanese (Mn)	2	ppm	1.17	1.10	1.91	1.05	55.47	11.44
11	Available Boran (B)	0.5	ppm	0.49	0.37	0.47	0.46	0.48	0.25
12	Available Sulphur (S)	<10-20>	ppm	11.23	6.00	15.30	14.20	17.60	23.62

## Nutrients Classification in Soil Health Card

Factors				Micro nutrients			Remarks
EC		Ph		Micro nutrients		Critical limits	
Normal	Critical	Danger	Acidic	Normal	Alkaline	Zinc (ppm)	Lack of
Less than 1	1.0 to 2.0	More than 2	Less than 5.5	5.5 to 7.5	More than 7.5	Iron (ppm)	
						Copper (ppm)	
						Manganese (ppm)	
						Boron (ppm)	
						Sulphur (ppm)	
Remarks : Above the critical threshold, the level of that micro nutrient is sufficient.							
Major Nutrients and Their Classification							
Nutrients		Very low	Low	Neutral	High	Very high	
Organic carbon (%)		Less than 0.25	0.25 to 0.50	0.5 to 0.75	0.75 to 1.0	More than 1.0	
Nitrogen (Kg/ha)		Less than 140	140 to 280	280 to 560	560 to 700	More than 700	
Phosphorus (Kg/ha)		Less than 5	5 to 10	10 to 25	25 to 40	More than 40	
Potash (Kg/ha)		Less than 60	60 to 120	120 to 280	280 to 560	More than 560	

For more information Farmers toll free no 1800-425-3553 or Kindly Visit near Rait sampark Kendra.

Obtaining Bio fertilizers, Soil improvers and Micro nutrients at the nearest Rait sampark kendra As per recommendation of Soil health Service.

Table-2

Water Sample Analysis Result (Abstract) of Hiranyakashi Sugar Factory area of sankeshwar Tq: Hukkeri


Sl.No	Soil health details	Normal	Result		Result		Result			
			Sy.No: 324/B	Rating	Sy.No: 411/*	Rating	Sy.No: 161/*	Rating	Sy.No: 156/*	Rating
1	PH	<6-9>	7.20	Neutral	7.30	Neutral	7.10	Neutral	7.00	Neutral
2	EC	<1-2>	0.091	Sufficient	0.10	Sufficient	0.112	Sufficient	0.099	Sufficient

Govt of Karnataka  
Dept of Agriculture

## Soil Sample Report

- 1) Lab No : 879  
 2) Sample Drown Year : 2022-23  
 3) Taluk : Hukkeri Hobli : Sar keshwar Village : Sankeshwar  
 4) Analysis Form : Macro Nutrient/Micro Nutrient  
 5) Name : Chandrashekar Mallappa Killedar  
 6) Address : Sankeshwar  
 7) Soil Type : Black Soil  
 8) Survey No : 324/B  
 9) Irrigation/Rainfaid : Canal / Well / River  
 10) Season : Kharif  
 11) Objective Crop : Sugercane

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	8.1	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.030	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.45	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	232.74	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	9.1	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	253.29	Less/Normal/Excess
7	Zinc (Zn)	0.6	0.18	Less/Normal/Excess
8	Iron (Fe)	4.50	1.8	Less/Normal/Excess
9	Copper (Cu)	0.2	2.61	Less/Normal/Excess
10	Manganese (Mn)	2.00	1.17	Less/Normal/Excess
11	Boron (B)	0.5	0.49	Less/Normal/Excess
12	Sulphur (S)	<10-20>	11.23	Less/Normal/Excess

Attested  


Q. No. 10  
 10/10/2022  
 10/10/2022

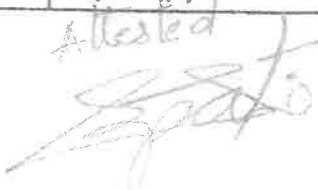
## Govt of Karnataka


Dept of Agriculture

## Soil Sample Report

- 1) Lab No : 879
- 2) Sample Drown Year : 2022-23
- 3) Taluk : Hukkeri Hobli : Sankeshwar Village : Kamatanur
- 4) Analysis Form : Macro Nutrient/Micro Nutrient
- 5) Name : Kashappa Lagamappa Koinur
- 6) Address : Kamatanur
- 7) Soil Type : Black Soil
- 8) Survey No : 210/\*
- 9) Irrigation/Rainfaid : Canal / Well / River
- 10) Season : Kharif
- 11) Objective Crop : Sugercane Groundnut

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	8.0	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.020	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.49	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	253.42	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	8.3	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	120.37	Less/Normal/Excess
7	Zinc (Zn)	0.6	0.03	Less/ Normal /Excess
8	Iron (Fe)	4.50	1.0	Less/ Normal /Excess
9	Copper (Cu)	0.2	2.57	Less/ Normal /Excess
10	Mangense (Mn)	2.00	1.10	Less/ Normal /Excess
11	Boron (B)	0.5	0.37	Less/ Normal /Excess
12	Sulphur (S)	<10-20>	6.0	Less/Normal/Excess

Attested  



  
 ಕೃಷಿ ಅಧಿಕಾರಿಗಳು  
 ಜಿಲ್ಲಾ ಮಟ್ಟದ, ಹುಕ್ಕೇರಿ

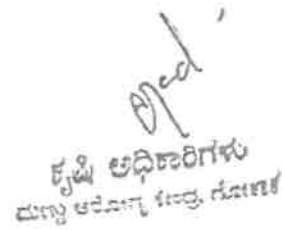
Govt of Karnataka  
Dept of Agriculture

## Soil Sample Report

- 1) Lab No : 879  
 2) Sample Drown Year : 2022-23  
 3) Taluk : Hukkeri Hobli : Sankeshwar Village : Gavanal  
 4) Analysis Form : Macro Nutrient/Micro Nutrient  
 5) Name : Basavaraj Dundappa Bastawade  
 6) Address : Gavanal  
 7) Soil Type : Black Soil  
 8) Survey No : 79/\*  
 9) Irrigation/Rainfaid : Canal / Well / River  
 10) Season : Kharif  
 11) Objective Crop : Sugercane

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	8.0	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.020	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.82	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	424.10	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	4.3	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	842.87	Less/Normal/Excess
7	Zinc (Zn)	0.6	1.21	Less/ Normal /Excess
8	Iron (Fe)	4.50	2.0	Less/ Normal /Excess
9	Copper (Cu)	0.2	4.12	Less/ Normal /Excess
10	Manganese (Mn)	2.00	1.91	Less/ Normal /Excess
11	Boron (B)	0.5	0.47	Less/ Normal /Excess
12	Sulphur (S)	<10-20>	15.3	Less/Normal/Excess

Attested  


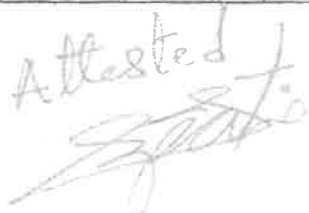
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Govt of Karnataka  
Dept of Agriculture

## Soil Sample Report

- 1) Lab No : 879  
 2) Sample Drown Year : 2022-23  
 3) Taluk : Hukkeri Hobli : Sankeshwar Village : Sankeshwar  
 4) Analysis Form : Macro Nutrient/Micro Nutrient  
 5) Name : Iragouda Balagouda Patil  
 6) Address : Sankeshwar  
 7) Soil Type : Black Soil  
 8) Survey No : 411/\*  
 9) Irrigation/Rainfaid : Canal / Well / River  
 10) Season : Kharif  
 11) Objective Crop : Sugercane Soyabean

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	8.1	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.014	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.88	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	455.13	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	4.1	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	249.62	Less/Normal/Excess
7	Zinc (Zn)	0.6	1.00	Less/ Normal /Excess
8	Iron (Fe)	4.50	0.75	Less/ Normal /Excess
9	Copper (Cu)	0.2	2.90	Less/ Normal /Excess
10	Mangense (Mn)	2.00	1.05	Less/ Normal /Excess
11	Boron (B)	0.5	0.46	Less/ Normal /Excess
12	Sulphur (S)	<10-20>	14.2	Less/Normal/Excess

Attested  



  
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Govt of Karnataka  
Dept of Agriculture

Soil Sample Report

- 1) Lab No : 879  
 2) Sample Drown Year : 2022-23  
 3) Taluk : Hukkeri Hobli : Sankeshwar Village : Gotur  
 4) Analysis Form : Macro Nutrient/Micro Nutrient  
 5) Name : Yallappa Bhimappa Sanadi Urf Mannikeri  
 6) Address : Gotur  
 7) Soil Type : Black Soil  
 8) Survey No : 161/\*  
 9) Irrigation/Rainfaid : Canal / Well / River  
 10) Season : Kharif  
 11) Objective Crop : Sugercane Soyabean

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	6.4	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.014	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.57	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	294.80	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	14.3	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	319.56	Less/Normal/Excess
7	Zinc (Zn)	0.6	1.37	Less/ Normal /Excess
8	Iron (Fe)	4.50	11	Less/ Normal /Excess
9	Copper (Cu)	0.2	6.97	Less/ Normal /Excess
10	Manganese (Mn)	2.00	55.47	Less/ Normal /Excess
11	Boron (B)	0.5	0.48	Less/ Normal /Excess
12	Sulphur (S)	<10-20>	17.6	Less/Normal/Excess

Attested  


  
 Digitally signed by  
 Yallappa Bhimappa Sanadi Urf Mannikeri


Govt of Karnataka  
Dept of Agriculture

Soil Sample Report

- 1) Lab No : 879  
 2) Sample Drown Year : 2022-23  
 3) Taluk : Hukkeri Hobli : Sankushwar Village : Gotur  
 4) Analysis Form : Macro Nutrient/Micro Nutrient  
 5) Name : Paragouda Bapugouda Pati  
 6) Address : Gotur  
 7) Soil Type : Black Soil  
 8) Survey No : 156/\*  
 9) Irrigation/Rainfaid : Canal / Well / River  
 10) Season : Kharif  
 11) Objective Crop : Sugercane Soyabean

Sl No	Soil Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	7.7	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1.0	0.910	Normal/Critical/Danger
3	Organic Carbon (OC)	0.5-0.75	0.61	Less/Normal/Excess
4	Available Nitrogen (N)	<280-560>	315.49	Less/Normal/Excess
5	Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	<10-25>	35.1	Less/Normal/Excess
6	Available Potash (K <sub>2</sub> O)	<150-360>	115.87	Less/Normal/Excess
7	Zinc (Zn)	0.6	0.76	Less/ Normal /Excess
8	Iron (Fe)	4.50	1.7	Less/ Normal /Excess
9	Copper (Cu)	0.2	3.04	Less/ Normal /Excess
10	Manganese (Mn)	2.00	11.44	Less/ Normal /Excess
11	Boron (B)	0.5	0.25	Less/ Normal /Excess
12	Sulphur (S)	<10-20>	23.62	Less/Normal/Excess

Attested  


  
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## Govt of Karnataka


Dept of Agriculture

## Water Sample Report

- 1) Sample Drown Year : 2022-23  
 2) Taluk : Hukkeri Hobli : Sankeshwar Village : Sankeshwar  
 3) Analysis Form : Normal  
 4) Name : Chandrashekar Mallappa Killedar  
 5) Address : Sankeshwar  
 6) Survey No : 324/B  
 7) Irrigation/Rainfaid : Canal / Well / River / other

Sl No	Water Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	7.2	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1 - 2>	0.091	Adequate/Danger/Harmful

Attested  


  
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## Govt of Karnataka


Dept of Agriculture

## Water Sample Report

- 1) Sample Drown Year : 2022-23
- 2) Taluk : Hukkeri Hobli : Sankeshwar Village : Sankeshwar
- 3) Analysis Form : Normal
- 4) Name : Iragouda Balagouda Patil
- 5) Address : Sankeshwar
- 6) Survey No : 411/\*
- 7) Irrigation/Rainfaid : Canal / Well / River / other

SI No	Water Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	7.3	Acidic/Normal/Alkaline ✓
2	Electric Conductivity (EC)	<1 - 2>	0.099	Adequate/Danger/Harmful ✓

Attested  


  
 ಕೃಷಿ ಅಧಿಕಾರಿಗಳು  
 ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಸಂಕೇಶ್ವರ

## Govt of Karnataka


Dept of Agriculture

## Water Sample Report

- 1) Sample Drown Year : 2022-23
- 2) Taluk : Hukkeri Hobli : Sankeshwar Village : Gotur
- 3) Analysis Form : Normal
- 4) Name : Yallappa Bhimappa Sanadi Uri Mannikeri
- 5) Address : Gotur
- 6) Survey No : 161/\*
- 7) Irrigation/Rainfaid : Canal / Well / River / other

Sl No	Water Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	7.1	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1 - 2>	0.112	Adequate/Danger/Harmful

Attested  


  
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## Govt of Karnataka

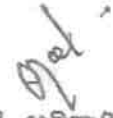
Dept of Agriculture

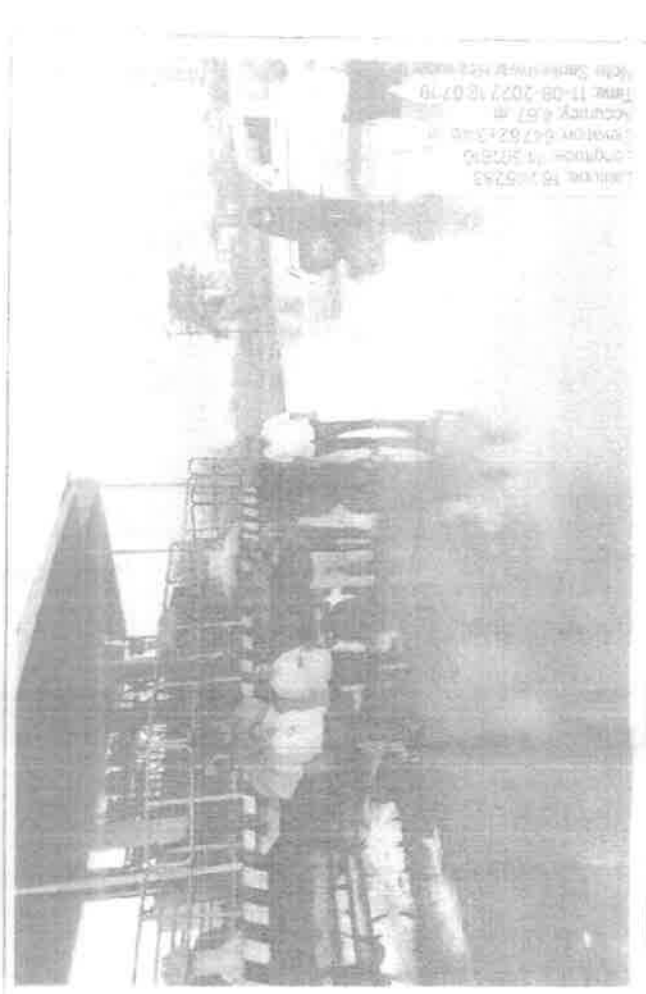
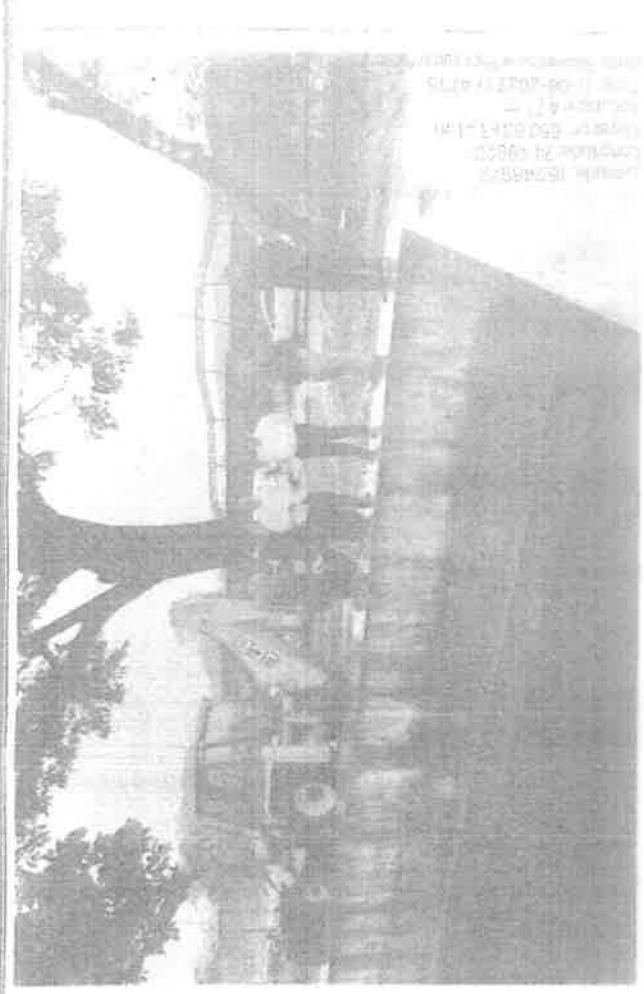
## Water Sample Report

- 1) Sample Drown Year : 2022-23
- 2) Taluk : Hukkeri Hobli : Sankeshwar Village : Gotur
- 3) Analysis Form : Normal
- 4) Name : Paragouda Bapugouda Patil
- 5) Address : Gotur
- 6) Survey No : 156/\*
- 7) Irrigation/Rainfaid : Canal / Well / River / other

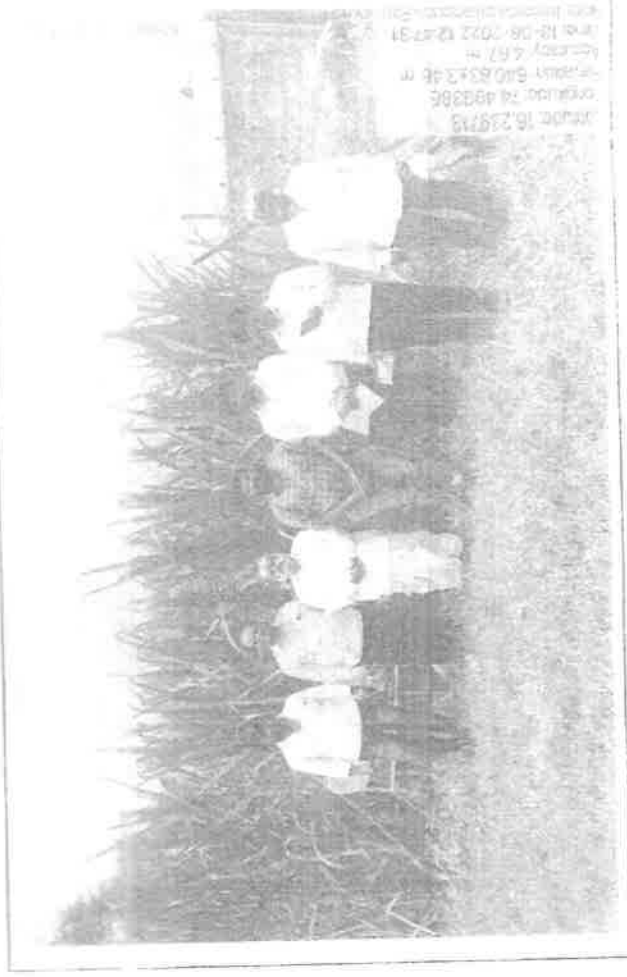
Sl No	Water Sample Nutrients	Standard	Result	Remarks
1	Potential of hydrogen (Ph)	<6 - 9>	7.0	Acidic/Normal/Alkaline
2	Electric Conductivity (EC)	<1 - 2>	0.099	Adequate/Danger/Harmful

Attested  


  
 ಕೃಷಿ ಅಧಿಕಾರಿಗಳು  
 ಮುಖ್ಯ ಆಯುಕ್ತ ಕಚೇರಿ, ಗುಂಡ್ಲುಪೇಟೆ



Inspection M/s Shri Hiranyakeshi Sahakari Sakkare Kharkhane (SSSK) Sugar factory and Distillery unit at Sankeshwar Tq. Hukkeri Dist. Bejjur



Inspection of crop fields and discussion with farmers in the vicinity of M/s Shri Hiranyakeshi Sahakari Sakkare Kharkhane (SSSK) Sugar factory at Sankeshwar Tq: Hukkeri Dist:Belagavi