

**GUJARAT POLLUTION CONTROL BOARD
REGIONAL OFFICE-PALANPUR, DIST-BANASKANTHA, GUJARAT**

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(Regional office-Palanpur)

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Action Taken Report

1. M/S Stagot Potatoes Products LLP, Survey No. 675/1, At – Sundha, Ta – Palanpur, Dist – Banaskantha was inspected with reference to Hon’ble National Green Tribunal, Principal Bench, New Delhi in O.A.No.108/2019(WZ) (I.A.No-162/2019) Gangarambhai Narsinhbhai Karnavat Vs. Stagot Potatoes Products LLP &Ors. order dated 26.06.2020 directed Regional Officer, State Pollution Control Board to visit the place and submit factual and action taken report to the Hon’ble court. The Regional Office, Gujarat Pollution Control Board, Palanpur has submitted Action Taken Report to the Hon’ble NGT, ngt-pune@gov.in, judicial-ngt@gov.in, ngt.filing@gmail.com along with the copies of a) Inspection reports (b) Directions issued to the industry (c) Bank guarantee forfeit letter (d) Consent to operate order of unit (e) Analysis report of Bore well samples through E-mail on dated 22.09.2020.
2. Again the Hon’ble courts order on dated 28.09.2020 the Regional Officer, State Pollution Control Board is directed to monitor further and submit action taken report to the Hon’ble NGT. The unit was visited on 08/10/2020, it was found totally closed. Copy of the visit/inspection report is Annexure-A. The person contacted informed that the production plant was totally closed due to nonavailability of raw materials. On dated 13/10/2020 the industry has submitted a letter stating that the last production was taken on 09.07.2020 for 22 Hrs in operation than after there was no production has been taken till date. The next expected production will be month of January-2021. Copy of the letter dated 13/10/2020 is Annexed-B.
3. Again the unit was visited on 07/11/2020 by the Regional Officer, Gujarat Pollution Control Board Shri.M.S.Dasari and Shri T.A.Trivedi, Scientific Officer, Gujarat Pollution Control Board, Palanpur. The industrial plant is found totally closed. No smell/odour was not felt in and around the industry. Copy of the inspection report is Annexure-C.
4. Again the unit was visited on 31/12/2020 by Regional Office, Gujarat Pollution Control Board, Palanpur. The contacted person informed that the plant is shutdown from July-2020 due to nonavailability of raw material (potatoes). No smell was found in and around factory premises. Instruction was given to the contacted person that whenever production plant start inform to the department. Copy of the inspection report is Annexure-D.
5. Permission given to M/S Stagot Potatoes ProductsLLP:
M/S Stagot Potatoes Products LLP, Survey No. 675/1, At – Sundha, Ta – Palanpur, Dist – Banaskantha, Gujarat has obtained Consent to Establish (CTE) from Gujarat Pollution Control Board for manufacturing of Starch from Potatoes @ 1080 MT/M vide CTE No – 77473, dated – 28/03/2016 (copy of the same is enclosed as Annexure-B). Further the unit was granted Consent to Operate vide letter dated 08/04/2019 up to 30/06/2022 to operate industrial plant for manufacturing of starch from potatoes.



(Regional office-Palanpur)

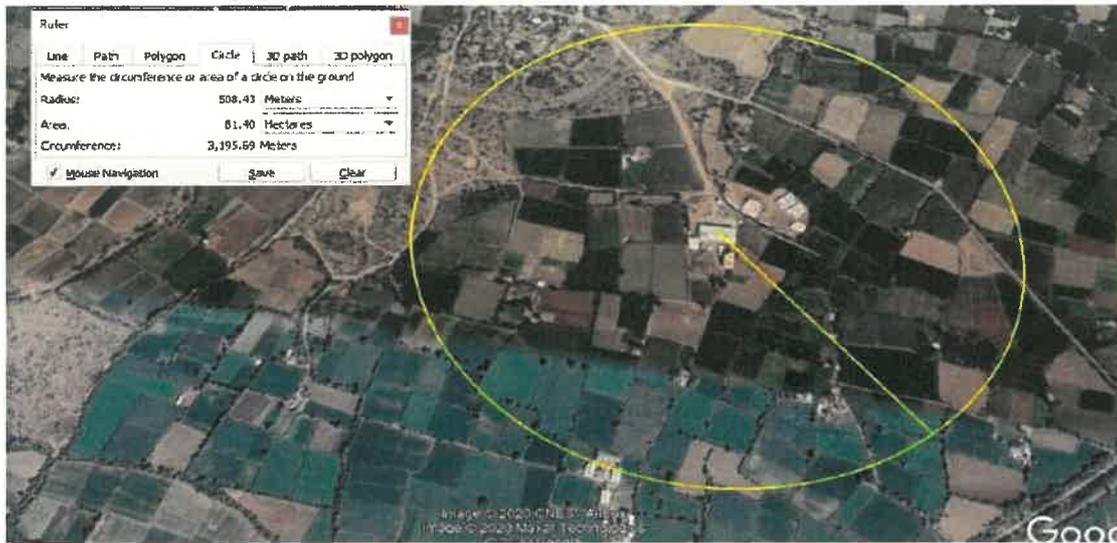
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3.1 Location of the industry showing on google map (500 meters radius)

The map shows the nearest village is Sundha @500meters away from unit and the other side of the unit/Plant area are agriculture land/fields. The village school is also beyond the 500 meter from the location of the unit/plant.

6. Manufacturing process

The raw material potatoes washing with water to remove coarse particles and sand, then after the potatoes are crushed in a Rasping machine till it becomes potato slurry is a mixture of starch granules, fiber and water. The potatoes slurry is then fed to hydro cyclone machine where the starch particles, fibers and water part (i.e. process effluent) are separated. Starch with moisture content is then fed to spin flash dryer to get final product, i.e. white starch powder. Entire process cycle time is about 22 hours.

7. Source of waste water/fibre waste generation: At full capacity of plant

- Washing of potatoes – 25 KL/D (Diluted stream)
- Process waste water (Concentrated effluent stream) –275KL/D(Waste water seprated from hydro cyclones). Total waste water generation- 300 KL/Day.
- Fibre waste – Approx. 7MT/Day (Fiber separated from hydro cyclones)

8. Treatment of Waste Water

The waste water generated from the washing section of the raw material is being directly collected in collection tank, another waste water stream generated from process after removal of the fibre content in the decanter is being sent to collection tank for further treatment. The industry has provided Effluent Treatment Plat consisting of following units.

- Collection tank
- Flash Mixer (Not in use)
- Flocculation Tank (Not in use)
- Primary Clarifier (Not in use)
- Conditioning Tank
- Anaerobic digester(CSTR- 2 nos)
- First stage Aeration tank
- First stage Secondary settling tank
- Second stage Aeration tank
- Second stage secondary settling tank
- Treated waste water holding tank
- Sand filter (Not in use)
- Carbon filter (Not in use)
- Decanter



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9. Disposal of Treated waste water:

Treated waste water from the ETP is discharged onto the agricultural farms of 42 Acres through underground pipeline surrounding the units. Unit has made MoU with Farmers.



Treated wastewater disposal agriculture land @ 1.2 Km away from factory/industry



Treated wastewater disposal agriculture land adjoining to the factory/industry

10. Management of Fiber Waste & ETP Sludge:

The fiber waste is generated from the manufacturing process, which is supplied through tankers to M/s Goverdhan nathji Energies LLP, Vill-Pij, Ta-Vaso, Dist-Nadiad, Gujarat which is Bio Gas generation plant. The sludge generated from the Effluent Treatment Plant is also being disposed along with fiber waste. At the time of visit, no stock of fiber waste and ETP sludge are observed stored in the unit. Month wise quantities of fiber waste send to M/s Goverdhan nathji Energies LLP are shown below.

| Month | Fiber Waste sent to M/s Goverdhannathji Energies LLP (Quantity in MT) |
|---------------|---|
| January-2020 | Nil |
| February-2020 | 50 |
| March-2020 | 130 |
| April-2020 | Nil |

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GUJARAT POLLUTION CONTROL BOARD

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| | |
|------------|-----|
| May -2020 | Nil |
| June -2020 | 300 |
| July-2020 | Nil |
| Aug-2020 | Nil |
| Sept-2020 | Nil |
| Oct-2020 | Nil |
| Nov-2020 | Nil |
| Dec-2020 | Nil |
| Jan-2021 | Nil |

11. Air Pollution:

Unit has one boiler having capacity of 2 TPH, using imported coal as a fuel. Unit has provided Dust collector (Multi Cyclone Separator) as Air Pollution Control Device. Unit has also provided stack monitoring facility. There is no process emission from the manufacturing process. As no activity other than unloading of potatoes is going on, noise level is the industry is found normal during the visit.

12. Odour control Management:

The industry has provided fogger system for control of odour. In fogger system the industry is using Rose Fragrance Liquid (1 Liter in 1000 Liter of Water) for continues spraying on the top of Anaerobic reactor/Digester.

13. Quality of Ground Water:

The industry has provided one number of bore well within the premises and entire fresh water requirement of industry is met by the bore well water. Bore wells are also there in the surrounding farms. Physical characteristics of the water abstracted from the said bore wells is apparently normal.

a) Four no of ground water sample are collected by the Regional office palanpur on dated 04/07/2020 from following points. The results are as under.

| Parameters | GPCB prescribed standards in consent order | Locations | | | |
|----------------------------------|--|---|--|--|---|
| | | Borewell located within M/S Stagot Potatoes Products LLP unit 1 | Borewell sample collected from nearby borewell toward south side of stagot potato unit 2 | Borewell sample collected from nearby borewell towards North side of stagot potato unit, which is about 200 m away from the unit 3 | Borewell sample collected from borewell located within agreement agricultural land, which is about 1.1 Km away from the unit. 4 |
| pH# | 6.5 to 8.5 | 7.44 | 7.79 | 7.20 | 8.34 |
| Total Dissolved solid (TDS) mg/l | 2100 | 758 | 1170 | 728 | 866 |
| Chloride mg/l | 600 | 90 | 300 | 110 | 140 |
| Sulphate mg/l | 1000 | 55 | 168 | 78 | 63 |
| COD mg/l | 100 | 7 | 11 | 14 | 6 |
| BOD (3 days at 27 C) mg/l | 30 | 0.75 | 0.72 | 1.42 | 0.89 |
| Sodium Absorption Ratio (SAR) | 26 | 7 | 12 | 7 | 12 |



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b) Two ground water samples are collected during the visit by the vigilance team, GPCB, Gandhinagar on dated 17/07/2020 from the following sources, The results are as under:

| Parameters | Locations | | |
|----------------------------------|--|--|--|
| | GPCB prescribed standards in consent order | Bore well located within premises of M/s Stagot Potatoes Products LLP (800 Ft) 1 | Bore well water sample located in the farm of Shri Ambarambhai P Gothi toward south side behind unit. (500 Ft) 2 |
| pH# | 6.5 to 8.5 | 7.37 | 7.52 |
| Total Dissolved solid (TDS) mg/l | 2100 | 674 | 1318 |
| Chloride mg/l | 600 | 120 | 460 |
| Sulphate mg/l | 1000 | 202 | 151 |
| COD mg/l | 100 | 6 | 9 |
| BOD (3 days at 27 C) mg/l | 30 | 0.68 | 0.8 |
| Sodium Absorption Ratio (SAR) | 26 | 8 | 18 |

Copies of the analysis reports are enclosed Annexure-E.

The analysis reports of water samples of bore wells, all parameters are within GPCB prescribed norms as mentioned in Consent order.

Latest Position of the plant

1. The unit was visited on 05.03.2021. Production plant was found in operation. The person contacted Shri Bharat Gothi (CEO) of the plant informed that the production plant was started from 19.02.2021 and given the following details like quantity of raw material used, quantity of final product manufactured, generation of fiber/disposed and waste water generation and discharge after treatment.

| Production Date | Production in (hrs) | Raw material used (ton) | Final Product (ton) | Fiber generate/disposed (Ton) | Treated Waste water discharge (KL) |
|-----------------|---------------------|-------------------------|---------------------|-------------------------------|------------------------------------|
| 19.02.2021 | 11 | 110 | 15.4 | 41 | 145 |
| 20.02.2021 | 13 | 113 | 18.2 | 45 | 185 |
| 22.02.2021 | 14 | 140 | 19.6 | 55 | 200 |
| 24.02.2021 | 12 | 120 | 18 | 42 | 170 |
| 25.02.2021 | 12 | 120 | 17.6 | 44 | 175 |
| 26.02.2021 | 11 | 110 | 15.2 | 41 | 145 |
| 28.02.2021 | 12.5 | 125 | 17.5 | 42 | 177 |
| 03.03.2021 | 13 | 130 | 18.2 | 46 | 180 |
| 02.03.2021 | 13.5 | 135 | 18.9 | 47 | 190 |
| 04.03.2021 | 14 | 140 | 19 | 52 | 200 |

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2. During visit all the ETP units are found in operation. The treated waste water is being discharged in to near by agriculture farms. **One sample is collected for further analysis to know the quality of treated waste water.** They have provided about 100 nos of fogger system around the ETP and periphery of the factory to control odour are found in operation. Some photographs are given below.



Photo showing spraying of fragrance



Photo showing spraying of fragrance



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3. The fiber waste generated from the manufacturing process which is being directly dumping in to truck to dispose at M/S Green Earth Biogas Pvt.Ltd, located at plot no-442, village-Kukda, Ta-Muli, Dist-Surendranagar. (which is Biogas generation plant) the photographs waste dumping in to truck.



Photographs showing fiber waste dumping in to truck

4. Industry has planted trees along with the periphery of the plant.
5. Industry has 1 boiler having capacity of 2 TPH, using imported coal as a fuel. Provided Multi cyclone separator as Air pollution control device. **One flue gas sample from stack/chimney was collected for analysis.**
6. No Air pollution generation source from manufacturing process.
7. Industry has provided flare stack for flaring of gases generated from the Anaerobic Digesters.



Photographs showing flare



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Observations:

- No smell/odour was felt outside the factory premises.
- Slight smell was felt near effluent treatment plant.
- Contacted few people in the nearest village Sundha regarding foul smell of the factory. The following contacted persons were informed that presently no smell was felt from the factory.
 - a. Shri Bhikhabhai Narsinhbhai Patel (Ex.Sarpanch)
 - b. Shri Babubhai Dosajibhai Prajapati
 - c. Shri Hiteshbhai Chamanbhai Panchal (Mahavir Welding Works)
 - d. Shri Manubhai devabhai Antiya
 - e. Shri Becharbhai Pasvabhai Patel
 - f. Shri Jayeshbhai Ishwarbhai sambad
 - g. Shri Shantibhai Shankarbhai Vora
 - h. Shri Sombhai Devabhai Patel
- Contacted few person at Primary Health Center (PHC) in village Sundha regarding foul smell of the factory. They informed that no foul smell was observed/felt. The PHC is located near to the factory.
- We also contacted applicant Shri Gangarambhai Narsinhbhai Karnavat (applicant) who has made application in the Hon'ble NGT . He has informed that foul smell was felt for the last 15 days.

Date:- 05/03/2021

Place:- village- Sundha, Palanpur

(T.A.Trivedi)
Scientific Officer

(M.S.Dasari)
Regional Officer

Annexure-A

Inspection Report

Name and Address of the unit:- M/S Stagot Potatoes Products LLP, Survey No. 675/1, At Sundha, Ta-Palanpur, Dist-Banaskantha.

Date of visit:- 08/10/2020

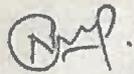
Person contacted:- Mr. Vipul Gothi (Manager)

Visited by:- 1. M.S.Dasari (Regional Officer) 2. N.P.Chaudhary (Sr. Scientific Assistant).

Observations:-

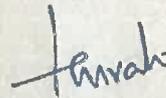
M/S Stagot Potatoes Products LLP (PCB ID: 49934) was visited on dated 08/10/2020 w r t Hon'ble National Green Tribunal, Principal Bench, New Delhi in O.A No. 108/2019 (WZ) – order dated on 28/09/2020 Gangarambhai Narsinhbhai Karnavat Vs. Stagot Potatoes Products LLP & Ors. During visit unit is found not in operation. Person contacted informed that the plant is totally shut down from July-2020 due to non-availability of raw materials. ETP was found idle condition. No smell was felt in and around the factory premises. The following instructions issued at the time of inspection.

1. At present your production plant not in operation. Whenever start the production inform to the Board.
2. Whenever start the production plant all deodorant system should be in operation efficiently to control odour/foul smell .



(N.P.Chaudhary)

Sr. Scientific Assistant).



(M.S.Dasari)

Regional Officer

Annexure-B



Stagot Potatoes Product LLP

DATE :- 13/10/2020

To,
Regional Officer
Gujarat Pollution Control Board,
Jilla Seva Sadan – 2, Third Floor,
Jorawar Palace,
Palanpur-385001.

Subject: - Production status

Respected sir,

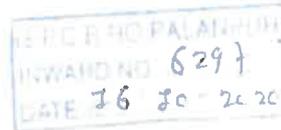
We are informing the production Status of STAGOT POTATOES PRODUCT LLP- SUNDHA, TA-PALANPUR, That the last production was taken on 9th of July-2020 For 22 hrs, After that no production has been taken place due to raw material short fall.

The next expected production will be in January ²⁰²¹ However in case we found raw material before that than we will inform to the board prior to production

This information has been given to the board of production status.

Regards

Thanking you



NGT- File
Jainel

For, Stagot Potatoes Product LLP

Partner
Partner

74, Shree Arcade, Abu Highway, Palanpur - 385001, Dist. B.K., Gujarat, India.

Annexure-C

GUJARAT POLLUTION CONTROL BOARD



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Action Taken Report

Subject:- Hon. NGT Matter No. OA 108/2019(WZ) (I.A. No-162/2020) in the Principal Bench, New Delhi– Gangarambhai Narsinhbhai Karnavat Vs. Stagot Potatoes Products LLP &Ors.

Reference:- 1. Hon'ble NGT order dated 26/06/2020

2. Hon'ble NGT order dated 28/09/2020

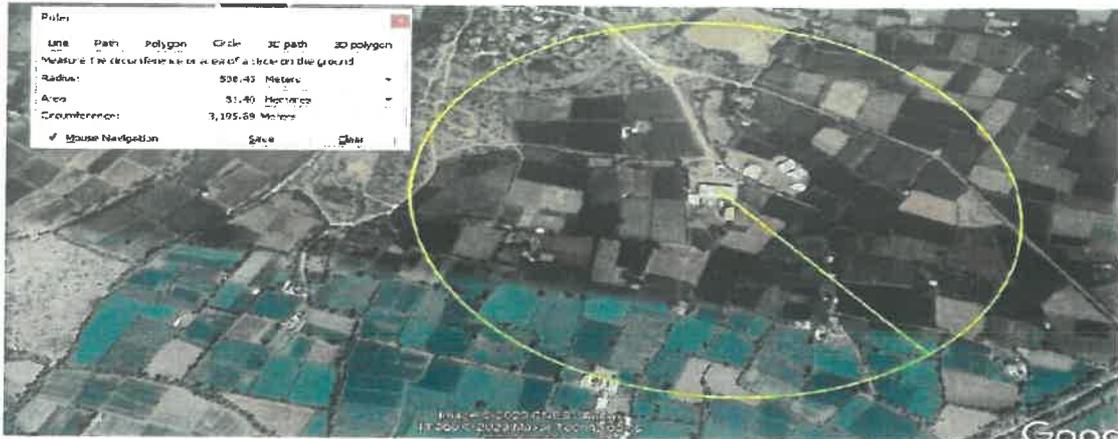
1. M/S Stagot Potatoes Products LLP, Survey No. 675/1, At – Sundha, Ta – Palanpur, Dist – Banaskantha was inspected on 04/07/2020 with reference to Hon'ble National Green Tribunal, Principal Bench, New Delhi in O.A.No.108/2019(WZ) (I.A.No-162/2019) Gangarambhai Narsinhbhai Karnavat Vs. Stagot Potatoes Products LLP &Ors. order dated 26.06.2020 directed Regional Officer, State Pollution Control Board to visit the place and submit factual and action taken report to the Hon'ble court. The Regional Office, Gujarat Pollution Control Board, Palanpur has submitted Action Taken Report to the Hon'ble NGT, ngt-pune@gov.in, judicial-ngt@gov.in, ngt.filing@gmail.com along with the copies of (a) Inspection reports (b) Directions issued to the industry (C) Bank guarantee forfeit letter (d) Consent to operate order of unit (e) Analysis report of Bore well samples through E-mail on dated 22.09.2020.

Again the Hon'ble courts order on dated 28.09.2020 the Regional Officer, State Pollution Control Board is directed to monitor further and submit action taken report to the Hon'ble NGT. Shri M.S.Dasari (Regional Officer), Shri N.P.Chaudhary (Sr. Scientific Assistant), Regional Office, Gujarat Pollution Control Board, Palanpur, Gujarat was visited the industry on 08/10/2020 and it was found totally closed and no smell/odour was felt in around the factory. Copy of the visit/inspection report is **Annexure-A** The person contacted informed that the production plant was totally closed due to nonavailability of raw materials. On dated 13/10/2020 the industry has submitted a letter stating that the last production was taken on 09.07.2020 for 22 Hrs in operation than after there was no production has been taken till date. The next expected production will be in the month of January-2021. Copy of the letter dated 13/10/2020 is **Annexed-B**.

2. Again the unit was visited on 07/11/2020 by the Regional Officer, Shri.M.S.Dasari and Shri T.A.Trivedi, Scientific Officer, Regional Office, Gujarat Pollution Control Board, Palanpur, Gujarat, the industrial plant is found totally closed due to nonavailability of raw materials (Potatoes). No smell/odour was felt in and around the industry.
3. Permissions given to M/S Stagot Potatoes Products LLP:

M/S Stagot Potatoes Products LLP, Survey No. 675/1, At – Sundha, Ta – Palanpur, Dist – Banaskantha, Gujarat has obtained Consent to Establish (CTE) from Gujarat Pollution Control Board for manufacturing of Starch from Potatoes @ 1080 MT/M vide CTE No – 77473, dated – 28/03/2016. Further the unit was granted Consent to Operate vide letter dated 08/04/2019 up to 30/06/2022 to operate industrial plant for manufacturing of starch from potatoes. Subjected to the conditions specified in the order.

Location of the industry showing on google map (500 meters radius)



The map shows the nearest village is Sundha @500meters away from unit and the other side of the unit/Plant area are agriculture land/fields. The village school is also beyond the 500 meter from the location of the unit/plant.

4. Manufacturing process

The raw material potatoes washing with water to remove coarse particles and sand, then after the potatoes are crushed in a Rasing machine till it becomes potato slurry is a mixture of starch granules, fiber and water. The potatoes slurry is then fed to hydro cyclone machine where the starch particles, fibers and water part (i.e. process effluent) are separated. Starch with moisture content is then fed to spin flash dryer to get final product, i.e. white starch powder. Entire process cycle time is about 22 hours.

5. Source of waste water/fibre waste generation: At full capacity of plant

- a) Washing of potatoes – 25 KL/D (Diluted stream)
- b) Process waste water (Concentrated effluent stream) –275KL/D(Waste water separated from hydro cyclones). Total waste water generation- 300 KL/Day.
- c) Fibre waste – Approx. 7MT/Day (Fiber separated from hydro cyclones)

6. Treatment of Waste Water

The waste water generated from the washing section of the raw material is being directly collected in collection tank, another waste water stream generated from process after removal of the fibre content in the decanter is being sent to collection tank for further treatment. The industry has provided Effluent Treatment Plat consisting of following units.

- Collection tank
- Flash Mixer (Not in use)
- Flocculation Tank (Not in use)
- Primary Clarifier (Not in use)
- Conditioning Tank
- Anaerobic digester(CSTR- 2 nos)
- First stage Aeration tank
- First stage Secondary settling tank
- Second stage Aeration tank
- Second stage secondary settling tank
- Treated waste water holding tank
- Sand filter (Not in use)
- Carbon filter (Not in use)
- Decanter

7. Disposal of Treated waste water Treated waste water from the ETP is discharged onto the agricultural farms of 42 Acres through underground pipeline surrounding the units. Unit has made MoU with Farmers.



Treated wastewater disposal agriculture land @ 1.2 Km away from factory/industry

Treated wastewater disposal agriculture land adjoining to the factory/industry

8. Management of Fiber Waste & ETP Sludge:

The fiber waste is generated from the manufacturing process, which is supplied through tankers to M/s Goverdhan nathji Energies LLP, Vill-Pij, Ta-Vaso, Dist-Nadiad, Gujarat which is Bio Gas generation plant. The sludge generated from the Effluent Treatment Plant is also being disposed along with fiber waste. At the time of visit, no stock of fiber waste and ETP sludge are observed stored in the unit. Month wise quantities of fiber waste send to M/s Goverdhan nathji Energies LLP are shown below.

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|---------------|---|
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| April-2020 | Nil |
| May -2020 | Nil |
| June -2020 | 300 |
| July-2020 | Nil |
| Aug-2020 | Nil |
| Sept-2020 | Nil |
| Oct-2020 | Nil |

9. Air Pollution:

Unit has one boiler having capacity of 2 TPH, using imported coal as a fuel. Unit has provided Dust collector (Multi Cyclone Separator) as Air Pollution Control Device. Unit has also provided stack monitoring facility. There is no process emission from the manufacturing process. As no activity other than unloading of potatoes is going on, noise level in the industry is found normal during the visit.

10. Odour control Management:

The industry has provided fogger system for control of odour. In fogger system the industry is using Rose Fragrance Liquid (1 Liter in 1000 Liter of Water) for continues spraying on the top of Anaerobic reactor/Digester. Industry has also provided Decanter to remove/ reduce/minimize fibre particles from process waste water before entering in to effluent treatment plant collection tank so that there should not be any septic condition in the collection tank.

11. Quality of Ground Water:

The industry has provided one number of bore well within the premises and entire fresh water requirement of industry is met by the bore well water. Bore wells are also there in the surrounding farms. Physical characteristics of the water abstracted from the said bore wells is apparently normal.

- a) Four no of ground water sample are collected by the Regional office palanpur on dated 04/07/2020 from following points. The results are as under.

| Parameters | GPCB prescribed standards in consent order | Locations | | | |
|----------------------------------|--|---|--|--|---|
| | | Borewell located within M/S Stagot Potatoes Products LLP unit 1 | Borewell sample collected from nearby borewell toward south side of stagot potato unit 2 | Borewell sample collected from nearby borewell towards North side of stagot potato unit, which is about 200 m away from the unit 3 | Borewell sample collected from borewell located within agreement agricultural land, which is about 1.1 Km away from the unit. 4 |
| pH# | 6.5 to 8.5 | 7.44 | 7.79 | 7.20 | 8.34 |
| Total Dissolved solid (TDS) mg/l | 2100 | 758 | 1170 | 728 | 866 |
| Chloride mg/l | 600 | 90 | 300 | 110 | 140 |
| Sulphate mg/l | 1000 | 55 | 168 | 78 | 63 |
| COD mg/l | 100 | 7 | 11 | 14 | 6 |
| BOD (3 days at 27 C) mg/l | 30 | 0.75 | 0.72 | 1.42 | 0.89 |
| Sodium Absorption Ratio (SAR) | 26 | 7 | 12 | 7 | 12 |

- b) Two ground water samples are collected during the visit by the vigilance team, GPCB, Gandhinagar on dated 17/07/2020 from the following sources, The results are as under.

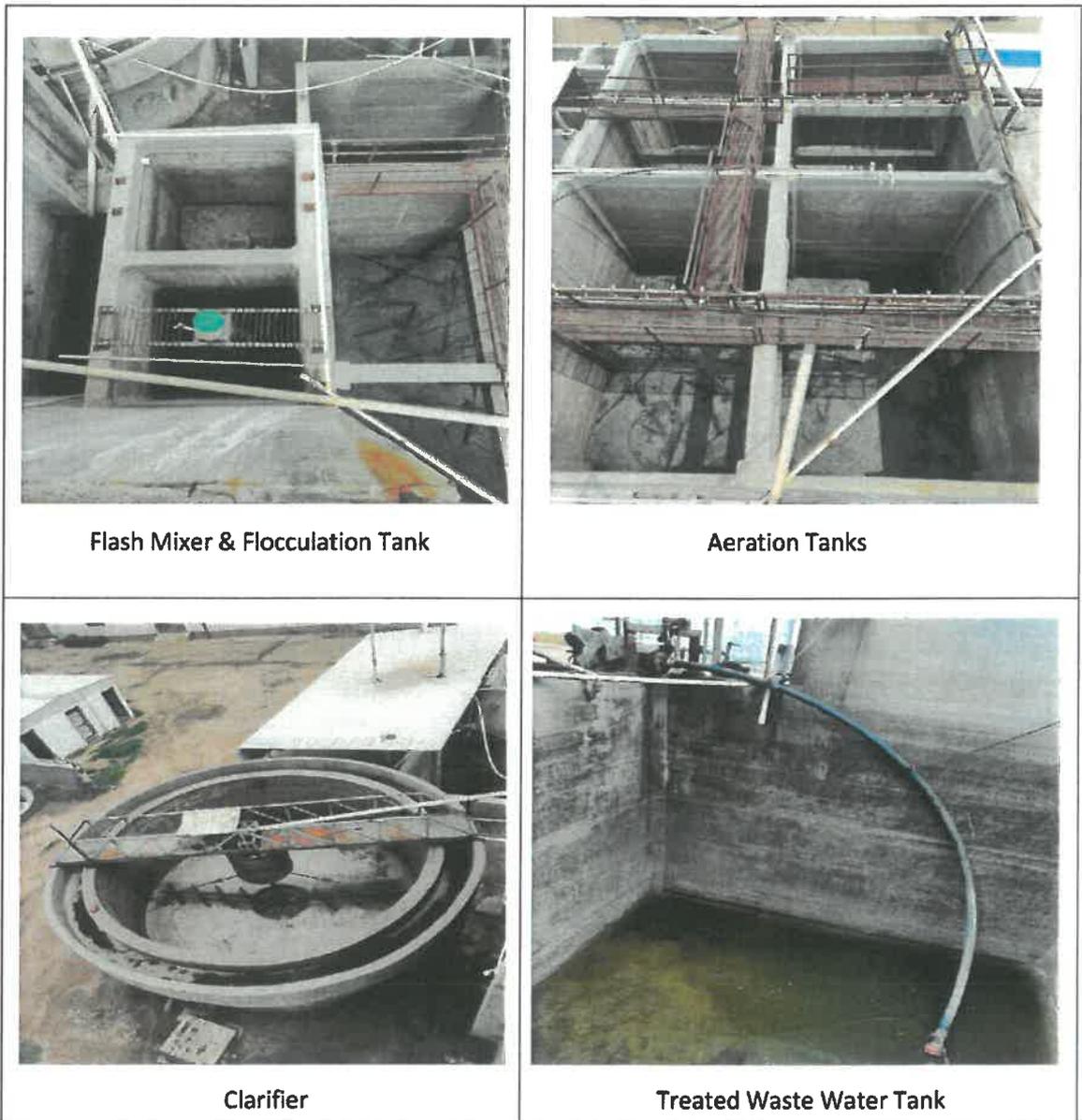
| Parameters | Locations | | |
|----------------------------------|--|--|--|
| | GPCB prescribed standards in consent order | Bore well located within premises of M/s Stagot Potatoes Products LLP (800 Ft) 1 | Bore well water sample located in the farm of Shri Ambarambhai P Gothi toward south side behind unit. (500 Ft) 2 |
| pH# | 6.5 to 8.5 | 7.37 | 7.52 |
| Total Dissolved solid (TDS) mg/l | 2100 | 674 | 1318 |
| Chloride mg/l | 600 | 120 | 460 |
| Sulphate mg/l | 1000 | 202 | 151 |
| COD mg/l | 100 | 6 | 9 |
| BOD (3 days at 27 C) mg/l | 30 | 0.68 | 0.8 |
| Sodium Absorption Ratio (SAR) | 26 | 8 | 18 |

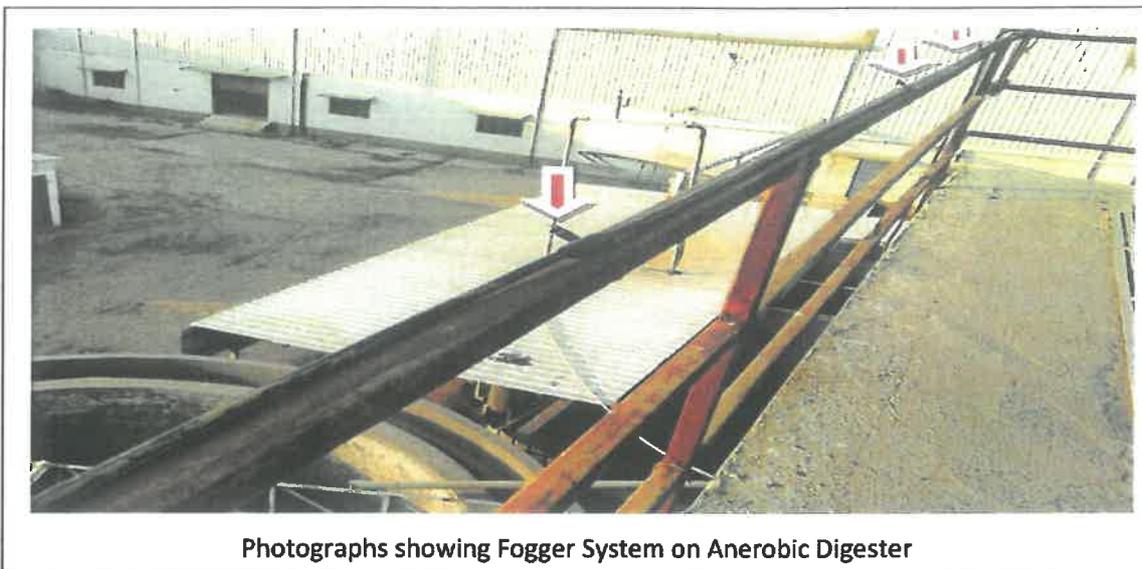
The analysis reports of water samples of bore wells, all parameters are within GPCB prescribed norms as mentioned in Consent order.

12. Action taken by Gujarat Pollution Control Board sofar for non compliance of the conditions specified in the consent order are as under:

| Sr.No | Date of Inspection | Action taken |
|-------|--------------------|---|
| 1 | 21-22/08/2017 | Directions under section 33 A of the water act – 1974 for disconnection of power supply |
| 2 | 26/12/2017 | Directions under section 33 A of the water act – 1974 for disconnection of power supply |
| 3 | 28/03/2019 | Directions under section 33 A of the water act – 1974 for disconnection of power supply |
| 4 | 28/03/2019 | Forfeit of Bank Guarantee of amount Rs 250000/- |

13. Photographs showing effluent treatment plant units found empty at the time of visit on 07/11/2020





Photographs showing Fogger System on Anerobic Digester

14. The following suggestions/written remarks given to the industry on 07/11/2020 to control odour/smell.
- Potatoes fiber should be disposed off within 24 Hrs from the factory to Bio Gas Plant.
 - Effluent primary collection should be empty after the production batch is completed by transfer the effluent in to Anaerobic Digester/Reactor so that the to avoid septic condition of effluent in the collection tank.
 - The effluent collection tank should be covered completely to control odour/smell before starting the production.
 - Increase fogger system in ETP area and operate efficiently and also provide fogger system along the periphery of the factory before starting the production.
 - Operate effluent treatment plant efficiently and improve effluent handling system to minimize leakages.
 - Monitor VOC's in the factory premises and submit report to the board after starting the production.
 - Plant more trees along the periphery of the factory.

Date:- 07/11/2020
Place:- Sundha, Palanpur

T.A.Trivedi
Scientific Officer

M.S.Dasari
Regional Officer

Annexure-D

Inspection Report

Name and Address of the unit:- M/s. Stagot Potatoes Products LLP, Survey No. 675/1, At: Sundha, Ta: Palanpur, Dist: Banaskantha.

Date of Visit: 31/12/2020

Person Contacted: Mr. Bharatbhai Gothi (Partner)

Visited by: 1. T. A. Trivedi (Scientific Officer) 2. N. P. Chaudhary (Sr. Scientific Assistant)

Observations:

M/S Stagot Potatoes Products LLP (PCB ID: 49934) was visited on dated 31/12/2020 w r t Hon'ble National Green Tribunal, Principal Bench, New Delhi in O.A No. 108/2019 (WZ)- Gangarambhai Narsinhbhai Karnavat Vs. Stagot Potatoes Products LLP & Ors. During visit unit is found not in operation. Person contacted informed that plant is totally shut down from July-2020 due to non-availability of raw materials. No smell was felt in and around the factory premises. The following instructions issued at the time of inspection.

- At Present your production plant not in operation. Whenever start the production inform to the board.



N. P. Chaudhary
(Sr. Scientific Assistant)



T. A. Trivedi
(Scientific Officer)

Annexure-E

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ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:284704 - Analysis Completion:04/08/2020

Manufacturing of Starch/Sago / LAB Inward : 73306

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73306

Date: 04/08/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gide
3. Nature of Sample : REP-Representative/Grab, (Insp Type : VIG-By Vigilance Team)
4. Sample Collected By : J.M. Mahida, D.E.E
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 284704
7. Date & Time of Collection & Inwarding : 17/07/2020 , (1230 to 1230) & 18/07/2020
8. Date of Start & Completion of Analysis : 18/07/2020 & 04/08/2020
9. Sampling Point : From Borewell water Sample located in the farm of Shri Ambarambhai P.Gothi toward
10. Flow Details (Remarks) : -
11. Mode of Disposal : used for irrigation purpose
12. Ultimate Receiving Body : Ground Discharge
13. Temperature on Collection : 30 & pH Range on pH Strip : 7 to 8
14. Carboys Nos for : & Color & Appearance : Colourless
15. Water Consumption & W.W.G (KLPD) : Ind : 325.000 , Dom : 10.000 & Ind : 300.000 , Dom : 8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 30 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd edi.2012 | 1 - 14 pH value As or | 7.52 |
| 3 | Colour | Pt.Co.Sc. | 2120 B APHA Standard Methods 22nd edi. 2012 | 2 - to 99 Hazen & 1-50 | 5 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 1318 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 04 |
| 6 | Ammonical Nitrogen | mg/l | 1). Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.25 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl ⁻ B APHA Standard M | 1 - 50000 mg/l | 460 |
| 8 | Sulphate | mg/l | APHA(22nd edi)4500 SO ₄ E | 2-40mg/l | 151 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 9.0 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Ed.)4500-s2-F -Iodometric Method | 1-500.0 mg/l | 0.05 |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme | 05-50000 mg/l | 0.80 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11624-1986(Reaffirmed 2009) | 1 - 50 v Meq/L | 18 |

Laboratory Remarks : Approved By:682-ae_682 Dt.: 04/08/2020

Agravats
Dr. S. N. Agravat

Field Observation :

Note :

- * - These parameters are NOT covered under the scope of NABL.
- The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
- Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
- Permissible Limits: as per Schedule VI of EPA Rules, 1986 as amended by Second and Third amendment 1993 for Effluents



ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:284703 - Analysis Completion:04/08/2020

Manufacturing of Starch/Sago / LAB Inward : 73307

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73307

Date: 04/08/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gide
3. Nature of Sample : REP-Representative/Grab, (Insp Type : VIG-By Vigilance Team)
4. Sample Collected By : J.M. Mahida, D.E.E
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 284703
7. Date & Time of Collection & Inwarding : 17/07/2020 , (1130 to 1130) & 18/07/2020
8. Date of Start & Completion of Analysis : 18/07/2020 & 04/08/2020
9. Sampling Point : From Borewell located within premises of M/s Stagott Potatoes Products LLP Unit. ~
10. Flow Details (Remarks) : -
11. Mode of Disposal : Used for industrial and domestic purposes within plant
12. Ultimate Receiving Body : Ground Discharge
13. Temperature on Collection : 30 & pH Range on pH Strip : 7 to 8
14. Carboys Nos for : & Color & Appearance : Colourless
15. Water Consumption & W.W.G (KLPD) : Ind :325.000 , Dom :10.000 & Ind :300.000 , Dom :8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 30 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd edi.2012 | 1 - 14 pH value As or | 7.37 |
| 3 | Colour | PL.Co.Sc. | 2120 B APHA Standard Methods 22nd edi. 2012 | 2 - to 99 Hazen & 1-50 | 5 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 674 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 04 |
| 6 | Ammonical Nitrogen | mg/l | 1). Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.22 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl? B APHA Standard M | 1 - 50000 mg/l | 120 |
| 8 | Sulphate | mg/l | APHA(22nd edi)4500 SO4 E | 2-40mg/l | 202 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 6.0 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Edi.)4500-s2-F -iodometric Method | 1-500.0 mg/l | 0.07 |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirmex | 05-50000 mg/l | 0.68 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11624-1986(Reaffirmed 2009) | 1 - 50 v Meq/L | 08 |

Laboratory Remarks : Approved By:682-ae_882 Dt: 04/08/2020

Agravats. no
Dr. S. N. Agravat

Field Observation :

Note :

1. * - These parameters are NOT covered under the scope of NABL.
2. The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
3. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
4. This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
5. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
6. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as amended by Second and Third amendment 1993 for Effluents



ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:283658 - Analysis Completion:20/07/2020

Manufacturing of Starch/Sago / LAB Inward : 73008

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73008

Date: 21/07/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gide
3. Nature of Sample : REP-Representative/Grab, (Insp Type : OTH-Others/Higher Authority)
4. Sample Collected By : Muralikrishna.Dasari, R.O Head
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 283658
7. Date & Time of Collection & Inwarding : 04/07/2020 , (1015 to 1020) & 07/07/2020
8. Date of Start & Completion of Analysis : 07/07/2020 & 20/07/2020
9. Sampling Point : Borewell sample collected from nearby borewell toward North side of stagot potato uni
10. Flow Details (Remarks) : -
11. Mode of Disposal : -
12. Ultimate Receiving Body : Ground Discharge
13. Temperature on Collection : 34 & pH Range on pH Strip : @ 7 - 8 on pH strip
14. Carboys Nos for : 3 & Color & Appearance : Colorless
15. Water Consumption & W.W.G (KLPD) : Ind :325.000 , Dom :10.000 & Ind :300.000 , Dom :8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 34 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd edi.2012 | 1 - 14 pH value As or | 7.20 |
| 3 | Colour | Pl.Co.Sc. | 2120 B APHA Standard Methods 22nd edi. 2012 | 2 - to 99 Hazen & 1-50 | 05 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 728 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 02 |
| 6 | Ammonical Nitrogen | mg/l | 1). Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.20 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl? B APHA Standard h | 1 - 50000 mg/l | 110 |
| 8 | Sulphate | mg/l | APHA(22nd edi)4500 SO4 E | 2-40mg/l | 78 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 14 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Ed.)4500-s2-F -Iodometric Method | 1-500.0 mg/l | BDL |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme | 05-50000 mg/l | 1.42 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11624-1986(Reaffirmed 2009) | 1 - 50 v Meq/L | 7 |

Laboratory Remarks : Approved. By:682-ae_682 DL: 21/07/2020

Agravats. no.
Dr. S. N. Agravat

Field Observation : borewell sample collected from nearby borewell toward north side of stagot potato unit (holding tank)

Note :

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ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:283656 - Analysis Completion:20/07/2020

Manufacturing of Starch/Sago / LAB Inward : 73012

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73012

Date: 21/07/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gide
3. Nature of Sample : REP-Representative/Grab, (Insp Type : OTH-Others/Higher Authority)
4. Sample Collected By : Muralikrishna.Dasari, R.O Head
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 283656
7. Date & Time of Collection & Inwarding : 04/07/2020 , (0930 to 0935) & 07/07/2020
8. Date of Start & Completion of Analysis : 07/07/2020 & 20/07/2020
9. Sampling Point : Borewell Sample collected from Borewell of Stagot unit (Within premises) ~
10. Flow Details (Remarks) : —
11. Mode of Disposal : —
12. Ultimate Receiving Body : Ground Discharge
13. Temperature on Collection : 34 & pH Range on pH Strip : @ 7 - 8 on strip
14. Carboys Nos for : 1 & Color & Appearance : Colorless
15. Water Consumption & W.W.G (KLPD) : Ind :325.000 , Dom :10.000 & Ind :300.000 , Dom :8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 34 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd ed. 2012 | 1 - 14 pH value As or | 7.44 |
| 3 | Colour | Pl.Co.Sc. | 2120 B APHA Standard Methods 22nd ed. 2012 | 2 - to 99 Hazen & 1-50 | 05 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 758 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 02 |
| 6 | Ammonical Nitrogen | mg/l | 1). Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.17 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl? B APHA Standard M | 1 - 50000 mg/l | 90 |
| 8 | Sulphate | mg/l | APHA(22nd ed.)4500 SO4 E | 2-40mg/l | 55 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 7 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Ed.)4500-s2-F -iodometric Method | 1-500.0 mg/l | BDL |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirme | 05-50000 mg/l | 0.75 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11824-1986(Reaffirmed 2009) | 1 - 60 v Meq/L | 7 |

Laboratory Remarks : Approved. By:682-ees_682 DL: 21/07/2020

Agravats. no

Dr. S. N. Agravat

Field Observation : borewell sample collected from borewell of stagot unit (within premises)

Note :

- * - These parameters are NOT covered under the scope of NABL
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ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:283657 - Analysis Completion:20/07/2020

Manufacturing of Starch/Sago / LAB Inward : 73007

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73007

Date: 21/07/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gide
3. Nature of Sample : REP-Representative/Grab, (Insp Type : OTH-Others/Higher Authority)
4. Sample Collected By : Muralikrishna.Dasari, R.O Head
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 283657
7. Date & Time of Collection & Inwarding : 04/07/2020 , (0950 to 0955) & 07/07/2020
8. Date of Start & Completion of Analysis : 07/07/2020 & 20/07/2020
9. Sampling Point : Borewell sample collected from nearby borewell toward south side of stagot potato unit
10. Flow Details (Remarks) : -
11. Mode of Disposal : -
12. Ultimate Receiving Body : Ground Discharge
13. Temperature on Collection : 34 & pH Range on pH Strip : @ 7 - 8 on pH strip
14. Carboys Nos for : 2 & Color & Appearance : Colorless
15. Water Consumption & W.W.G (KLPD) : Ind :325.000 , Dom :10.000 & Ind :300.000 , Dom :8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 34 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd ed. 2012 | 1 - 14 pH value As or | 7.79 |
| 3 | Colour | Pt.Co.Sc. | 2120 B APHA Standard Methods 22nd ed. 2012 | 2 - to 99 Hazen & 1-50 | 05 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 1170 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 02 |
| 6 | Ammonical Nitrogen | mg/l | 1). Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.17 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl? B APHA Standard M | 1 - 50000 mg/l | 300 |
| 8 | Sulphate | mg/l | APHA(22nd ed.)4500 SO4 E | 2-40mg/l | 168 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 11 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Ed.)4500-s2-F -Iodometric Method | 1-500.0 mg/l | BDL |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirm | 05-50000 mg/l | 0.72 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11624-1986(Reaffirmed 2009) | 1 - 50 v Meq/L | 12 |

Laboratory Remarks : Approved. By:682-see_682 Dt: 21/07/2020

Agravats. no
Dr. S. N. Agravat

Field Observation : borewell sample collected from nearby borewell toward south side of stagot potato unit (holding tank)

Note :

- * - These parameters are NOT covered under the scope of NABL.
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ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Sample ID:283659 - Analysis Completion:20/07/2020

Manufacturing of Starch/Sago / LAB Inward : 73011

Gujarat Pollution Control Board,
Central Laboratory
Paryavaran Bhavan
Sector-10A
Gandhinagar-382010



Accreditation Standards & NABL Certificate Details : T-2105 / ISO/IEC 17025:2005 / 21/12/2011 / 20/12/2013

TEST REPORT

Test Report No. : 73011

Date: 21/07/2020

1. Name of the Customer : Stagot Potatoes Product - 49934
2. Address : Survey No. 675/1, At Sundha,-
Palanpur-385518, Taluka : Palanpur, District : Banaskantha, GIDC : Not In Gidc
3. Nature of Sample : REP-Representative/Grab, (Insp Type : OTH-Others/Higher Authority)
4. Sample Collected By : Muralikrishna.Dasari, R.O Head
5. Quantity of Sample Received : 5 lit.
6. Code No. of the Sample : 283659
7. Date & Time of Collection & Inwarding : 04/07/2020 , (1050 to 1055) & 07/07/2020
8. Date of Start & Completion of Analysis : 07/07/2020 & 20/07/2020
9. Sampling Point : Borewell sample collected from borewell located within agreedement land (Holding tan
10. Flow Details (Remarks) : -
11. Mode of Disposal : -
12. Ultimate Receiving Body : Ground Dischsrge
13. Temperature on Collection : 34 & pH Range on pH Strip :@ 7 - 8 on pH strip
14. Carboys Nos for : 4 & Color & Appearance :Slightly greenish
15. Water Consumption & W.W.G (KLPD) : Ind :325.000 , Dom :10.000 & Ind :300.000 , Dom :8.000

| Sr | Parameter | Unit | Test Method | Range of Testing | Result |
|----|------------------------------|------------|---|------------------------|--------|
| 1 | Temperature | Centigrade | IS: 3025 (Part - 9) - 1984(Reaffirmed 2006) | Ambient oC - 60 oC | 34 |
| 2 | pH | pH Units | 4500 H+ B APHA Standard Methods 22nd edi.2012 | 1 - 14 pH value As or | 8.34 |
| 3 | Colour | Pt.Co.Sc. | 2120 B APHA Standard Methods 22nd edi. 2012 | 2 - to 99 Hazen & 1-50 | 05 |
| 4 | Total Dissolved Solids | mg/l | Gravimetric method. (2540 C APHA Standard Method | 10 - 200000 mg/L | 888 |
| 5 | Suspended Solids | mg/l | Gravimetric method. (2540 D APHA Standard Method | 2 - 10000 mg/L | 08 |
| 6 | Ammonical Nitrogen | mg/l | 1).Titrimetric method (4500 NH3 B & C APHA Standar | 1 - 2000 mg/l. | 0.20 |
| 7 | Chloride | mg/l | Argentometric method. (4500 Cl? B APHA Standard M | 1 - 50000 mg/l | 140 |
| 8 | Sulphate | mg/l | APHA(22nd edi)4500 SO4 E | 2-40mg/l | 63 |
| 9 | Chemical Oxygen Demand | mg/l | APHA (22nd Edition)- 5220 B Open Reflux Method-2 | 5.0- 50000 mg/l | 6 |
| 10 | Oil & Grease | mg/l | Liquid - Liquid Partition Gravimetric method. (5520 B | 01 - 1000 mg/l | BDL |
| 11 | Sulphide | mg/l | APHA (22nd Edi.)4500-s2-F -iodometric Method | 1-500.0 mg/l | BDL |
| 12 | B.O.D (3 Days 27oC) | mg/l | 3 - Day BOD test. (IS 3025 (Part 44) 1993 Reaffirmec | 05-50000 mg/l | 0.89 |
| 13 | Sodium Absorption Ratio(SAR) | SAR | IS11624-1986(Reaffirmed 2009) | 1 - 60 v Meq/L. | 12 |

Laboratory Remarks : Approved. By:682-ae_682 Dt: 21/07/2020

Approved. no

Dr. S. N. Agravat

Field Observation : borewell sample collected from borewell located within agreedement land use for disposal of treated wastewater (holding tank)

Note :

- * - These parameters are NOT covered under the scope of NABL.
- The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
- Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
- The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
- Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Gujarat Jurisdiction only.
- Permissible Limits: as per Schedule VI of EPA Rules, 1986 as amended by Second and Third ammendment 1993 for Effluents