

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL, NEW DELHI

Original Application No. 632 of 2023

In the matter of Suo Moto Cognizance

In Re: News Item published in The Hindu dated 06.10.2023 titled "Pollution takes a front seat as Stubble Fires Spike in Punjab"

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Submitted by

Date: 09-07-2024

Place: PATIALA


(Gurindar Singh Majithia)
Member Secretary,
Punjab Pollution Control Board,
Patiala
Member Secretary
Punjab Pollution Control Board
PATIALA
On behalf of the State of Punjab

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Status / Action taken report on behalf of the State of Punjab and the Punjab Pollution Control Board in compliance to order dated 03.04.2024.

RESPECTFULLY SHOWETH

1. That briefly stated, the Hon'ble National Green Tribunal was pleased to take Suo Motto Cognizance of a News Item published in The Hindu dated 06.10.2023 titled **"Pollution takes a front seat as Stubble Fires Spike in Punjab"** and issued notice to the State of Punjab through its Chief Secretary, Ministry of Environment, Forest and Climate Change, Government of India through its Secretary and the Commission for Air Quality Management in NCR and Adjoining Areas. The Hon'ble Tribunal has passed series of orders in the case and in compliance the status reports had been filed on behalf of the State of Punjab by the Member Secretary, Punjab Pollution Control Board from time to time.
2. That in terms of the directions issued by the Hon'ble Tribunal vide order dated 29.11.2023, the State of Punjab had filed an Action Plan disclosing phase wise proposed action including various preventive steps for the year 2024 also indicating the authorities accountable for the implementation of the same.



After considering the Action Plan filed by the State of Punjab, the Hon'ble Tribunal vide order dated 19.01.2024 observed that the component of definitive time schedule is lacking, there are no proper linkages/ manifest system between ex-situ and in-situ management. The Hon'ble Tribunal vide order dated 19.01.2024 has suggested certain components namely Assessment, Mechanical removal of stubble, Processing of stubble, Monitoring and surveillance, Hotspot, Analysis and Remedial action for incorporation in the action plan.

3. That meanwhile, the Commission of Air Quality Management in NCR and Adjoining Areas has also directed the State of Punjab to submit the Action Plan incorporating the observations made by Hon'ble Supreme Court in Writ Petition (Civil) No. 13029 of 1985 M.C. Mehta V/s Union of India and others, the points deliberated in the meetings taken by the Cabinet Sub-committee as well as the observations made by Hon'ble National Green Tribunal.
4. That the State of Punjab had accordingly submitted the revised Action Plan for Control of Crop Residue Burning in State of Punjab dated 21.02.2024 (2024-2025) after incorporating the inputs received from various stake holder departments in consideration of the orders passed by the Hon'ble Supreme Court of India in Writ Petition (Civil) No. 13029 of 1985 M.C. Mehta V/s Union of India and others, directions issued by the Hon'ble National Green Tribunal vide order dated 19.01.2024 passed in OA no. 632 of 2023, the directions issued by the Commission of Air Quality Management in NCR and Adjoining Areas including the issues raised by the Cabinet Sub-committee to the Hon'ble Tribunal.
5. That after consideration of the matter and the revised action plan filed by the State of Punjab, the Hon'ble Tribunal was pleased to pass an order dated 03.04.2024 thereby directing the State of Punjab to submit a comprehensive report relating to the utilization of straw in-situ as well as ex-situ management, mode and manner of removal of straw from the field, its transportation to different units for ex-situ management, capacity of such units etc. justifying



the figures of utilization disclosed for the year 2023 as well as the projected figures of 2024. The relevant extract of the order dated 03.04.2024 is reproduced herein below for kind perusal and reference:

When Tribunal had put questions in respect of the details of process, know-how for in-situ management as to the extent of availability and number of the mulching machines used for in-situ management and other full particulars relating to utilization of straw in-situ management and complete particulars of different heads of ex-situ management of the straw, Counsel for the State of Punjab has sought adjournment submitting that a detailed comprehensive report will be filed before the Tribunal including therein, the details on each item relating to utilization of the straw in in-situ as well as ex-situ management. The said report will also include the details relating to the mode and manner of removal of straw from the field, its transportation to different units for ex-situ management, the capacity of such units i.e. industrial boilers, biogas power plant, compressed biogas plant etc. utilizing the paddy straw and the details of such utilization supporting/justifying the figures of utilization disclosed for 2023.

For the projected figures of 2024 also, such full particulars relating to in-situ and ex-situ management will be disclosed. The report will also disclose as to how the projected figures for 2024 will be achieved, the preparation for the same till now and the preparation in the coming months to achieve the target. Let the report in terms of the above observations be filed at least one week before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of



searchable PDF/ OCR Support PDF and not in the form of Image PDF.

6. That in compliance to the orders dated 03.04.2024 passed by the Hon'ble Tribunal it is submitted that upon implementation of the Action Plan for Control of Crop Residue Burning in the State of Punjab (2024-25), the targets mentioned herein below are expected to be achieved in year 2024.

Sr. No.	Strategy	Paddy Straw Utilization (million tonne)	
		2023 (Actual)	2024 (Est.)
1	In-Situ Management	11.50	12.70
2	Ex-Situ management	3.66	5.96
	Industrial Boilers	2.10	3.1*
	Biomass Power Plant	0.96	1.17
	Compressed Bio-gas Plant	0.30	0.54
	Bio-Ethanol Plant	0.10	0.20
	Thermal Power Plant	0.20	0.77**
	Brick Kilns	0.00	0.18**
3	Fodder	0.70	0.86
	Total	15.86	19.52

7. That the order dated 03.04.2024 passed by the Hon'ble Tribunal has been divided into parts to file appropriate response. The Government has called reports from all the stake holder departments namely the Department of Agriculture and Farmer Welfare, Punjab Energy Development Agency, the Department of Power, the Deputy Commissioners of 23 districts of the State of Punjab and the Punjab Pollution Control Board for compliance and implementation of the directions of the Hon'ble Tribunal as contained in order dated 03.04.2024. The reports have been compiled and the status and response to the directives of the Hon'ble Tribunal is given herein below by reproducing the directions and the compliance status of the Departments.

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A. Department of Agriculture and Farmers Welfare

- a. **Details of process, know how for In-situ Management, as to the extent of availability and number of mulching machines used for in-situ management and other full particulars relating to utilization of straw in-situ and complete particulars of different heads of ex-situ management**

In-situ Management

- i. In-situ management of paddy straw refers to practices that handle crop residues directly in the field where they are produced, as opposed to removing or burning them. This approach aims to minimize environmental pollution, improve soil health, and promote sustainable agricultural practices.
- ii. The agriculture equipments/ implements in the State of Punjab for in-situ management as per the recommendation of Punjab Agriculture University are:
- iii. Super SMS (attachment with combine), Happy Seeder, Super Seeder, Surface Seeder, Smart Seeder and Zero Till Drill. Apart from these machines the Mulcher, paddy straw chopper shredders are also being promoted.
- iv. Presently, the Department of Agriculture is making available various machines for management of crop residue to the farmers under the Crop Residue Management Scheme.
- v. The individual farmers/ Primary Agricultural Cooperative Societies/ Registered Farmers Groups/ Farmer Producer Organizations/ Panchayats can apply for purchasing various CRM machines and also for establishing Custom Hiring Centre.
- vi. Under the scheme the equipment such as Super SMS, Super Seeder, Smart Seeder, Happy Seeder, Zero Till Drill, Paddy Straw Chopper/ Shredder/ Mulcher, Hydraulic Reversible Mould Board Plough, Shrub Master/ Rotary Slasher, Crop Reaper, Baler and Rake are available on



subsidy @ 50% of the cost of the equipment/machine or a maximum amount approved by GoI in the guidelines to the individual farmers.

- vii. As per the revised guidelines for the year 2024-25, the CHC can be established with an investment up to Rs.30 lakhs and any of the above machines can be purchased by the CHCs. Subsidy @ 80% i.e.limited to a maximum of Rs. 24 lakh would be provided under this component. For the current year, to provide power source for operating the machines, tractor can also be purchased.
- viii. The applications are invited from those farmers/ PACS/ Panchayats/ FPOs interested in purchasing the CRM machines on subsidy, through a online portal and draws are conducted by the districts to select the beneficiaries,
- ix. The Hot spots districts (districts where fire incidences are higher) are prioritized while distributing the targets.
- x. From 2018-19 till date, approx. 1,30,000 various Crop Residue Management Machinery have been made available to the farmers in the State. Of these machines, around 2500 machines are available with panchayats and more than 12745 machines are available in Primary Agriculture Cooperative societies in the State.
- xi. Of the total number of machines provided on subsidy, 13000 no's of machines have been provided on subsidy during last year 2023-24.
- xii. The detailed list of available CRM machines is as follows:

Name of Machine	Total Number of CRM machines provided on subsidy
Happy seeder	13684
Super seeder	52457
Paddy straw	9670
Mulcher	7053
RMB plough	8935
Zero till drill	22327
Super SMS	6267



Rotary slasher	1759
Shrub Master	83
Cutter cum spreader	970
Rotavator	3835
Baler	1554
Rake	1413
Crop Reaper/Reaper	51
Smart Seeder	22
Surface Seeder	771
Total	130851

Ex-situ Management

- i. The ex-situ components have been included in the CRM scheme and the Department is providing subsidy on balers and rakes.
 - ii. Till now, the Department has provided **1554 Balers and 1413 Rakes** on subsidy under the CRM scheme.
 - iii. During the current year 2023-24, the Govt. of India has added a component regarding Establishment of crop residue/paddy straw supply chain. Under this component paddy straw supply chain with capacity of managing 3000MT/4500MT of paddy straw, are being established.
 - iv. During the year 2023-24, 8 such centers were established in the State. The number of such supply chain centres is going to increase with the increase in the industry utilizing paddy straw.
- b. Details regarding mode and manner of removal of straw from the field, its transportation to different units of ex-situ management**
- i. The utilization of paddy straw is increasing in the industry.
 - ii. The supply chain of paddy straw to industries in Punjab involves several key steps, from collection to transportation and processing. This supply chain is crucial for utilizing paddy straw as a raw material

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in various industrial applications, such as CBG Plants , Boilers, Pellets/briquette industry, Paper Industry and animal fodder.

1. Collection : - The collection of paddy straw begins immediately after harvesting paddy in the field. Paddy is harvested using combine harvesters. Afterwards the loose straw is arranged in rows with the use of Rake Machine, which facilitates the working of baler in the field. The straw is then baled using baling machines. Bales are easier to handle, store, and transport.

2. Storage : Proper storage is essential to maintain the quality of paddy straw. Bales are stored temporarily in open fields or covered with plastic sheets. In some cases, bales are moved to centralized storage facilities that offer better protection and management. Stored paddy straw is preserved until it is needed for industrial use.

3. Transportation: Transportation is a critical link between the fields and industrial units. Bales are loaded onto trucks or tractor trailers for transportation. Some aggregators are supplying the straw to industry and there are some who are exporting it as fodder to other states.

- iii. Local entrepreneurs, often farmers themselves, began to invest in machinery and infrastructure for collecting, baling, and storing paddy straw. They formed networks to aggregate paddy straw from multiple farms. Over the years number of such paddy straw aggregators have come up in the State.
- iv. These farmers have been facilitated by the Department through provision of subsidy on the procurement of Ex-situ Machine (Baler & Rake) under Crop Residue Management Scheme.
- v. Meetings are conducted with paddy straw aggregators to promote collection of paddy residue and solve any issues faced by them.
- vi. Subsidy is provided on establishment of paddy supply chain centers for creation of a robust supply chain for industries.



- vii. Meetings are held with crop residue based industries to promote usage of paddy straw.
- c. **Detailed justification regarding the figures of in-situ utilization disclosed for the year 2023**
- During the year 2023, 11.50 million tons of paddy straw was estimated to have been managed through various in-situ means.
 - The amount of paddy stubble being managed is calculated on the basis of field capacity of primary machines which are Super Seeder, Happy Seeder, Smart Seeder, Surface Seeder and Reversible MB Plough.
 - The remaining in-situ machines which are provided under the subsidy scheme are used for various field preparation operations.
 - The estimated amount of paddy stubble managed (in-situ) in the state during 2023-24 are as under

Name of Machine	Total working machines	Field Capacity per day (ha) (8 hours per day)	Total area managed in ha	Assuming machines working at 50 % field capacity
Happy Seeder	2521	2.66	133888.96	0.44
Super Seeder	51976	1.92	1995859.2	6.49
Surface Seeder	771	6.02	92766.72	0.30
Smart Seeder	22	2.82	1239.04	0.00
RMB Plough	4557	2.34	212903.04	0.69
Zero Till Drill	15289	3.62	1106923.6	3.60
Total	75135		3543580.56	11.52
			approx - 11.5 mil. tonnes	

* length of season - 20 days.

** Paddy straw collected per ha - 6.5 tonnes

*** (Total working machines are calculated assuming all the machines provided in 2018-19 are obsolete & half of the machines provided in 2019-20 are also obsolete)

- v. Due to various field conditions, less window period of utilization and other factors such as breakdown & maintenance, this available equipment operate at a maximum of 50% of the field capacity. If we calculate at 50% of the field capacity the amount of straw managed is around 11.5 million tonnes.
 - vi. Continuous support, training, and refinement of these technologies are essential to maximize their effectiveness and ensure sustainable paddy straw management in the region.
- d. Detailed report as to how projected figures for the year 2024 with respect to in-situ management and for fodder purposes are to be achieved**
- i. The subsidy/financial assistance for procurement of various CRM machines is being provided under Crop Residue Management Scheme.
 - ii. For the financial year 2024-25 the scheme is being implemented on SMAM funding pattern (60:40).
 - iii. An annual action plan of Rs. 500 crore has been approved under the scheme for the year 2024-25.
 - iv. The following allocations have been in the action plan

Component	Centre Share (60%)	State Share (40%)	Total Funds (Rs. in lakh)
Procurement of Agriculture Machinery	7535.73	5023.82	12559.55
Establishment of Custom Hiring Centre	15840.00	10560.00	26400.00
Establishment of Paddy Supply Chain	2535.00	1690.00	4225.00



Information Education Communication	1093.05	728.70	1821.75
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- v. As per the plan approx. 10,000 various implements are to be provided to the individual farmers and 1100 CHC are to be established in the State.
- vi. In order to meet the targeted bailing capacity, maximum Balers and Rake machines shall be supplied as a part of the new component under CRM scheme for Ex-situ application.
- vii. Funds amounting to Rs.150.00 crore (central share) has been released by Govt, of India vide letter dated 1.7.2024. The Department of Agriculture and farmers Welfare, Punjab is starting the process for release of State share.
- viii. The process of calling of applications from the intended beneficiaries under the scheme for the year 2024-25 has already been completed. The revised guidelines and instructions for implementing the scheme have been circulated to the districts Offices. The Department would start the process of selection of beneficiaries within the next fortnight.
- ix. The target for management of paddy straw through in-situ means during the current year is 12.70 Million Tonnes.
- x. The target has been calculated in the similar pattern as enumerated in point number "C". Additionally it is assumed that some of the machines provided earlier under the scheme have fulfilled their useful life.
- xi. For utilization as fodder the target is 0.86 Million tones. Mainly the basmati straw is used as fodder but the utilization of paddy straw for maintenance feed in animals is increasing. The Department of Agriculture will coordinate with the Department of Animal Husbandry to promote the use of paddy straw as fodder.
- xii. A state level committee has been constituted to utilize paddy straw as fodder in the state.

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B. Punjab Energy Development Agency (PEDA)

a. **Details regarding mode and manner of removal of straw from the field, its transportation to different units of ex-situ management, the capacity of such units i.e. bio-gas power plants, CBG plant etc.**

- i. Paddy Straw is removed from the fields using Biomass Aggregation Machinery by Private Aggregators and Project Developers on their own.
- ii. Paddy straw is transported through tractor trollies in the baled form from field to storage area and is further transported in baled form from storage area to plant as per the daily consumption of paddy straw of the plant.

Total Biomass Power Projects: 11, detail is given in **Annexure-A**

Total Capacity of Biomass Power Projects: 101.5 MW

Consuming about 10 Lac ton paddy straw annually.

Total CBG Projects: 38

Total Capacity of CBG Projects: 470 TPD CBG

- iii. 4 CBG projects of total capacity 85.23 TPD CBG are operational and are consuming 1.70 lac ton paddy straw annually the detail of which is given in **Annexure-B**.
- iv. 7 projects of total capacity 79 TPD CBG are to be operational during Financial Year 2024 – 25 and will collect 1.80 lac ton paddy straw in 2024. Detail has already been given in **Annexure-B**
- v. In addition to above 27 more CBG projects are at different stages of execution having capacity 305.27 TPD CBG to consume 8.674 tons paddy straw annually and are likely to be operational in next 1.5 - 2.0 years. The detail of 27 CBG projects is given in **Annexure-C**

Total 2G Bio-ethanol projects: 1

Capacity of 2G Bio-ethanol projects: 100 Kl/day

At full capacity to consume 2.00 Lac ton paddy straw annually. To be operational in 2024.

b. Detailed justification regarding the figures of ex-situ utilization in CBG plants, bio-mass power plants, bio-ethanol plants for the year 2023.

i. The details of Paddy Straw collected by CBG, Biomass Power and Bio-ethanol Plant in 2023:

1. Biomass Power Projects – 0.96 Lakh ton
2. CBG Projects- 3.00 Lakh ton
3. Bio-ethanol plant – 1.00 lakh ton

The above-mentioned figures for collection of paddy straw by CBG, Biomass Power and Bio-ethanol projects has been collected from the private project developers.

c. Detailed report as to how projected figures for the year 2024 are to be achieved.

- i. PEDDA is facilitating project developers for commissioning of projects as per commissioning schedule, so that paddy straw can be collected as per target for year 2024.
- ii. Regular review meetings are being held with CBG and bio-ethanol projects developers, for resolution of issues being faced by them for expeditious implementation of the projects.
- iii. The issues raised by the developers in the review meetings are being taken up by PEDDA with the concerned Department of Govt. of Punjab as well as with Govt. of India, in order to resolve the same.

C. Department of Power

a. Details regarding mode and manner of removal of straw from the field, its transportation to Thermal Power Plants of ex-situ management

Regarding mode and manner of removal of straw from the field, it is intimated that this is not in the scope of Thermal Power Plants. The Biomass pellets required for Co-Firing in Thermal Power Plants are being procured through Open Tenders from the market



- b. **Detailed justification regarding the figures of ex-situ utilization in Thermal Power Plants for the year 2023.**

Regarding justification of the figures for year 2023, it is intimated that the Biomass Pellets were received against the already placed Purchase Orders and were Co-Fired in TPPs.

port as to how projected figures for the year 2024 are to be

g the preparation for projected figures for year 2024, it is d that POs have been placed by all TPPs of Punjab State. The is being continuously taken up with the firms for ensuring the f Biomass Pellets. Further, fresh Tender Enquiries are also being for availing more supplies to ensure achieving of the projected

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all the Deputy Commissioners in consul
departments at district level. The detail
enclosed as Annexure-D.

E. Punjab Pollution Control Board (PPCB)

- a. **Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management alongwith details regarding the quantity of paddy straw to be used in each industrial unit.**
- i. Paddy Straw is removed from the fields using Biomass Aggregation Machinery by Private Aggregators and Project Developers on their own.

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Balers and Rakers have been provided in all the districts for removal of straw from the fields.

- ii. Paddy straw is transported through tractor trollies in the baled form from field to storage area and is further transported in baled form from storage area to plant as per the daily consumption of paddy straw of the industries. Most of the industries have provided their own storage areas/complexes for storage of paddy straw
- iii. Tractors/trolleys have been provided in each district, which are specially designed to carry/ haul bales from fields to storage points and further to points of consumption. Apart from these, industries which are using paddy straw have their own specialized trolleys to carry the bales. So, a robust mechanism of transportation of Ex-situ managed paddy straw exists in the state. The Govt of Punjab is also trying to facilitate better coordination between farmers, aggregators and industry so that there is smooth and optimum transportation and storage of Ex-situ managed paddy straw in the district
- iv. The data pertaining to paddy straw being utilized by industries in each and every district along with capacity of the industrial units, paddy straw being used by the units along with number of balers and rakers available in each district has already been provided in **Annexure-D** and the same may kindly be perused.

b. Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023.

- I. 2.1 Million MT Paddy Straw was collected by the industrial boilers in 2023.
 - i. 18 Industries had commissioned and operationalized 100% paddy straw based boilers in 2023 thereby consuming 11.09 Lakh Tonne of Paddy Straw.
 - ii. 15 Industries had commissioned and operationalized boilers based on blending of Paddy Straw with other fuels in 2023 thereby consuming 4.32 Lakh Tonne of Paddy Straw.



- iii. 6 industries had commissioned and operationalize new boilers based on Paddy Straw in 2024 but had procured paddy straw in the paddy season 2023 thereby collecting 5.29 Lakh tones of Paddy straw in paddy season 2023.
 - II. As such, Total Paddy straw procured in the year 2023 is:- 11,08,950 TPA + 4,32,322 TPA + 5,29,000 TPA = 20,69,972 TPA (Nearly 20.69 Lac TPA or 2.1 Million Tonnes)
 - III. The details of each industry along with paddy straw consumption in 2023 is enclosed as Annexure-E.
- c. **Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.**
- i. A target of 3.1 Million Tonne has been fixed for utilization of paddy straw in the industrial Boilers in the paddy season 2024. As such, an additional 1 Million tonne has been targeted to be used in the year 2024 from the last 2.1 Million Tonnes
 - ii. 36 new industries are setting up boilers to consume an extra 11.28 lakh MT in 2024. Beside this, the sugar mills and milk plants having industrial boilers are being encouraged to use paddy straw based as fuel
 - iii. PPCB is facilitating industries for commissioning of projects as per commissioning schedule, so that paddy straw can be collected as per target for year 2024.
 - iv. Regular review meetings are being held with the industries, for resolution of issues being faced by them for expeditious implementation of the projects.
 - v. PPCB is extensively promoting setting up of palletization plants in the State of Punjab. There are 13 operational paddy straw pellet manufacturing units are 21 more are expected to be operational by November 2024.
 - vi. The brick kiln association had filed court case in Hon'ble High Court in CWP no. 24772-2023 titled as Punjab Brick Kiln Association vs State of Punjab & other regarding the mandatory replacement of atleast 20% coal

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with paddy straw pellet as fuel as per Govt. of Punjab, Department of Science Technology & Environment notification dated 04.11.2022 and the Hon'ble High Court has stayed the implementation of the directions. The next date of hearing is 30.07.2024. The Government of Punjab is putting forth all efforts to get the stay vacated

8. That respectfully, it is submitted that the State of Punjab is making all necessary, essential and imperative efforts to eradicate the problem of stubble burning with the involvement and participation of various stakeholder departments duly identified in the Action Plan submitted to the Central Commission for Air Quality Management in NCR and Adjoining Areas.
9. That the State of Punjab has taken and is taking all the possible steps for the prohibition and control of stubble burning. The State Government is further strengthening the IEC activities amongst the farming community for making behavioural change so as to totally eradicate the stubble burning incidents.
10. That the status report on behalf of the State of Punjab is hereby submitted in compliance to order dated 03.04.2024 for kind perusal and consideration of this Hon'ble Tribunal.

Submitted by

Date: 09.07.2024

Place: PATIALA


 (Gurindar Singh Majithia)
 Member Secretary,
 Punjab Pollution Control Board
 Patiala
 Punjab Pollution Control Board
 PATIALA
 On behalf of the State of Punjab

Detail of Paddy Straw to be collected by Biomass Power Project developers during season October-November 2024:

S.No.	Name of the Company	Location of the project	Capacity in MW	Quantity collected during current season in (Ton)	Status
1	M/s. Malwa Power Ltd.	Village: Gulabewala, Tehsil & Distt: Mukatsar	6.00	90000	Commissioned and operational since May 2005
2	M/s. Dee Development Engineers Pvt. Ltd	Village: Gadda Dhub, Tehsil: Abohar, Distt: Fazilka	8.00	90000	Commissioned and operational since Feb' 2009
3	M/s. Universal Biomass Energy Pvt. Ltd.	Village: Channu, Tehsil: Malout, Distt: Mukatsar	14.50	100000	Commissioned and operational since Oct'2009
4	M/s. Green Planet Energy Pvt. Ltd.	Village: Binjon, Tehsil: Garhshankar, Distt; Hoshiarpur	6.00	60000	Commissioned and operational since March'2012
5	M/s. Green Planet Energy Pvt. Ltd.	Village: Bir Pind, Tehsil: Nakodar, Distt, Jalandhar	6.00	60000	Commissioned and operational since Feb'2013
6	M/s. Viaton Energy Pvt. Ltd.	Village: Khokhar Khurd, Tehsil & Distt: Mansa	10.00	100000	Commissioned and operational since July 2013
7	M/s. Green Planet Energy Pvt. Ltd.	Village: Binjon, Tehsil: Garhshankar, Distt; Hoshiarpur	4.00	5000	Commissioned and operational since August 2018
8	M/s. Sampuran Agri Venture Pvt. Ltd.	Village: Panchewali, Tehsil: Fazilka, Distt: Fazilka	1.00	5000	Commissioned and operational since February 2015
9	M/s. Sukhbir Agro Energy Limited	Village: Sedda Singh Wala Tehsil: Jaitu, Distt: Faridkot	18.00	200000	Commissioned and operational since December 2019
10	M/s. Sukhbir Agro Energy Limited	Village : Hukumat Singh Wala, Tehsil & Distt: Ferozepur	18.00	200000	Commissioned and operational since December 2019
11	M/s. Sukhbir Agro Energy Limited (PSPCL Jalkheri Project)	Tehsil & Distt: Fatehgarh Sahib	10.00	90000	Commissioned in June 2024 (Project has been allocated by PSPCL.)
	Total		101.5	10.00 Lakh Metric ton per annum	


Member Secretary
Punjab Pollution Control Board
Patiala.

Detail of Paddy Straw to be collected by Compressed Biogas (CBG) Project developers during season October-November 2024:

S.No.	Name of the company	Location	Capacity of project	Quantity of paddy straw to be collected during this Season 2024
Commissioned CBG Projects				
1.	M/s. Verbio India Private Limited (Commissioned)	Tehsil: Lehragaga District: Sangrur	33.23 Ton per day CBG	50,000 Ton
2.	M/s. Farm Gas Private Limited (Commissioned)	Tehsil: Khanna District: Ludhiana	12 Ton per day CBG	40,000 Ton
3.	M/s. Sangrur RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited) (Commissioned)	Tehsil: Dhuri District: Sangrur	20 Ton Per day	40,000 Ton
4.	M/s. Patiala RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited) (Commissioned)	Tehsil: Patran District: Patiala	20 Ton per day CBG	40,000 Ton
		Total	85.23 TPD CBG	1,70,000 Ton paddy straw
CBG projects to be Operational in Financial Year 2024-25.				
5.	M/s. Reliance Chemicals and Materials Limited	Tehsil & District Hoshiarpur	20 Ton Per day	50,000 Ton
6.	M/s. Enemxt Private Limited	Tehsil: Payal District: Ludhiana	10 Ton Per day	35,000 Ton
7.	M/s. Ludhiana RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited)	Tehsil: Jagraon District: Ludhiana	20 Ton Per day	20,000 Ton


Member Secretary
Punjab Pollution Control Board
Patiala.

8.	M/s. Moga RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited)	Tehsil & District: Moga	12 Ton Per day	20,000 Ton
9.	M/s. Cities Innovative Private Limited	Tehsil & District: Fathegarh Sahib	2.25 Ton per day CBG	10,000 Ton
10.	M/s. Grass2Gas Biofuel LLP	Tehsil: Dharamkot District: Moga	5 Ton Per Day	20,000 Ton
11.	M/s. Punj Aab Biofuels and Fertilizers Pvt. Ltd.	Tehsil: Samrala District: Ludhiana	10 Ton Per Day	16,000 Ton
		Total	79.25 TPD CBG	1,80,000 Ton paddy straw
		Grand Total	164.46 TPD CBG	3,50,000 Ton Ton paddy straw

Bio-ethanol Project by HPCL:

S.No.	Name of the company	Location	Capacity of project	Quantity of paddy straw to be collected during this Season 2024
1.	Bio-ethanol Project by HPCL (Expected to commission by July 2024)	Talwandi Saboo, Bathinda	100 Kl/day	2.00 Lac Ton


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Patiala.

**DETAIL OF 27 CBG PROJECTS WHICH ARE IN PIPE LINE, WHERE PADDY STRAW
WILL BE USED**

S. No.	Name of the Company/ Location of the project	Capacity	Quantity of Paddy straw required for plant (lac ton per annum)	Location
1	M/s Third Green Energy Private Limited (SPV of M/s. Third Eye Hospital Private Limited)	10 TPD CBG	0.336 lac ton per annum	Village Kandhala Tehsil: Jalandhar-II, District: Jalandhar
2	M/s. Third Bio Renewables Private Limited.	10 TPD CBG	0.336 lac ton per annum	Village Salah Nagar Tehsil: Shahkot, District: Jalandhar
3	M/s. Third CBG Private Limited, (SPV of M/s. Jageribag Phool Private Limited)	10 TPD CBG	0.335 lac ton per annum	Village Shahpur Tehsil: Dasuya, District: Hoshiarpur
4	M/s. Aquagreen Energies Private Limited	2.5 TPD CBG	Raw material: Napier Grass 60 TPD and other biodegradable waste-40 TPD	Village: Muskabad, Tehsil: Samrala, District: Ludhiana
5	M/s. Jalandhar RNG Private Limited (SPV of Everenviro Resource Management Pvt. Ltd, Mumbai)	20 TPD CBG	0.68 lac ton Per Annum	Village Talwan-1 Tehsil: Phillaur Distt: Jalandhar
6	M/s. Patiala Biogas Private Limited (SPV of M/s. PES Renewables Private Limited)	10 ton CBG per day	0.336 lac ton Per Annum	Vill: Galwatti, Tehsil: Nabha, District: Patiala
7	M/s. Gurdaspur Biogas Private Limited, (SPV of M/s. PES Renewables Private Limited)	10 ton CBG per day	0.336 lac ton Per Annum	Village: Mari Panwan Tehsil & District :Gurdaspur
8	M/s. Amritsar Bio Gas Private Limited (SPV of M/s. PES Renewables Private Limited)	10 TPD CBG	0.336 lac ton Per Annum	Village: Rakh Othian, Tehsil: Lopoka, Sub- Tehsil: Raja Sansi, Distt: Amritsar
9	M/s. Hurani Agro And Energy Pvt. Ltd.	10 TPD CBG	0.336 lac ton Per Annum	Village: Pindi, Tehsil: Batala, District: Gurdaspur

10	M/s. T.R. Mega Foods and Beverages LLP	5 ton per day CBG	0.168 lac ton per annum	Vill: Sandhwan, Tehsil Kotakpura, Distt: Faridkot
11	M/s. Emm Dee Bio Gas Private Limited	15.6 TPD CBG	0.520 lac ton p.a.	Village: Anokharwal Tehsil: Banga, District: Shaheed Bhagat Singh Nagar
12	M/s. Kapurthala RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil & Distt: Kapurthala
13	M/s. Tamtaran RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil: Patli Distt: Tam Taran
14	M/s. Rampura RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil: Rampura Phul, District: Bathinda
15	M/s. Baranala RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per annum	Tehsil & District: Barnala
16	M/s. Sandhu CNG LLP	5TPD CBG	0.168 lac ton per annum	Tehsil & Distt: Faridkot
17	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Shahkot Distt: Jalandhar
18	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Dina Nagar, District: Gurdaspur
19	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Guru Har Sahai District: Ferozepur
20	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Khadoor Sahib, District: Tam Taran
21	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Mukerian, District: Hoshiarpur
22	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Phagwara, District: Kapurthala

23	M/s. RNG Sterling Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil & District: Patiala
24	M/s. A2P Climate Tech Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil: Amloh, District Fatehgarh Sahib
25	M/s. A2P Climate Tech Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil & District: Malerkotla
26	M/s. Punjab Bio-Fuels Private Limited	12TPD CBG	0.450 Lac ton per annum	Tehsil: Dirba, District Sangrur
27	M/s. W2Jwala Bioenergy Private Limited,	5 ton CBG per day	0.150 lac ton Per Annum	Tehsil: Derabassi, Distt. SAS Nagar
	TOTAL	305 TPD CBG	8.67 lac ton per annum	


Member Secretary
Punjab Pollution Control Board
Patiala.



ਦਫਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਅੰਮ੍ਰਿਤਸਰ
Office of the Deputy Commissioner, Amritsar

To
The Member Secretary
Punjab Pollution Control Board
Patiala

No... 1615

Dated... 08/07/2024

Sub: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 15803-06 dated 04.07.2024

In regard to above, the information sought vide above reference letter, pertaining to District Amritsar is as under: -

Sr. No.	Information Sought	Information related to District Amritsar																												
1.	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of the bidders and rakers in each district	<p>For ex-situ management, there are 02 no. Industries using paddy straw as fuel in the boiler, 02 no. Industries which will be use paddy straw as raw material for manufacturing of paddy straw pallets, 01 no. industry (under installation) will use paddy straw as raw material for production of CBG and 01 no. another industry which is installing boiler & paddy will be used as fuel. The detail of the utilization capacity of the units is as under:-</p> <table border="1"> <thead> <tr> <th>Name and address of the industry</th> <th>Type of Industry</th> <th>Present status of the industry</th> <th>Quantity of Paddy Straw (in T/Annum)</th> </tr> </thead> <tbody> <tr> <td>M/s Buttar Biofuels Pvt. Ltd., Village Buttar Seviyan, Teshil Baba Bakala, District Amritsar, Punjab.</td> <td>Bio-Ethanol</td> <td>Operational</td> <td>205000</td> </tr> <tr> <td>M/s Rana Sugars Limited, Village Buttar Seviyan, Teshil Baba Bakala, District Amritsar</td> <td>Sugar Mill</td> <td>Operational</td> <td>125000</td> </tr> <tr> <td>M/s JKSH Bio Fuel, Village Mughlani Kot, Tehsil Rajasansi, District Amritsar.</td> <td>Paddy Straw Palletization Plant</td> <td>Operational</td> <td>32900</td> </tr> <tr> <td>JKSH Green Power Private Limited Village Mughlani Kot, Rajasansi, Tehsil Ajnala</td> <td>CBG Plant</td> <td>Under Installation</td> <td>28200</td> </tr> <tr> <td>M/s Earth Renewables, Village Chabba, Tarn Taran Road, Amritsar C/o Seljal Processors Pvt. Ltd., G.T. Road, Civeharka, Amritsar</td> <td>Paddy Straw Palletization Plant</td> <td>Under Installation</td> <td>600</td> </tr> <tr> <td>M/s Natraj Woolltex Ltd, Plot No. 30, Focal Point, Amritsar</td> <td>Dyeing unit</td> <td>Under Installation (Boiler)</td> <td>1500</td> </tr> </tbody> </table>	Name and address of the industry	Type of Industry	Present status of the industry	Quantity of Paddy Straw (in T/Annum)	M/s Buttar Biofuels Pvt. Ltd., Village Buttar Seviyan, Teshil Baba Bakala, District Amritsar, Punjab.	Bio-Ethanol	Operational	205000	M/s Rana Sugars Limited, Village Buttar Seviyan, Teshil Baba Bakala, District Amritsar	Sugar Mill	Operational	125000	M/s JKSH Bio Fuel, Village Mughlani Kot, Tehsil Rajasansi, District Amritsar.	Paddy Straw Palletization Plant	Operational	32900	JKSH Green Power Private Limited Village Mughlani Kot, Rajasansi, Tehsil Ajnala	CBG Plant	Under Installation	28200	M/s Earth Renewables, Village Chabba, Tarn Taran Road, Amritsar C/o Seljal Processors Pvt. Ltd., G.T. Road, Civeharka, Amritsar	Paddy Straw Palletization Plant	Under Installation	600	M/s Natraj Woolltex Ltd, Plot No. 30, Focal Point, Amritsar	Dyeing unit	Under Installation (Boiler)	1500
Name and address of the industry	Type of Industry	Present status of the industry	Quantity of Paddy Straw (in T/Annum)																											
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Member Secretary
Punjab Pollution Control Board
Patiala.

		<ul style="list-style-type: none">• Total 396200 Ton paddy straw will be utilized by these units from 60,953-hectare paddy area.• These units have their own machinery for removal of straw from the fields as well as own arrangement for transportation to the storage area.• Baler operator are hiring land on rental basis near their area of operation to store paddy straw. Balers operator remove paddy straw from field at their own level.• There are 31 Balers & 28 Rakes are available in Dist Amritsar. On the Onset of paddy harvesting season some private aggregators from other Districts comes to Amritsar along with 60-70 balers & Rakes for making bales.• In 2024 there are 52 new applications for Balers and 51 applications for Rakes are received from individual farmer/ CHCs of Dist. Amritsar. All these applications are likely to be approved soon and farmers will able to purchase new Balers & Rakes.
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This is for your information.

For Deputy Commissioner,
Amritsar


Member Secretary
Punjab Pollution Control Board
Patiala.

ਦਫ਼ਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਬਰਨਾਲਾ

ਡੀ.ਆਰ.ਏ (ਐਮ ਤੇ ਟੀ) ਸਾਖਾ

Web.Site:www.barnala.gov.in

Email.dratdcbnl@gmail.com

ਸੇਵਾ ਵਿਖੇ,

ਮੈਂਬਰ ਸਕੱਤਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਨ ਕੰਟਰੋਲ ਬੋਰਡ,
ਪਟਿਆਲਾ

ਨੰ..1585.../DRA(M&T)

ਮਿਤੀ...08/07/24

ਵਿਸ਼ਾ:-

Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application on 632. Of 2023 In Re:News Item " Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਵੱਲੋਂ ਮੀਟਿੰਗ ਮਿਤੀ 05/07/2023 ਰਾਹੀਂ ਏਜੰਡਾ ਨੰ. 05 ਸਬੰਧੀ ਰਿਪੋਰਟ ਮੰਗੀ ਗਈ ਸੀ। ਮੰਗੀ ਗਈ ਰਿਪੋਰਟ ਇਸ ਪੱਤਰ ਨਾਲ ਸ਼ਾਮਿਲ ਕਰਕੇ ਆਪ ਪਾਸ ਅਗਲੀ ਲੋਕੁੰਦੀ ਕਾਰਵਾਈ ਹਿੱਤ ਤੇਜ਼ੀ ਜਾਂਦੀ ਹੈ ਜੀ।

ਵਾ: ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ,
ਬਰਨਾਲਾMember Secretary
Punjab Pollution Control Board
Patiala.

Department of Agriculture & Farmer Welfare Barnala

S No 5,

1. For ex-situ management, there is only one company named Trident Pvt Ltd, Dhaula in the district and there is one other company is adjoining the district named R N G Blo Mass Plant, Panjgrai, Sangrur) and few storage dump for stubble at private level to move from other districts. The detail of utilization capacity of units is as under

Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of bailers and rakers in each district.	Name of the Aggregator	Total baling capacity (thousand tonnes)	Where is store located	Where Pralidivered	Transportation Through
	Trident Group, Dhaula	6	Trident	Trident	Baler owners
	AB Contractors, Handiaya	20	Handiaya, Ralla	Haryana Liquorsspt Ltd, BCL Bathinda, SangatMandi, Mehraj	Baler owners
	R N G Blo Mass Plant, Panjgrai, Sangrur)	13	Panjgrai	Panjgrai	Baler owners
	Rana Enterprises Through Happy Singh VPO Dalel Singh Wala, Mansa	6	Bhotna	Stored	Baler owners
	Karmjit Singh, Dhaula	6	Dhaula	Sukhvir Agro , Jaito, Ganpati Paper Boaed Mills Handiya&FathegarhC hanna, Sukhvir Agro Ltd Kainthal, Mason Boaed Mills Dhaula, Mehraj	Baler owners
	Surinder Singh, Dhanula	6	Dhanula	Sukhvir Agro Jaito, Handiya, Tarnjot Energy Ballo(Bathinda),Shakt i Board Mills Dhanula, Brick klins Aspal Kalan, Gatta Factory Local)	Baler owners

2. There are 51 balers and rakers operating in the district which are given on subsidy to farmers. There are two big balers (having capacity of 100-125)acres per day which are lined to other districts for Ex-situ management of paddy straw management.
3. After making of bales by bailers, the bales were then transported from farmers' fields to these storage dumps by the baler owners.
 **** The dump owners arrange their own means to transport the paddy straw from the privately established straw stores in the district to the companies in other districts.

This is for your kind information


 Member Secretary
 Punjab Pollution Control Board
 P-13



To
The Member Secretary,
Punjab Pollution Control Board,
Nabha Road, Patiala.

Dated 08/07/24

No. 2770

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024

In regard to above, the information sought vide above reference letter, pertaining to District Bathinda is as under:-

Sr. No.	Information sought	Information related to District Bathinda
5	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each district.	In district Bathinda, there are total 141 baler machines provided to farmers on subsidy and there around 60 private balers among farmers, so total 200 baler machines are available in district Bathinda. Meeting of industries utilizing paddy straw as raw material/fuel has been done on July 02, 2024. All the industries (except Hindustan Petroleum Corporation Limited (2G ethanol refinery), Nasibpura, Bathinda) have made agreements for procuring paddy straw, arrangements for storing collected paddy straw and its logistics and transportation by their own (by tractors and trollies) as information provided by industries. Work is under progress for identifying land (around 100 acres) Hindustan Petroleum Corporation Limited (2G ethanol refinery), Nasibpura, Bathinda as per their request. Assistance from Traffic Police will be given for logistics and transportation of collected paddy straw. Detailed plan regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management is attached herewith as Annexure-A

This is for your kind information.

P. Singh
8/7/24
Environmental Engineer
Regional Office, Bathinda

A copy of the above is forwarded to the Additional Deputy Commissioner (Rural Development), Bathinda for information please.

Sd
Environmental Engineer
Regional Office, Bathinda

[Signature]
Member Secretary
Punjab Pollution Control Board
Patiala

Annexure-A

Sr. No.	Block	Catchment Area (Tentative villages to be covered by Baling)	Details of Baler operator	Estimated Area to be covered (in Acres)	Tentative Location of Storage Site/ Dumpyard	Tentative Distance to be covered from catchment area to storage site (in KM)	Name of industry for which storage site works
1		AMARGARH, Akia Kalan	Priam Singh, Village Akia Kalan, Block Bathinda, Mobile No.9463841538	250	JEEDA	8-12	SUKHBIR AGRO
2		Jandawala	Jaspal Singh, Village Jandawala, Block Bathinda, Mobile No.9779247608	500	JEEDA	22-27	SUKHBIR AGRO
3		Kotshamir	Ajalb Singh, Village Kotshamir, Block Bathinda, Mobile No.9417688479	500	Kotshamir	0-5	HPCL
4		BHALAR MEHMA, MEMHA SWAI, KOTHE NATHA SINGH WALA	Ekra Agriculture Self Help Group, Village Mehma Swai, Block Bathinda, Mobile No.9417102134	1500	GANGA, Kotshamir	12-35	SETIA PAPER MILL, HPCL
5		Bhokhra	Bhokhra Agriculture Welfare Society, Village Bhokhra, Block Bathinda, Mobile No.9478234270	600	JEEDA	20-40	SUKHBIR AGRO
6	Bathinda	Jodhpur Romana	SUKHJIT SINGH, Village Jodhpur Romana, Block Bathinda, Mobile No.9815063262	650	BATHINDA (RING ROAD)	8-12	SUKHBIR AGRO
7		Katar Singh Wala	PAWAN KUMAR, Village Katar Singh Wala, Block Bathinda, Mobile No.9463374482	750	Kotshamir	12-17	HPCL
8		Naruana, BIR TLAB	HARMANDEEP SINGH, Village Naruana, Block Bathinda, Mobile No.9878506507	680	BATHINDA (RING ROAD)	6-10	BCL/ PUSAV Biofuels
9		Bir Bahman	GURMEET SINGH, Village Bir Bahman, Block Bathinda, Mobile No.9115128065	500	BATHINDA (RING ROAD)	12-17	SUKHBIR AGRO
10		Mehma Sawai, SIVIAN	Sukhlwan Singh, Village Mehma Sawai, Block Bathinda, Mobile No.9417562806	800	GANGA, Kotshamir	12-35	SETIA PAPER MILL, HPCL
11		Kotshamir, JASSI PO WALLI	Gurdeep Singh, Village Kotshamir, Block Bathinda, Mobile No.9417462552	550	Kotshamir	8-12	HPCL

12		Siryewala, Bhagta Bhai	MANDDEEP SINGH, Village Korr Singh Wala, Block Bhagta Bhai, Mobile No.9878171346	500	Siryewala	15-20	SUKHBIR AGRO
13	Bhagta Bhai	Siryewala, Bhagta Bhai	JASKARAN SINGH, Village Bhodipura, Block Bhagta Bhai, Mobile No.9915134303	500	Siryewala	15-20	SUKHBIR AGRO
14		Amargarth, GHARI BHAGI, SIVIAN	IQBAL SINGH, Village Amargarth, Block Goniana, Mobile No.9417732863	700	Kotshamir, JEEDA	20-40	HPCL, SUKHBIR AGRO
15		KILI NIHAL SINGH, ABLU, MEMHA SAKIA, KOTHE CHAT SINGH	Jagdish Singh, Village ABLU, Block Goniana, Mobile No.9023054014	600	KOTHE CHET SINGH	17-17	SETIA PAPER MILL
16		KOREANA, NETANA, SINGO	LAKHVEER SINGH, Village Mehma Sewal, Block Goniana, Mobile No.7355184868	1500	GANGA, Kotshamir	12-35	SETIA PAPER MILL, HPCL
17		Jeeda	BHARBHUR SINGH, Village Jeeda, Block Goniana, Mobile No.9464133300	800	Jeeda	5-10	SUKHBIR AGRO
18		Mehma Bhagwana, MEMHA SARKARI	Yadvinder Singh, Village Mehma Bhagwana, Block Goniana, Mobile No.7009954465	700	Kotshamir, JEEDA	20-28	HPCL, SUKHBIR AGRO
19	Goniana	Amargarth, GHARI BHAGI, SIVIAN	RANJIT SINGH, Village Amargarth, Block Goniana, Mobile No.951737277	750	Kotshamir, JEEDA	20-40	HPCL, SUKHBIR AGRO
20		Amargarth, GHARI BHAGI, SIVIAN	JAGMEET SINGH, Village Amargarth, Block Goniana, Mobile No.951757277	700	Kotshamir, JEEDA	20-40	HPCL, SUKHBIR AGRO
21		Amargarth, GHARI BHAGI, SIVIAN	Gurpayar Singh, Village Amargarth, Block Goniana, Mobile No.9779554602	600	JEEDA	18-22	SUKHBIR AGRO
22		Mehma Bhagwana, MEMHA SARKARI, Mehma Sarja	MANDDEEP SINGH, Village Mehma Sarja, Block Goniana, Mobile No.9914896099	700	Kotshamir, JEEDA	20-28	HPCL, SUKHBIR AGRO
23		Mehma Sewal	KARAMJIT SINGH, Village Mehma Sewal, Block Goniana, Mobile No.9463636894	700	Kotshamir, JEEDA	20-45	HPCL
24		Barkandi	SUKHJINDER SINGH, Village Barkandi, Block Goniana, Mobile No.9876855114	600	JEEDA	18-22	SUKHBIR AGRO

25	Tungwall, Kotshamir	Jamali Singh, Village Ghuman Kalan, Block Maur, Mobile No.9464083070	500	Kotshamir	22-27	HPCL
26	GIATHE WALA, Ramnagar, BHAGI WANDER	Manvir Sway Sahayeta Group, Village Ramnagar, Block Maur, Mobile No.9815031991	800	Kotshamir	22-27	HPCL
27	Lehra Mohhabat	MAJOR SINGH, Village Ghuman Kalan, Block Maur, Mobile No.9465139248	750	Kotshamir	32-37	HPCL
28	Raikhana	GURMEET SINGH DHILLON, Village Raikhana, Block Maur, Mobile No.8847003619	650	Kot Fatta	8-10	DHILLON Biofuels
29	Kot Fatta, KOT BIARA	SUKHWANDER PHAN, Village Kot Fatta, Block Maur, Mobile No.9988234977	800	Kot Fatta, Kotshamir	8-17	DHILLON Biofuels, HPCL
30	Kot Fatta	PARAMJIT SINGH, Village Kot Fatta, Block Maur, Mobile No.9888788926	700	Kot Fatta	5-7	DHILLON Biofuels
31	Kot Fatta, RAI KHANA	GOBIND SINGH, Village Kot Fatta, Block Maur, Mobile No.9463332809	850	Kot Fatta, Kotshamir	5-15	DHILLON Biofuels, HPCL
32	Kot Fatta, MANAK KHANA	NIRMAL SINGH, Village Kot Fatta, Block Maur, Mobile No.7888655541	700	Kot Fatta	5-7	DHILLON Biofuels
33	KUTTIWAL KHURD, Maur	Balwinder Singh, Village Ghuman Kalan, Block Maur, Mobile No.8283758909	500	Kotshamir	22-27	HPCL
34	Gehri Bara Singh	Des RAJ, Village Gehri Bara Singh, Block Maur, Mobile No.9805978797	600	KOT FATTA	12-17	DHILLON Biofuels
35	KUTTIWAL KHURD	ramnarayan singh, Village Ghuman Kalan, Block Maur, Mobile No.9463419175	800	Kotshamir	28-32	HPCL
36	GHUMAN KHURD	MOHINDER SINGH, Village Ghuman Kalan, Block Maur, Mobile No.9463937576	900	Kotshamir	32-37	HPCL
37	GURMAN KALAN	RANJIT SINGH, Village Ghuman Kalan, Block Maur, Mobile No.9464078246	650	Kotshamir	30-35	HPCL

38	KUTTIWAL KHURD	HEERPAL KAUR, Village Kuttiwal Khurd, Block Maur, Mobile No.6284039980	790	Kotshamir	33-37	HPCL
39	CHATHE WALA, Ramnagar, BHAGI WANDER	KERAN SWAY SAHAYETA GROUP, Village Ramnagar, Block Maur, Mobile No.9437466714	800	Kotshamir	28-32	HPCL
40	Maiseekhiana	sudhveer singh, Village Maiseekhiana, Block Maur, Mobile No.7589450864	800	Kotshamir	28-32	HPCL
41	Thamangarh	MANPREET SINGH MAKHAN, Village Thamangarh, Block Maur, Mobile No.9463431802	600	RAMNAGAR	6-10	8CL/ PLUSAV Biofuels
42	KUTTIWAL KALAN	Amarjeet Singh, Village Ghuman Kalan, Block Maur, Mobile No.9464132431	800	Kotshamir	33-37	HPCL
43	MAUR	Charanjeet Singh, Village Ghuman Kalan, Block Maur, Mobile No.9872451135	700	KHOKER, MANSA	28-32	
44	KUTTIWAL KHURD	Ram Narayan Singh, Village Ghuman Kalan, Block Maur, Mobile No.9463419175	750	Kotshamir	33-37	HPCL
45	RAJ KHANA, BHUNDER	Major Singh, Village Ghuman Kalan, Block Maur, Mobile No.9463419175	700	Kotshamir	18-22	HPCL
46	Ganga	Kala Singh, Village Ganga, Block Nathana, Mobile No.9463322579	650	Siryewala	15-20	SUKHBIR AGRO
47	Out of district	Harvinder Kaur, Village Bhenil, Block Nathana, Mobile No.9417588886	NA	NA	NA	NA
48	Kalyan Sukha	HARPREET, Village Kalyan Sukha, Block Nathana, Mobile No.9455355070	700	Siryewala	15-20	SUKHBIR AGRO
49	Kalyan Sukha, KALYAN SUKHA	MOHTAM SINGH, Village Kalyan Sukha, Block Nathana, Mobile No.9463614705	650	Siryewala	15-20	SUKHBIR AGRO

50	Lehra Mohhabat, LEHRA DHQOR, KOT	KAUR SINGH SIDHU, Village Lehra Mohhabat, Block Nathana, Mobile No.9417168137	700	Kotshamir	20-25	HPCL
51	Lehra Mohhabat, LEHRA KHANDANA	RAMYOD SINGH, Village Lehra Mohhabat, Block Nathana, Mobile No.9465289085	700	Kotshamir	20-25	HPCL
52	Ganga	Babali Singh, Village Ganga, Block Nathana, Mobile No.9464656267	700	Siryewala	20-25	SUKHBIR AGRO
53	Gobindpura, BIBI WALA	MANINDER SINGH, Village Gobindpura, Block Nathana, Mobile No.9803674507	700	BHAGI WANDER	23-27	HPCL
54	Lehra Mohhabat	SUKHMINDER SINGH, Village Lehra Mohhabat, Block Nathana, Mobile No.9041588085	500	LEHRA MUHOBAT (POWER PLANT)	0-10	LEHRA MUHOBAT (POWER PLANT)
55	Bajjoana	HARVINDER SINGH, Village Bajjoana, Block Nathana, Mobile No.9464072355	600	BAJAKHANA	15-20	SUKHBIR AGRO
56	Tungwali	BUTA SINGH, Village Tungwali, Block Nathana, Mobile No.9463842969	500	Kotshamir	15-20	HPCL
57	Lehra Khana	SUKHWINDER SINGH, Village Lehra Khana, Block Nathana, Mobile No.9417400883	800	Kotshamir	22-27	HPCL
58	Gobindpura	SATPAL SINGH, Village Gobindpura, Block Nathana, Mobile No.9463440398	750	BHAGI WANDER	28-32	HPCL
59	Gobindpura	ASHOK KUMAR, Village Kalyan Sukha, Block Nathana, Mobile No.9915238731	780	Siryewala	18-22	SUKHBIR AGRO
60	Selbrah, DIALPURA	GURPREET SINGH, Village Selbrah, Block Phul, Mobile No.9041909518	700	Siryewala	15-20	SUKHBIR AGRO
61	Selbrah, SIDHANA	MULDEEP SINGH, Village Selbrah, Block Phul, Mobile No.9465287056	800	Siryewala	15-20	SUKHBIR AGRO

62	Selbrah	HARJEET SINGH, Village Selbrah, Block Phul, Mobile No.9815815668	680	Sriyawaia	18-22	SUKHBIR AGRO
63	Bhai Rupa	SUKHMANDER SINGH, Village Bhai Rupa, Block Phul, Mobile No.9814480337	50	Bhai Rupa		Self use
64	Mehraj Patti Saul, Mehraj Patti Kala	JAGJWANJOT KAUR, Village Mehraj Patti Kala, Block Phul, Mobile No.9464656500	660	Mehraj TO GURUSAR RAD	8-12	AB CONTRACTOR
65	Selbrah, PHUL	HARBANS SINGH, Village Selbrah, Block Phul, Mobile No.9913444281	700	Sriyawaia	14-18	SUKHBIR AGRO
66	Mehraj Patti Saul, Mehraj Patti Kala, RAMPIJRA	KABAL SINGH, Village Mehraj Patti Saul, Block Phul, Mobile No.9815160184	600	Mehraj TO GURUSAR RAD	8-12	AB CONTRACTOR
67	SIDHANA, SELBRAH	Jaspreet bahia, Village Mehraj Patti Saul, Block Phul, Mobile No.7696077663	780	Mehraj TO GURUSAR RAD	6-10	AB CONTRACTOR
68	Mehraj Patti Karam Chand	LOVEPREET SINGH, Village Mehraj Patti Karam Chand, Block Phul, Mobile No.8146083408	800	Mehraj TO GURUSAR RAD	8-12	AB CONTRACTOR
69	Out of district	Bairaj Singh, Village Gumti Kalan, Block Phul, Mobile No.9877037000	NA	NA	NA	NA
70	Kothi Malluana Mehraj	Angrej Singh, Village Kothi Malluana Mehraj, Block Phul, Mobile No.9855832367	850	Kotshamil	28-32	HPCL
71	Mehraj, Nathana	Gulzar Singh, Village Bhai Rupa, Block Phul, Mobile No.9023900083	500	Mehraj TO GURUSAR RAD	10-15	AB CONTRACTOR
72	Out of district	The Prabhigan Agri Self-Help Group, Village Mandi Kalan, Block Rampura, Mobile No.9465061464	NA	NA	NA	NA
73	Jhandu, ic	Singha Self Help Group, Village Jhandu Ka, Block Rampura, Mobile No.6280208104	600	HANDIAYA	28-32	LAKHI FARM

75	Out of district	Numberdar Agriculture Sway Sahayeta Gropa., Village Harkshancura, Block Rampura, Mobile No.9877947014	NA	NA	NA	NA
76	GANGA, NATHANA, Balloh	GURJANT SINGH, Village Balloh, Block Rampura, Mobile No.9501712477	600	BAGHTA	22-27	AB CONTRACTOR
77	Rampura, JEOND	NIRMAL SINGH DHILLON, Village Rampura, Block Rampura, Mobile No.9417542766	700	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
78	Jethuke	Jaspal singh, Village Jethuke, Block Rampura, Mobile No.9501129620	735	HANDIAYA	28-32	LAKHI FARM
79	Rampura, Pitro	Sandeep Singh, Village Pitro, Block Rampura, Mobile No.8591268088	500	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
80	Rampura, Jeond	VIRPAL KAUR, Village Jeond, Block Rampura, Mobile No.9876000253	500	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
81	Rampura	RANDHIR SINGH, Village Rampura, Block Rampura, Mobile No.9465965000	700	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
82	Rampura, BALLOH	Rajdeep Singh Bawa, Village Rampura, Block Rampura, Mobile No.8146765000	760	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
83	Rampura	RUPINDER KAUR DHILLON, Village Rampura, Block Rampura, Mobile No.9216109266	760	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
84	Gill Khurd	SUKHRAJ SINGH, Village Gill Khurd, Block Rampura, Mobile No.9780200276	600	RAMNAGAR	13-17	BCL
85	Out of district	Jaswant Singh, Village Karanwala, Block Rampura, Mobile No.9780100015	NA	NA	NA	NA
	Dikh, RAI KHANA	Nachatar Singh, Village Dikh, Block Rampura, Mobile No.9417285818	700	RAMNAGAR, KOT FATTA	10-15	BCL

86	Rampura, Dhudde	Mewa Singh, Village Dhudde, Block Rampura, Mobile No.9369514615	500	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
87	Balianwali	Amandeep Singh, Village Balianwali, Block Rampura, Mobile No.9876720664	900	LEHRA MUHOBAT (POWER PLANT)	18-22	LEHRA MUHOBAT (POWER PLANT)
88	Bhodipura	Joginder Singh, Village Bhodipura, Block Rampura, Mobile No.9464571147	500	Mehraj TO GURUSAR RAD	14-18	AB CONTRACTOR
89	JASSI, Nandgarh	Jasdeep Singh, Village Nandgarh, Block Sangat, Mobile No.981581298	700	GHUDDA	5-10	BCL/ PUSAV Biofuels
90	BAGHU, NARJANA, ATAR SINGH WALA, Rai Ke Khurad	Amritpal Singh, Village Rai Ke Khurad, Block Sangat, Mobile No.6280790049	2000	GHUDDA, SANGAT	12-20	BCL/ PUSAV Biofuels
91	Loolbal, Behadurgarh Jandian	GAGANDEEP SINGH, Village Loolbal, Block Sangat, Mobile No.9872166983	750	Kotshamir, KAL JHARAMI	20-35	HPCL, SUKHIR, AGRO
92	Kotguru, KOTSHAMIR, MAHWALA	Darshan Singh, Village Kotguru, Block Sangat, Mobile No.9855387589	520	Kotshamir	22-27	HPCL
93	Gurusar Sainiwalwa	GURIBAL SINGH, Village Gurusar Sainiwalwa, Block Sangat, Mobile No.9478097900	800	SANGAT	18-22	BCL/ PUSAV Biofuels
94	KAL, JHARAMI, Ghudda	MANINDER SINGH, Village Ghudda, Block Sangat, Mobile No.9781346090	750	GHUDDA	13-17	BCL/ PUSAV Biofuels
95	Kotguru	MIRMAL SINGH, Village Kotguru, Block Sangat, Mobile No.9417161603	800	SANGAT	20-24	BCL/ PUSAV Biofuels
96	Pakka Kalan	Jora Singh, Village Pakka Kalan, Block Sangat, Mobile No.9464537511	800	SANGAT	23-27	BCL/ PUSAV Biofuels
97	Phullo Mithi	GORA SINGH, Village Phullo Mithi, Block Sangat, Mobile No.9465187423	700	SANGAT	13-17	BCL/ PUSAV Biofuels
98	GUDDHA, Bambina	JASWINDER SINGH, Village Bambina, Block Sangat, Mobile No.6284639707	750	GHUDDA	10-15	BCL/ PUSAV Biofuels

BAMBIHA	GURCHAL SINGH, Village Bambiha, Block Sangat, Mobile No.8360250007	800	GHUDDA	12-17	BCL/ PUSAV Biofuels
Jai Singh Wala	JAGJIT SINGH, Village Jai Singh Wala, Block Sangat, Mobile No.9888628020	740	BATHINDA (RING ROAD)	10-15	SUKHBIR AGRO
Rai Ke Kalan	Harwinder Kaur, Village Rai Ke Kalan, Block Sangat, Mobile No.9815037363	600	GHUDDA	15-20	BCL/ PUSAV Biofuels
JAI SINGH WALA, NARUANA	GURJEET SINGH, Village Jai Singh Wala, Block Sangat, Mobile No.9463933947	600	BATHINDA	12-17	SUKHBIR AGRO
JAI SINGH WALA	RANJIT SINGH, Village Jai Singh Wala, Block Sangat, Mobile No.9478167389	800	JEDIA, RUPNA	35-45	JEDIA, SATIYA PAPER MILL
Jai Singh Wala, JODHPUR ROMANA	BALVIR SINGH, Village Jai Singh Wala, Block Sangat, Mobile No.9417666862	700	KOTSHAMIR	22-27	HPCL, SUKHBIR AGRO
GHARI BUTTER, Jai Singh Wala	JAGSEER SINGH MAAN, Village Jai Singh Wala, Block Sangat, Mobile No.9779800057	780	KOTSHAMIR	22-27	HPCL
Rai Ke Khurd	HARWINDER KAUR, Village Rai Ke Khurd Urf Chakdama, Block Sangat, Mobile No.7087696451	500	Sangat	20-25	BCL/ PUSAV Biofuels
JAI SINGH WALA, NARUANA	GURPREET SINGH, Village Jai Singh Wala, Block Sangat, Mobile No.9463666602	800	KOTSHAMIR	22-27	HPCL
Bajak JUMBA	Darshan Singh, Village Bajak, Block Sangat, Mobile No.9464597541	750	GHUDDA	18-22	BCL/ PUSAV Biofuels
BAMBIHA	GURPREET SINGH, Village Bambiha, Block Sangat, Mobile No.9783318710	800	GHUDDA	13-17	BCL/ PUSAV Biofuels
BAJAK	NAHAR SINGH, Village Bambiha, Block Sangat, Mobile No.7380170257	700	GHUDDA	18-22	BCL/ PUSAV Biofuels
JUMBIHA	GURJEET SINGH, Village Bambiha, Block Sangat, Mobile No.9872470664	700	GHUDDA	20-25	BCL/ PUSAV Biofuels

Sangat

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Member Secretary
Pollution Control Board

KAL JHARANI	MANDEEP KAUR, Village Bamba, Block Sangat, Mobile No.9877317150	750	GHUDDA	8-10	BCL/ PUSAV Biofuels
GHUDDA	GURSEWAK SINGH, Village Bamba, Block Sangat, Mobile No.6180069117	900	GHUDDA	5-7	BCL/ PUSAV Biofuels
Machhana	NIRMAL SINGH, Village Machhana, Block Sangat, Mobile No.9465256622	800	SANGAT	12-17	BCL/ PUSAV Biofuels
Faridkot Kotli	GURDAS SINGH, Village Faridkot Kotli, Block Sangat, Mobile No.9501195083	700	SANGAT	8-12	BCL/ PUSAV Biofuels
Ghudda	MAJOR SINGH, Village Ghudda, Block Sangat, Mobile No.9464021879	800	SANGAT	4-6	BCL/ PUSAV Biofuels
Kothi Guru, JASSI BAG WALI	BASANT SINGH, Village Kotcha Guru, Block Sangat, Mobile No.9781772812	700	SANGAT	8-12	BCL/ PUSAV Biofuels
Kothi Guru, MAHOLA	Angrej Singh, Village Kot Guru, Block Sangat, Mobile No.9478097906	750	SANGAT	8-12	BCL/ PUSAV Biofuels
MEHTA, Malwala	JASWINDER SINGH, Village Malwala, Block Sangat, Mobile No.9463936154	700	SANGAT	15-20	BCL/ PUSAV Biofuels
PAKKA KALAN, PAKKA KHURD	AMANDEEP KAUR, Village Malwala, Block Sangat, Mobile No.6283573896	690	SANGAT	10-15	BCL/ PUSAV Biofuels
CHAK HEERA SINGH WALA	JAGTAR SINGH, Village Malwala, Block Sangat, Mobile No.9463637162	760	SANGAT	10-15	BCL/ PUSAV Biofuels
MALWALA	UDHAM SINGH, Village Malwala, Block Sangat, Mobile No.9417094954	800	SANGAT	15-20	BCL/ PUSAV Biofuels
MALWALA	JAGVEER SINGH AGRI SELF HELP GROUP, Village Malwala, Block Sangat, Mobile No.9478672594	800	SANGAT	15-20	BCL/ PUSAV Biofuels
Chak Hira Singh Wala	JOGINDER PAL SINGH, Village Chak Hira Singh Wala, Block Sangat, Mobile No.9463644300	690	Sangat	12-17	BCL/ PUSAV Biofuels

128		Dunewala	LAKHYR SINGH, Village Dunewala, Block Sangat, Mobile No.7814888086	700	SANGAT	15-20	BCL/ PUSAV Biofuels
129		Kot Guru	Darshan Singh, Village Kot Guru, Block Sangat, Mobile No.9855367583	750	SANGAT	8-12	BCL/ PUSAV Biofuels
130		Bambha, BAJAK	Harbans Singh, Village Bambha, Block Sangat, Mobile No.9417139442	750	GHUDDA	20-25	BCL/ PUSAV Biofuels
131		Kot Guru	Jagvir Singh, Village Kot Guru, Block Sangat, Mobile No.9464500027	700	SANGAT	8-12	BCL/ PUSAV Biofuels
132		BAGHA, SUKHLADHI, RAMSARA	Gurpreet Singh, Village Ramian, Block Talwandi Sabo, Mobile No.9464663412	800	CHAK HEDRA SINGH WALA	10-15	AB CONTRACTOR
133		KOREANA, NETAHA, KALAWALA	Hardeep Singh, Village Kalawala, Block Talwandi Sabo, Mobile No.9377500004	700	Kotshamir	5-10	HPCL
134		KOREANA, NETAHA, SINGO	KARAMJEET SINGH, Village Singo, Block Talwandi Sabo, Mobile No.6283777811	800	Kotshamir	5-10	HPCL
135		Nasibpura	LAKHVEER SINGH, Village Nasibpura, Block Talwandi Sabo, Mobile No.9888214904	600	Kotshamir	20-25	HPCL
136		Kishangarh Urf Manwala	KAMALJEET SINGH, Village Kishangarh Urf Manwala, Block Talwandi Sabo, Mobile No.8054444347	700	SANGAT	27-31	BCL/ PUSAV Biofuels
137		Ramsara, Bangi	Balwinder Singh, Village Ramra, Block Talwandi Sabo, Mobile No.9698100068	500	Kotshamir	10-15	HPCL
138		Nangla	Ram Singh, Village Nangla, Block Talwandi Sabo, Mobile No.9463615766	770	SANGAT	22-27	BCL/ PUSAV Biofuels
139		Bangi	Resham Singh, Village Sangat Khurd, Block Talwandi Sabo, Mobile No.7009157944	500	Nasibpura	5-10	HPCL

Member Secretary
Punjab Pollution Control Board
Patiala.

Office of Deputy Commissioner, Faridkot

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 554/MA

Dated 05/07/2024


Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024

In regard to above, the information sought vide above reference letter, pertaining to this office is as under:-

Sr. No.	Information sought	Information related to District Faridkot																		
5	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of ballers and rakers in each district.	<p>a) For ex-situ management, there is one biomass power plant in the District namely M/s Sukhbir Agro Energy Ltd., Village Sedha Singh Wala, Tehsil Jaitu, District Faridkot and 05 number board mill units in District Faridkot. The detail of utilization capacity of the units is as under:-</p> <table border="1"> <thead> <tr> <th>Industry Category</th> <th>Name of Industry/Entity</th> <th>Quantity of paddy straw Utilized per annum (T/Annum)</th> </tr> </thead> <tbody> <tr> <td>Biomass based power projects</td> <td>M/s Sukhbir Agro Energy Limited, Faridkot</td> <td>2,20,000</td> </tr> <tr> <td rowspan="4">Others (Please specify)</td> <td>M/s Bharat Card Board & Gen. Mills, Chahal Road, Faridkot</td> <td></td> </tr> <tr> <td>M/s National Paper Board Mills, VPO Laleana, Dist. Faridkot</td> <td></td> </tr> <tr> <td>M/s Punjab Card Board Industries, Baja Khana Road, Jaitu</td> <td>3,000</td> </tr> <tr> <td>M/s Amar Industries, Bir Sikhian Wala Road, Kotkapura,</td> <td></td> </tr> <tr> <td></td> <td>M/s Racha Industries, Kotkapura road, Faridkot</td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> Total 2,23,000 Tonn paddy straw has been utilized by these units from 41,216 hectares paddy area. These units have their own machinery for removal of straw from the fields as well as own arrangements for transportation to the storage area. As per detail submitted by the units, for utilization of paddy straw about 200 ballers and rakers are used for collection of paddy straw. These units has stored paddy straw in an area of about 125 acres. 	Industry Category	Name of Industry/Entity	Quantity of paddy straw Utilized per annum (T/Annum)	Biomass based power projects	M/s Sukhbir Agro Energy Limited, Faridkot	2,20,000	Others (Please specify)	M/s Bharat Card Board & Gen. Mills, Chahal Road, Faridkot		M/s National Paper Board Mills, VPO Laleana, Dist. Faridkot		M/s Punjab Card Board Industries, Baja Khana Road, Jaitu	3,000	M/s Amar Industries, Bir Sikhian Wala Road, Kotkapura,			M/s Racha Industries, Kotkapura road, Faridkot	
Industry Category	Name of Industry/Entity	Quantity of paddy straw Utilized per annum (T/Annum)																		
Biomass based power projects	M/s Sukhbir Agro Energy Limited, Faridkot	2,20,000																		
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	M/s Punjab Card Board Industries, Baja Khana Road, Jaitu	3,000																		
	M/s Amar Industries, Bir Sikhian Wala Road, Kotkapura,																			
	M/s Racha Industries, Kotkapura road, Faridkot																			

This is for your kind information.


Additional Deputy Commissioner (G),
Faridkot


Member Secretary
Punjab Pollution Control Board
Patiala.

ਪੇਡੀ ਸਟਰਾਅ (ਭੋਨੇ ਦੀ ਪਰਾਲੀ) ਨੂੰ ਸਟੋਰ ਕਰਨ ਲਈ ਪਿੰਡਾਂ ਦੀਆਂ ਸ਼ਾਮਲਾਤ ਜਮੀਨਾਂ ਦੀ ਸਨਾਖਤ ਕਰਨ ਸਬੰਧੀ ਰਿਪੋਰਟ

ਜ਼ਿਲ੍ਹਾ ਲੁਧਿਆਣਾ

ਅਗਸਤ-2023

ਲੜੀ ਨੰ:	ਖ਼ਲਾਕ ਦਾ ਨਾਮ	ਗ਼ਰਾਮ ਪੰਚਾਇਤ ਦਾ ਨਾਮ	ਚਕਾ (ਏ-ਕ-1)	ਵਿੱਸਾ ਕਮਨ
1	ਲੁਧਿਆਣਾ-1	ਹੰਬੜਾ	1-0-0	
2	ਲੁਧਿਆਣਾ-1	ਲਾਡਵਾਲ	0-6-0	
3	ਲੁਧਿਆਣਾ-2	ਥਲੇਵਾਲ	6-0-0	
4	ਲੁਧਿਆਣਾ-2	ਮਿਆਣੀ	3-0-0	
5	ਜਗਚਾਓ	ਗਾਲਿਕ ਕਲਾਂ	1-0-0	
6	ਸਿੰਧਵਾਂ ਭੇਟ	ਧੋਬਤ	4-0-0	
7	ਸਿੰਧਵਾਂ ਭੇਟ	ਕੁੰਦੜੀ	2-0-0	
8	ਸਿੰਧਵਾਂ ਭੇਟ	ਭੈਣੀ ਅਰਾਣੀਆਂ	5-0-0	
9	ਸਿੰਧਵਾਂ ਭੇਟ	ਕੋਰਸੀਆਂ	10-0-0	
10	ਸਿੰਧਵਾਂ ਭੇਟ	ਆਲੀਵਾਲ	4-0-0	
11	ਸਿੰਧਵਾਂ ਭੇਟ	ਪੁਡੇਣ	2-0-0	
12	ਖੰਨਾ	ਘਗਰਾਲੀ ਰਾਜਪੂਤਾਂ	4-3-0	
13	ਖੰਨਾ	ਨਰਾਇਣਗੜ੍ਹ	10-0-0	
14	ਖੰਨਾ	ਰਾਮੇਵਾਲ	2-0-0	ਭੋਨੇ ਦੇ ਕੱਲ
15	ਖੰਨਾ	ਮੰਤਿਆਲਾ	2-0-0	ਚੌਕੀ ਦੇ ਨਾਲ
16	ਸੁਧਾਰ	ਹਲਵਾਰਾ	6-0-0	
17	ਰਾਏਕੋਟ	ਭੈਣੀ ਬਤੌਕਾਂ	25-0-0	
18	ਰਾਏਕੋਟ	ਜਲਾਲਦੀਵਾਲ	8-0-0	
19	ਰਾਏਕੋਟ	ਜੀਲੋਆਣੀ	5-0-0	
20	ਰਾਏਕੋਟ	ਤਲਵੰਡੀ ਰਾਏ	8-0-0	
21	ਰਾਏਕੋਟ	ਬੁਕਾਜ ਹਰੀ ਸਿੰਘ	8-0-0	
22	ਰਾਏਕੋਟ	ਭਾਜਪੁਰ	1-0-0	
23	ਰਾਏਕੋਟ	ਜੰਟਪੁਰਾ	0-3-0	
24	ਮਲੋਚ	ਮਦਨੀਪੁਰ	3-0-0	
25	ਦੇਰਾਹਾ	ਭਾਮਪੁਰ	2-0-0	
26	ਦੇਰਾਹਾ	ਸੁਲਤਾਨਪੁਰ	6-0-0	
27	ਦੇਰਾਹਾ	ਹੱਲ	3-0-0	
28	ਦੇਰਾਹਾ	ਕੋਟਲਾ ਅਟਰਾਨਾ	4-0-0	
29	ਦੇਰਾਹਾ	ਚੰਦੀ	4-0-0	
30	ਦੇਰਾਹਾ	ਜਰਗ	3-0-0	
31	ਦੇਰਾਹਾ	ਅਤੋਚਾ	3-0-0	
32	ਦੇਰਾਹਾ	ਅਲੂਣਾ ਮਿਆਨਾ	3-0-0	
33	ਦੇਰਾਹਾ	ਰਾਜਗੜ੍ਹ	2-0-0	
			151-4-0	

Member Secretary
Punjab Pollution Control Board
Patiala.

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CamScanner

To

Dated:

The Member Secretary

Punjab Pollution Control Board,

Patiala

Letter No: 379

Dated 05/07/2024

Subject: Compliance of the orders dated 03.04.2024 passed by hon'ble National Green Tribunal in original application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office Letter No: 16803-06 dated 04.07.2024

Sir/Madam


With reference to the subject cited above the required report on agenda no.05 related to Deputy Commissioner Fatehgarh Sahib is as below:

Report on Agenda no. 5:

Agenda No.5: Detailed Report regarding the transportation and logistics of paddy straw from the fields to different units for Ex-Situ Management in the respective districts along with the availability of Balers and Rakers in district Fatehgarh Sahib.

Submission: In District Fatehgarh Sahib for paddy harvesting season 2024 about 5.5 lakh ton of paddy straw will be generated from an area of about 87400 Ha, out of which 3.16 Lakh Ton of paddy straw is projected to be managed through Ex-Situ management. There are about 05 fuel based and 01 CBG industries in the district that have tie ups with about 160 baler aggregators for bailing the straw and transporting it to different units. Further, about 11 dumps sites for storage of paddy straw with estimated storage capacity of 150 acres of land where the collected straw will be stored for the use of industry. The details of straw based industries are attached below as Annexure A and B.


Member Secretary
Punjab Pollution Control Board
Patiala.


Additional Deputy Commissioner (G)
Fatehgarh Sahib.

Annex-A

Plan for Ex-Situ Management of Paddy Straw in 2024

Details of industries using Paddy Straw based on 11/11/23 approved plans

Name of the District	FATTEGARH JALANDHAR
Total Paddy Generation (in thousands tonnes)	851.80
Total quantity of paddy straw identified for ex-situ utilization (in thousands tonnes)	118.00

Industrial Category	Paddy Straw Utilization	Quantity of paddy straw required per annum (in thousand tonnes)	Total number of industries in district	Number of operational industries in 2023	Number of upcoming industries in 2024
1. CNG Plants	None	11	1	1	0
2. Biomass based power projects	None	118	118	118	118
3. Working in ceramic, refractory, brick, etc.	None	118	118	118	118
4. Fuel based industries - Bolen & Furnaces	Furn	284.08	505	505	118
5. Brick kilns	None	118	118	118	118
6. Packaging and furniture makers	None	118	118	118	118
7. Others (Please specify)	None	118	118	118	118

Details of the Industries

Industry Category	Name of Industry/Unit	Quantity of paddy straw required per annum (in thousand tonnes)	Status
1. CNG Plant	CITIEE INNOVATIVE BIOFUELS PVT LTD	11	Operational
2. Fuel based industries - Furnaces	SHREE GANESH COBLES PVT LTD	128	Operational
3. Fuel based industries - Furnaces	SHRI RUPA PANELS PVT LTD	44	Operational
4. Fuel based industries - Furnaces	THINDAS OIL MILLS PVT LTD	10	Operational
5. Fuel based industries - Furnaces	SAHJAY OILS & FATS	12	Operational
6. Fuel based industries - Bolen	SAEL LTD	120	Operational
7. Total		516	

Member Secretary
Punjab Pollution Control Board
Patiala



OFFICE OF THE DEPUTY COMMISSIONER, FAZILKA
ਜਿਲ੍ਹਾ ਪ੍ਰਬੰਧਕੀ ਕੰਪਲੈਕਸ, ਫਾਜ਼ਿਲਕਾ।

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No.:- P.P.C.B./9739

Date:- 8/1/2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04-07-2024

In regard to above, the information sought vide above reference letter pertaining to this office is as under:-

Sr. No.	Information and data required	Reply
4	a) Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management along with details regarding the quantity of paddy straw to be used in each industrial unit.	<p>a) There is one biomass power plant in the District namely M/s Dee Development Engineer (P) Ltd., Vill. Gadha Dhab, Abohar Block, Distt. Fazilka (utilization capacity of paddy straw @ 70,000 TPA).</p> <p>Another unit M/s Sampuran Agri Venture Limited, Village Paincha Wali, Tehsil & Distt. Fazilka (utilization capacity of paddy straw @ 15,000 TPA) power generation unit. The Industries have its own machinery for removal of straw from the fields and transportation as well as storage area. Further, there are 04 number board mill and 02 no. pelletization plants (utilization capacity of paddy straw @ 35,000 TPA) and they have made arrangements at their own for collection & storage of paddy straw.</p> <p>M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, District Ferozepur is procuring paddy straw @ 30,000 TPA from the District Fazilka.</p>
	b) Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023.	<p>b) There is no unit which is engaged in usage of paddy straw as fuel in their boiler. Further, meetings were held with Dairy units and Industrial Association for utilization of paddy</p>

Member Secretary
Punjab Pollution Control Board

	<p>c) Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.</p>	<p>straw in their boilers.</p> <p>c) The brick kilns are being checked on regular basis w.r.t. mandatorily usage of at least 20% of paddy straw pellets as fuel.</p>
5	<p>Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of bailers and rakes in each district.</p>	<p>There are 05 no. paddy straw storage industrial units in the district at Village Gadha Dhab, Paincha Wali, Jalalabad, Karni Khara and Ghallu.</p> <p>Further, there are 05 numbers aggregator of paddy straw in the District, as under:-</p> <ol style="list-style-type: none"> 1. M/s Dee Development Engineer (P) Ltd. 2. M/s Sampuran Agri Venture Limited 3. M/s Sukhbir Agro Energy Limited 4. Naresh Kumar, Village Bareka, Tehsil & Distt. Fazilka. 5. Sandeep Nagpal, Village Kikarwala Rupa, Tehsil & Distt. Fazilka. <p>67 Number of bailer & rakes are in the district for ex-situ management of paddy straw. In Fazilka total cultivable area is 248000 Ha. During last year area under horticulture 38000 Ha, area under other crops 22000 ha, area under paddy 100000 Ha (70000 Ha basmati and 30000 Ha paddy), area under cotton crop was 92000 Ha. Last year due to loss in cotton crop now farmers shifted to paddy, moong & other crops. That's why more CRM machines (In addition to already available 5954 CRM machines) are needed to tackle this problem. During this year 1307 applications applied under CRM scheme.</p> <p>There are 26 gaushalas in district Fazilka & nearby gaushalas of Rajasthan where 25000 tonnes basmati straw will be used as fodder purpose but for making straw bales to supply gaushala department has no availability of bailer+rake & tractor-trolley. So kindly provide funds for the gaushala to purchase & transportation cost of 15 bailer+rake & 30 tractor-trolley.</p>


 Deputy Commissioner,
 Fazilka


 Member Secretary
 Punjab Pollution Control Board
 Patiala.

Office of Deputy Commissioner, Ferozepur

To
The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 2794 / 21.11.21.21.21, Dated 05/07/2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024

In regard to above, the Information sought vide above reference letter, pertaining to this office is as under:-

Sr. No.	Information sought	Information related to District Ferozepur						
4	<p>a) Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management alongwith details regarding the quantity of paddy straw to be used in each industrial unit.</p> <p>b) Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023.</p> <p>c) Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.</p>	<p>a) There is one biomass power plant in the District namely M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, District Ferozepur (utilization capacity of paddy straw @ 2,25,000 TPA). The industry has its own machinery for removal of straw from the fields and transportation as well as storage area. There are six number board mill units (utilization capacity of paddy straw @ 21,000 TPA) and they have made arrangements at their own for collection & storage of paddy straw.</p> <p>b) There is no unit which is engaged in usage of paddy straw as fuel in their boiler. Further, meeting was held on 24.04.2024 with the District Administration and Industrial Association for utilization of paddy straw in the industrial boilers.</p> <p>c) The brick kilns are being checked on regular basis w.r.t. mandatory usage of atleast 20% of paddy straw pellets as fuel.</p>						
5	<p>Detailed report regarding the transportation and logistics of paddy straw from the field/storage sites to different units for ex-situ management in the respective districts along with the availability of trucks and rickers in each district.</p>	<p>1. For ex-situ management, there is one biomass power plant in the District namely M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, Tehsil & District Ferozepur and 06 number board mill units in District Ferozepur. The detail of utilization capacity of the units is as under:-</p> <table border="1" data-bbox="699 1912 1310 2136"> <thead> <tr> <th>Industry Category</th> <th>Name of Industry/Entity</th> <th>*Quantity of paddy straw required per annum (T/Annun)</th> </tr> </thead> <tbody> <tr> <td>Biomass based power projects</td> <td>M/s Sukhbir Agro Energy Limited, Hakumat Singh Wala (SAEL)</td> <td>2,25,000</td> </tr> </tbody> </table>	Industry Category	Name of Industry/Entity	*Quantity of paddy straw required per annum (T/Annun)	Biomass based power projects	M/s Sukhbir Agro Energy Limited, Hakumat Singh Wala (SAEL)	2,25,000
Industry Category	Name of Industry/Entity	*Quantity of paddy straw required per annum (T/Annun)						
Biomass based power projects	M/s Sukhbir Agro Energy Limited, Hakumat Singh Wala (SAEL)	2,25,000						

Member Secretary
Punjab Pollution Control Board
Patiala.

		Board Mills	<ol style="list-style-type: none"> 1. M/s Ravi Card Board Mills, Village Wazidpur, Tehsil & District Ferozepur 2. M/s Supreme Card Board, Village Bhukhan Khan Wala 3. M/s Baba Fard Card Board Mill, Kande Road, Ferozepur 4. M/s Nagra Card Board Mill, Rajhat Road, Ferozepur City. 5. M/s Punjab Card Board Industries, Village Kulgarhi, District Ferozepur 6. M/s M.V. Agro Industries, Muktar Road, Guru Har Sahai 	21,000
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2. There are 57 balers and rakers operating in the district which are given on subsidy to the farmers. Apart from these 57 balers and rakers, 16 big balers (having capacity of 100-125 acres per day) which are linked to SAEL also operates in the District for Ex-situ management of paddy straw.

3. In FY 2023-24, SAEL made 8 storage dumps in different villages of the District for storage of paddy straw namely:

- a. Kalliyeh Wala
- b. Ferozeshah
- c. Maheshwari
- d. Markhal
- e. Hakumat Singh Wala yard B
- f. Hakumat Singh Wala yard C
- g. Kari Kalan
- h. Talwandi Nepalai

4. After making of bales by balers, the bales were then transported from farmer's field to these storage dumps with help of tractor operated carriers owned/arranged by the balers owners.

These units have their own machinery for removal of straw from the fields and arrangements for transportation to the storage area. As per detail submitted by the units, for utilization of paddy straw about 70 balers and rakers are used for collection of paddy straw.

This is for your kind information.


 Deputy Commissioner,
 Ferozepur


 Member Secretary
 Punjab Pollution Control Board
 Patiala.

40148-

ਦਫਤਰ ਵਪੀਕ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ (ਜ), ਗੁਰਦਾਸਪੁਰ

Office of the Additional Deputy Commissioner (G), Gurdaspur

No 8967

Date: 03.11.2024

To

The Member Secretary,
Punjab Pollution Control Board,
Nabha Road, Patiala.

Sub:-

Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

In reference to the subject cited matter, the details of the information for District Gurdaspur are mentioned below:

- 1) **Information and data required:** Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakes in each district.

Reply of District Gurdaspur: In Gurdaspur there is 170 lakh Hatotal area estimated under paddy in year 2024. For this In-situ management, ex-situ management and fodder (for animals) three proposals have been proposed for managing paddy stubble in the District.

Area proposed to manage with different methods.

a) **FOR In-SITU MANAGEMENT:**

Area = 1 LAKH Ha

The details of the machinery available of In-situ management is under:

- i) HAPPY SEEDER 426
- ii) SUPPERSEEDER 368
- iii) ZERO TILL DRILL 455
- iv) SURFACE SEEDER 29
- v) SMART SEEDER 2
- vi) MULCHERN 89

TOTAL INSITU MACHINES AVAILIABLE = 4687(List attached as Annexure A)

b) **FOR EX-SITU MANAGEMENT:**

Area = 40 THOUSAND Ha

The details of the machinery available of ex-situ management is under:

- i) RAKE= 78
- ii) BALERS = 81
- iii) ROTORY SLESHER = 51

TOTAL = 210 ex-situ machinery(List attached as Annexure B)

Further for removal and transportation of Paddy stubble from fields will be done with use of trollies available with baler owners which is nearly 250.

The storage of paddy stubble before supply to end use units for ex-situ management same will be stored in 32dump yardsestablished in different blocks (List attached as Annexure C)

c) **FOR FODDER:**

Area = 30 THOUSAND Ha

DA/As above.

Member Secretary
Punjab Pollution Control Board
Patiala.

Additional Deputy Commissioner (G),
Gurdaspur

ANNEXURE-J

Name of District : Gurdaspur

Details of Public Storage Facilities			Details of Private Aggregators with infrastructure for loading of straw		Polluting units in the districts including adjoining units		Discharging units in the districts including adjoining units	
Location	Dump Yard Location	Storage capacity (thousand tonnes)	Name of Aggregator	Storage capacity (thousand tonnes)	Location	Storage capacity (thousand tonnes)	Location	Storage capacity (thousand tonnes)
Civil Rajgurunagar	Groha	11					na	na
	VDP Bazar	6						
	Shri Harjinder Lal Lal Chak	10						
	Lalwala (Subhawal)	7						
	Nadhya	1						
Akhwari	Wadhwa	1						
	Chakri	1						
	Langaroti	2.3						
	Sakral	1						
	Kala Dala	4						
Rajgurunagar Circuit	Gajpura on road	0.05						
	Gujwara Village	0.05						
	Tawandi Bazar (west)	0.00						
	Tawandi Bazar (west)	0.00						
	GR total	0.05						
Dara Fala Bazar	Wadhwa	0.15						
	Udawal Bazar	0.15						
Gedan	Dalla Nadi	1						
	Darya Bazar	0.4						
	Goat	1.15						
Gurdaspur	M. Landon	6						
	Bhangwan	0.3						
	Chowar Gidde	0.2						
	Jodhi	2						
	Mehandi	1.1						
Gurdaspur	Chhameshwar Singh Mastur	0.1	Fuels Bk Fuel, Gurdaspur	5	M/s NARBADA AGRO, VILLAGE WARRAHPUR, P.O. PATIAL, TOWN, GURDASPUR	0.5		
	Darinder Singh Kotal	1	Sandhu Bk Fuel, Gurdaspur	5	M/s The Le Gas Fuel, Village Mann, Tehsil & District Gurdaspur, Jalandhar	10		
	Atar Singh	1	SK Chaman Da Fuel, Gurdaspur.	3	M/s Sarda Bhagat Singh Bk Fuel, Village Mann, Tehsil & District Gurdaspur, Jalandhar	10		
	Rana Sugar Mill	1	Sustainable Resources Pvt. Ltd. Dera Baba, Sudhapat.	3	M/s Sandhu Bk Fuel, Village Mann, Tehsil & District Gurdaspur Jalandhar	10		
Chuhar	meowhara muga singh	100						
Harala	Harwal	1						
Total		222.12		15		105.5	-	-

(Signature)
Gurdaspur 08/01/2015

(Signature)
**Member Secretary
Punjab Pollution Control Board
Patiala.**

PLAN FOR EX-SITU MANAGEMENT OF PADDY STRAW IN 2024					
DETAILS OF INDUSTRIES USING PADDY STRAW BASED BIOMASS AS FUEL/FEED STOCK					
Name of the District:			Gurdaspur		
Total Paddy Generation (in thousand tonnes):			1030		
Total quantity of paddy straw identified for ex-situ utilization (in thousand tonnes):					
Industrial category	Name of Industry /Entity	Paddy straw utilization in the Biomass (whether Partial/ Full)	Quantity of Paddy Straw required per annum	Status of the unit Operational/Upcoming	
CNG plants	MEPL Bio Energy LLP, CNG Plant at Bahadurpur, Batala	Yet to commissioned and the proposal for full utilization	8	Upcoming	
Biomass based power projects	NIL	NIL	NIL	NIL	
Co-firing in Identified TPPs / captive TPPs	NIL	NIL	NIL	NIL	
Fuel based Industries (Boilers / Furnaces)	VRV Hospitality Pvt. Ltd., Village-Chak Alia, Tehsil & District-Gurdaspur (30000) Chaatha Sugar Mill, Village-Kiri Aigana, Tehsil-Batala, District-Gurdaspur (5000) Komal Straw Board Mill, Village-Hayat Nagar, Tehsil & District-Gurdaspur (5000)	Partial	40	Operational	
Brick kilns	148 no. Brick Kilns in District Gurdaspur and List Attached as Annexure-A	Partial	23	5 Thousand tonn are being used. Rest are under pursuance	
Packaging and furniture related Industries	NIL	NIL	NIL	NIL	
Others (please specify)	NIL	NIL	NIL	NIL	

Additional Deputy Commissioner(G),
Gurdaspur D.S. P.S. 9

Member Secretary
Punjab Pollution Control
Board
Ludhiana

ਦਫ਼ਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਹੁਸ਼ਿਆਰਪੁਰ

Office of the Deputy Commissioner, Hoshiarpur

Office Contact No. 01882-220301
Residence Contact No. 01882-220302
01882-220303

Email id: hoshiarpurdc@gmail.com

To,

Member Secretary,
Punjab Pollution Control Board,
Chandigarh.

No. 349/CAO Dated 08.07.2024

Subject:- Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in original Application No. 632 of 2023 in Re: News item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref:- Your office letter no. 16803-06 dated 04.07.2024.

With reference to the subject cited above, the information in regard to Serial number 5 i.e. "Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in respective Districts alongwith availability of balers and rakers in each district" is as follow-

During year 2024, an area of 79,000 hectares is estimated in District Hoshiarpur under Paddy (including area under Basmati i.e. 2500 hectares) which will generate a total of 5.10 lakh MT of paddy straw. A total of 1.349 Lakh MT of paddy straw is estimated to be consumed by various industrial units under ex-situ management. The various units which will consume the paddy straw during year 2024 and their expected consumption are detailed below:

Industrial Category	Name of Industry/Entity	Paddy Straw utilization (whether partial/full)	Estimated quantity of paddy straw to be utilized	Status of the unit (whether operational or upcoming)
Biomass based power projects	M/s Green Planet Energy Pvt. Ltd. Village Binjon Dist. Hoshiarpur	Full	30000 MT	Operational


Member Secretary
Punjab Pollution Control Board
Patiala.

Co-firing in identified TPPs/ Captive TPPs	Eeco urja ventures Village Mehangrowal, Hoshiarpur	80% Paddy Straw	15000 MT	Operational
Fuel based Industries (Boilers/Furnaces)	1. Synergy Ethyl Pvt. Ltd.	Full	18000 MT	Operational
	2. AB Sugar Ltd. Dasuya	Partial	500 MT	Operational
Pecking and Furniture related industries	1. Notey Board Mills, Dhadha Kalan, Teh Garhshankar	Partial	1000 MT	Operational
	2. Shakti Paper & Board Mill Village Rehla, Teh Garhshankar	Partial	400 MT	Operational
CBG Plants	Reliance chemicals and materials Ltd. Village Baroti, Distt. Hoshiarpur.	Full	10000 MT	Upcoming project not operational till now.

Apart from above industries, M/s Modules Cosmetic Pvt. Ltd., Village Gondpur, District Una and Premier Alcobev Pvt. Ltd., Sansarpur, District Kangra, also consumes the paddy straw from District Hoshiarpur (Estimated consumption of around 60000 MT).

The block wise availability of subsidized balers and rakes with the farmers in the District Hoshiarpur is mentioned below:-

Name of the Block	Number of Balers available with farmers till Year 2023-24	Number of Rakes available with farmers till Year 2023-24
Garhshankar	8	8
Mehilpur	16	16
Hoshiarpur-2	1	1
Hoshiarpur-1	6	6
Tanda	6	6
Bhanga	5	5
Dasuya	4	4
Hajipur	0	0
Talwara	0	0
Mukerian	1	1
Grand Total	47	47

The transportation of bales from the fields to the storage sites will be undertaken by the owner of the baler/rake as they have their own transport. The Sub Divisional Magistrates will address and resolve any constraint related to the transport of

the aggregated paddy straw in their respective Sub Divisions. The Aggregators of the industries who will consume the paddy straw will be utilizing these bales from the storage sites as and when required. Mapping of the aggregators and industries will be done well before the commencement of harvesting of paddy. Prior meetings will be held with the aggregators and various industries consuming paddy straw to address any issue/problem which they may face during the harvesting season Year 2024.

This is for your kind information please.


Deputy Commissioner
Hoshiarpur.


Member Secretary
Punjab Pollution Control Board
Patiala.

Gmail

de hoshurpur <hoshurpurd@gmail.com>

Compliance of the orders dated 03-04-2024 passed by Hon'ble National Green Tribunal in original Application No. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 08-10-2023.

1 message

de hoshurpur <hoshurpurd@gmail.com>
to: ipsh.stubbleburninginfo@gmail.com

Mon, Jul 8, 2024 at 1:08 PM

PEA

-1 Compliance of the orders dated 03-04-2024, 07-08-2024 13-03-23.pdf
1020k


Member Secretary
Punjab Pollution Control Board
Patiala.

Office of Additional Deputy Commissioner (RD)
Jalandhar

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

Letter No. 361 Dated:- 8/7/2024

Subject:- Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref:- Your office letter no. 15803-06 dated 04.07.2024.

In regard to above, the following information was sought:-

4.	All Deputy Commissioners of the State	Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and Rakers in each district.
----	---------------------------------------	--

The information pertaining to District Jalandhar related to point no. 04 is reproduced as under:-

1. Availability of Balers and Rakers in the District:-

District Jalandhar has provided 139 balers/rakes to the farmers on subsidy under Crop Residue management Scheme till date (List attached in Annexure -1). It is being mentioned that a total demand of 100 more baler sets was assessed and was submitted in the action plan. However a target of only 35 such sets is received by the district under CRM scheme for the year 2024.

Similarly the plan for In-situ management of Paddy Straw in 2024 along with village wise mapping of available machines was prepared and a demand of such 2425 more machines was assessed (Action plan attached Annexure-2). However target of 556 for such machines is received. So total demand is 2525. The detail comparison of target for 2024 w.r.t demand of District Jalandhar is as under:-

Sr. No.	Demand	Target
Ex-situ Machinery (baler-rake set)	100	35
In-situ machinery	2425	556

2. Number of units consuming paddy straw:-

Detail of units consuming paddy straw in the district is enclosed herewith as Annexure-3. The total quantity paddy straw identified for Ex-situ utilization (In Thousand Tones) is 304.23 MT.

3. Number of points where paddy straw be stored:-

Panchayat Land of 70 Acre for storage of Paddy straw was demanded by Sandhu Biofuel for Palletisation plant and by 25 Acre by Shri Ganesh Biofuel for Bhogpur Sugarmill Co-generation plant in District and same was discussed by Deputy Commissioner Jalandhar in a meeting held on 15-05-2024. Process for identification of Panchayat land for straw storage is under Consideration by Rural development department.

4. Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management:-

It is being assumed that every baler operator has minimum of two trolleys as this is the minimum number of trolleys required per baler for effective baling operations. So more than 278 Baled straw trolleys will be operational in the field which are capable of hauling straw of over 800 acres in single trip i.e. equivalent to 2000 tones.

This is for your kind information, please.

Member Secretary
Punjab Pollution Control Board
Patiala.

End:- Soft Copy.

Additional Deputy Commissioner (RD)
Jalandhar

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 1513Dated 08-07-2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024.

In regard to above, the information sought vide above reference letter, pertaining to this office is as under,

Sr. No.	Information Sought	Information related to District Kapurthala
4.	<p>a. Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management alongwith details regarding the quantity of paddy straw to be used in each industrial unit.</p> <p>b. Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023.</p> <p>c. Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.</p>	<p>Currently there is no industry that is using paddy stubble as fuel in district Kapurthala. The district does not have many large scale industries, however two units i.e. M/s Jagatjit Industries, village Hamira and M/s Golden Sandhar Sugar Mill, Phagwara are being actively pursued to adopt paddy stubble as fuel in their boilers.</p> <p>There are two brick kilns namely M/s Healthy Bricks Co., Phagwara and M/s Ajit Singh & Sons., Phagwara who are using paddy straw as fuel in brick kilns.</p> <p>Further, M/s Rana Sugar Mill, Village Buttar, District Amritsar is utilizing paddy stubble from the district. They have total bailing capacity of 350000 tonnes. Also 3 paddy based pellet plants are proposed at Village Bundala, Tehsil Phillaur, District Jalandhar which will utilize paddy stubble from Sultanpur Tehsil of the District.</p>
5.	Detailed report regarding the transportation and logistics of paddy	1. Currently there is no industry that is using

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straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each district.

paddy stubble as fuel in district Kapurthala. The district does not have many large scale industries, however two units i.e. M/s Jagatjit Industries, village Hamira and M/s Golden Sandhar Sugar Mill, Phagwara are being actively pursued to adopt paddy stubble as fuel in their boilers.

There are two brick kilns namely M/s Healthy Bricks Co., Phagwara and M/s Ajit Singh & Sons., Phagwara who are using paddy straw as fuel in brick kilns.

Further, M/s Rana Sugar Mill, Village Buttar, District Amritsar is utilizing paddy stubble from the district. They have total bailing capacity of 350000 tonnes. Also 3 paddy based pellet plants are proposed at Village Bundala, Tehsil Phillaur, District Jalandhar which will utilize paddy stubble from Sultanpur Tehsil of the District.

2. There are 37 balers and rakers operating in the District which are given on subsidy to the farmers.
3. In FY 2023-24, 20 storage dumps in different villages of the District for storage of paddy straw namely:-
 - a. Baja
 - b. Nadala
 - c. Ucha
 - d. Kukhren
 - e. Hothian
 - f. Sidhwan Dona
 - g. Bhabiana
 - h. Khaati
 - i. Sujjokalia
 - j. Talwandi Choudrian
 - k. Mewa Singh
 - l. Jabowal

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		<p>m. Satabguru n. Tarf Behbel Bahaler o. Kalru p. Nawapind Donw q. Khurumpur</p> <p>The total capacity of these dump sites is 4,80,000 MT</p> <p>4. After making of balers by balers, the bales were then transported from farmers' field to these storage dumps with help of tractor operated carriers owned/arranged by the balers owners.</p>
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This is for your kind information.


For Deputy Commissioner,
Kapurthala.


Member Secretary
Punjab Pollution Control Board
Patiala.

Office of Deputy Commissioner, Ludhiana

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 1086 Dated - 8.7.24
Subject:- Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024.

In regard to above, the following information was sought:-

5.	All Deputy Commissioners of the State	Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each district.
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The information pertaining to District Ludhiana related to point no. 05 is reproduced as under:-

1. Availability of balers and rakers in the District:-

Farmers in District Ludhiana have been provided 237 balers/rakes on subsidy under Crop Residue management Scheme till date (List attached in Annexure -1). A total demand of 212 more baler sets was assessed and was submitted in the action plan. However a target of only 46 such sets is received by the district under CRM scheme for the year 2024, which is less than the requirement already projected as against applications received.

Similarly the plan for in-situ management of Paddy Straw in 2024 along with village wise mapping of available machines was prepared and a demand of such 2807 more machines was assessed (Action plan attached Annexure-2). However target of 754 for such machines is received. So total demand is 3019. The detail comparison of target for 2024 w.r.t demand of District Ludhiana is as under:-

Sr. No.	Demand	Target Given	Deficiency
Ex-situ Machinery (baler-rake set)	212	46	166
In-situ machinery	2807	754	2053

2. Number of units consuming paddy straw:-

Detail of units consuming paddy straw in the district is enclosed herewith as Annexure-3. The total quantity paddy straw identified for Ex-situ utilization (in Thousand Tonnes) is 332.12 MT.

3. Number of points where paddy straw be stored:-

It is informed that District Ludhiana has approximate 151 acres of Panchayat Land available for storage of paddy (detail enclosed as annexure -4). Further, meeting has been taken by the Deputy Commissioner, Ludhiana with the industrialists to promote paddy straw based boiler on 02.04.2024, wherein industry has been asked to send a proposal regarding storage of paddy straw and requirement of land so that industries be allocated land in advance well before the Paddy Harvesting Season 2024 (proceedings attached as Annexure-5).

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4. Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management:-

As per the assessment of Chief Agriculture Officer, Ludhiana, there are 474 (approx.) trolleys in the district, which are specially designed to carry/ haul bales from fields to storage points and further to points of consumption. These 474 trolleys are capable of carrying 3120 tonnes (approx.) drawn from 1200 acres in one single trip. Apart from these trolleys, industries which are using paddy straw has its own specialised trolleys also to carry the bales. So, a robust mechanism of transportation of Ex-situ managed paddy straw exists in the district. District Administration is also trying to facilitate better coordination between farmers, aggregators and industry so that there is smooth and optimum transportation and storage of Ex-situ managed paddy straw in the district. Further as per data provided by PEDA, there are 6 CBG Plants in District Ludhiana, Out of which 1 is operational and 5 are under construction. The detail of the catchment area of these CBG plants are also attached herewith as Annexure-6.

This is for your kind information, please.


Additional Deputy Commissioner (RD)
Ludhiana


Member Secretary
Punjab Pollution Control Board
Patiala.

Baler Availability in District Ludhiana till 2024					
Sr.	Name	Village	Block	Category	Mobile
1	MOHINDER SINGH	PAYAL	Doraha	Individual	9781000501
2	LAKHRIR SINGH	Sirhala	Doraha	Individual	9915687227
3	GURPREET SINGH	Jargari	Doraha	Individual	9914544413
4	BEANT SINGH	Jargari	Doraha	Individual	9781343319
5	SURJEET SINGH	Jarg	Doraha	Individual	9676307304
6	MANJINDER SINGH	Gureh	Jagraon	Individual	9646239174
7	MANJINDER SINGH	Gureh	Jagraon	Individual	9646239174
8	HARDIP SINGH	Lakha	Jagraon	Individual	9664370657
9	THE DAHERU coop soc	Daheru	Khanna	Coop Soc	9592475444
10	THE DAHERU coop soc	Daheru	Khanna	Coop Soc	9592475444
11	GURTEG SINGH	Taunsa	Khanna	Individual	9878140439
12	gurjant singh	Turmani	Khanna	Individual	9855104780
13	gurjant singh	Turmani	Khanna	Individual	9855104780
14	GURTEG SINGH	Taunsa	Khanna	Individual	9878140439
15	Jagdev Singh	Bhamaddi	Khanna	Individual	9878794239
16	LAKHVIR SINGH	Bhamaddi	Khanna	Individual	9465474317
17	Tejinder kaur	Bhamaddi	Khanna	Individual	8729025370
18	Jagdev Singh	Bhamaddi	Khanna	Individual	9878794239
19	LAKHVIR SINGH	Bhamaddi	Khanna	Individual	9465474317
20	Tejinder kaur	Bhamaddi	Khanna	Individual	8729025370
21	MANPREET SINGH	Robnon Kalan	Khanna	Individual	9417506544
22	NIRMAL SINGH	Harion Kalan	Khanna	Individual	9465772216
23	Jagtar singh	Bija	Khanna	Individual	9855660359
24	Beant Singh	Taunsa	Khanna	Individual	9915256537
25	PARMINDER SINGH	Penrukha	Khanna	Individual	9876479991
26	GURSEWAK SINGH	Chakohi	Khanna	Individual	9592781515
27	BHINDER SINGH	Jalajan	Khanna	Individual	9855373684
28	GURMEET SINGH	Lalheri	Khanna	Individual	9803000406
29	PRITPAL SINGH	Chakohi	Khanna	Individual	9592330100
30	AMARJIT SINGH	Aloona Miana	Khanna	Individual	6283970037
31	RUPINDER SINGH MANGAT	Mandiala Kalan	Khanna	Individual	8146316609
32	BALWINDER SINGH	Rauni	Khanna	Individual	9781754901
33	SANDEEP SINGH	Bir Kishan Singh	Khanna	Individual	8847554120
34	HARMANPREET DHINDSA	Ramgarh	Khanna	Individual	8968000195
35	Manreet singh	Bhamaddi	Khanna	Individual	8968952230
36	Karjit kaur	Bhamaddi	Khanna	Individual	8847675852
37	BHAGWANT SINGH	GHURALA	Khanna	Individual	7888626637
38	RAJINDER SINGH	RAUNI	Khanna	Individual	7402100070
39	HARJINDER SINGH	GHANGRALI	Khanna	Individual	6284175977
40	Kanach kisan sabha	Kanach	Ludhiana	Individual	9646038064
41	Parsotam Singh	Kanach	Ludhiana	Individual	9646004885
42	Sukhwinder Singh	Bhanchar	Ludhiana	Individual	9465564566
43	Nirmal Singh	Kohara	Ludhiana	Individual	9815431100
44	RAVINDER SINGH	Alamgir	Ludhiana	Individual	9872198098
45	BALJIT SINGH	Hassanpur	Ludhiana	Individual	9815122862
46	THE NOORPUR BET MCAS LTD	Nurpur Bet	Mangat	Coop Soc	9872738261
47	THE NOORPUR BET MCAS LTD	Nurpur Bet	Mangat	Coop Soc	9872738261
48	SUBHDEV SINGH	Gaunspur	Mangat	Individual	9914341314
49	MANJIT SINGH	Mangat	Mangat	Individual	9780320038
50	HARPREET SINGH	Outbewal Gujran	Mangat	Individual	6280988347
51	AMRIK SINGH	Rattangarh	Mangat	Individual	8872824989
52	AMRIK SINGH	Itattangarh	Mangat	Individual	8872824989
53	HARPREET SINGH	Outbewal Gujran	Mangat	Individual	6280988342
54	MANJIT SINGH	Mangat	Mangat	Individual	9780020038
55	SUBHDEV SINGH	Gaunspur	Mangat	Individual	9914341314
56	Harvinder Singh	Gaunspur	Mangat	Individual	9988921000
57	LAKHVIR SINGH	Kheemian	Machhiwara	Individual	9855804300
58	LAKHVIR SINGH	Kheemian	Machhiwara	Individual	9855804300
59	SURJIT SINGH	Panjgarian	Machhiwara	Individual	0815740896
60	PARAMJIT SINGH	Mushkabad	Machhiwara	Individual	9815004713

61	BHAJAN SINGH	Jodhwal	Machhiwara	Individual	9646860410
62	Roop Singh	Mubarakpur	Machhiwara	Individual	9453751827
63	SARAJIT KAUR	Latala	Pakhawal	Individual	9417521055
64	THE SALOUDI SINGHAN coop soc	Selodi	Samrala	Coop Soc	9780008568
65	THE SALOUDI SINGHAN coop soc	Selodi	Samrala	Coop Soc	9780008568
66	MANMOHAN SINGH	JALANPUR	Samrala	Individual	9815560851
67	BALINDER KAUR RAJ	Majli Kalan	Samrala	Individual	9877304177
68	BALINDER KAUR RAJ	Majli Kalan	Samrala	Individual	9877304177
69	GURINDER SINGH	Manupur	Samrala	Individual	9781155002
70	IQBAL SINGH	Harbanspura	Samrala	Individual	9779298083
71	Iqbal Singh	Manupur	Samrala	Individual	9781284048
72	RAJWINDER SINGH	Gharakhana	Samrala	Individual	9915490783
73	Gurjit Singh	Dayaspura	Samrala	Individual	9781447687
74	GAGANDEEP SINGH	Gharakhana	Samrala	Individual	8146286386
75	JATINDER SINGH	Gharakhana	Samrala	Individual	8968313664
76	GURINDER SINGH	Goslan	Samrala	Individual	9465930511
77	KULDEEP SINGH	BOMS	Samrala	Individual	9464363307
78	NIRMAL SINGH	Harbanspura	Samrala	Individual	9463184495
79	Lakhvir Singh	Jallanpur	Samrala	Individual	9464583213
80	HARMANPREET SINGH	Majli Kalan	Samrala	Individual	9886580201
81	NARINDER SINGH	Harbanspura	Samrala	Individual	9914893316
82	BALJIT SINGH RAJ	Majli Kalan	Samrala	Individual	8872777976
83	PREM SINGH	Bhourle	Samrala	Individual	6280898510
84	Randhir Singh	Harbanspura	Samrala	Individual	9517400083
85	RAJODH SINGH	Ruplon	Samrala	Individual	9814220122
86	AVHINDER SINGH	Talwandi Kalan	Sidhwan Bet	Individual	9914700823
87	Gurmlinder Singh	Malsian Bhalke	Sidhwan Bet	Individual	9463271608
88	JARNAIL SINGH	Sedarpara	Sidhwan Bet	Individual	9888495224
89	TARSEM SINGH	Ghamnewal	Sidhwan Bet	Individual	8591400035
90	GURBINDER SINGH TOOR	Swaddi Kalan	Sidhwan Bet	Individual	9872079039
91	Satinder kaur	Birk	Sidhwan Bet	Individual	9914604086
92	Pargat Singh	Swaddi Kalan	Sidhwan Bet	Individual	9876000226
93	SUKHVIR SINGH	Rattowal	Sudhar	Individual	7508286811
94	SUKHVIR SINGH	Rattowal	Sudhar	Individual	7508286811
95	Amandeep Singh	Aloona Toia	Khana	Individual	9872130014
96	Amar Singh	Chakohi	Khana	Individual	7901765021
97	AMARJIT SINGH	Thakarwal	Ludhiana 1	Individual	9888197000
98	ASHWANI KUMAR	Ramgarh Sandaran	Dehlon	Individual	9815871152
99	BALWANT SINGH	Mandiani	Jagraon	Individual	9891901376
100	Barinder Singh	Bhamaddi	Khana	Individual	9592402008
101	BHAGWANT SINGH	Bool	Dehlon	Individual	9914404141
102	Bhajan Singh	Tumari	Khana	Individual	8427966192
103	BIKRAMJIT SINGH SANDHU	Harbanspura	Samrala	Individual	9815249858
104	BLIYA SINGH	Bounger Dogran	Ludhiana 2	Individual	9872856356
105	Deepika Bansal	Adhiana	Machhiwara	Individual	9803687783
106	DEVINDER SINGH	Sonwarpur	Samrala	Individual	9551100029
107	GAGANDEEP SINGH	Shahpur	Doraha	Individual	7717357930
108	GURDEEP SINGH	Bahadurpur	Ludhiana 2	Individual	9855007138
109	GURJEET SINGH	Jargari	Doraha	Individual	6280740410
110	GURJIT SINGH	Sultanpur	Doraha	Individual	9592408913
111	GURJOT SINGH	Rupalon	Samrala	Individual	9876900458
112	GURMEET SINGH	Manupur	Samrala	Individual	9463506039
113	GURMEET SINGH	Dewatwai	Ludhiana 1	Individual	9915488188
114	GURPREET SINGH	Sirhala	Doraha	Individual	9814277119
115	gurtej Singh	Manjali Khurd	Samrala	Individual	9914125360
116	GURVEER SINGH	Taunsa	Khana	Individual	9877276868
117	GURVINDER SINGH	Rajni	Khana	Individual	8609232296
		Sirhala	Doraha	Individual	9463756062

119	HARDIAL SINGH	Walpur Kalan	Sidhwan Bet	Individual	9815068326
120	HARINDERJEET SINGH	Nurpur Bet	Ludhiana 2	Individual	9855400275
121	Harjeet Kaur Dhaliwal	Rattowal	Sudhar	Individual	9876998945
122	Harjot Singh	Kulahar	Dehlon	Individual	9592940975
123	HARPAL SINGH	Gharkhana	Samrala	Individual	9417954437
124	HARPREET SINGH	Mandiala Khurd	Samrala	Individual	8427750960
125	HARVINDER SINGH	Khera	Dehlon	Individual	9815662920
126	HARWINDER SINGH	Swaddi Kalan	Sidhwan Bet	Individual	9463481494
127	JAGANPREET SINGH	Abbupura	Sidhwan Bet	Individual	9855940074
128	JAGDEEP SINGH	Jandali	Doraha	Individual	9855151905
129	JAGDISH KUMAR	Fatehgarh	Ludhiana 2	Individual	9877937795
130	JAGJIT SINGH	Amargarh Urf Kaler	Sidhwan Bet	Individual	9914013035
131	JAGROOP SINGH KALER	Mullanpur	Ludhiana 1	Individual	9888718887
132	JAGTAR SINGH	Heran	Sudhar	Individual	9463567250
133	JASPAL SINGH	Ber Kalan	Dehlon	Individual	9815854270
134	JASPAL SINGH	Gharkhana	Samrala	Individual	9463395663
135	JASWINDER SINGH	Ghangas	Doraha	Individual	7037035808
136	JATINDER SINGH	Imalpur	Khana	Individual	9815128514
137	KAMALJIT KAUR	Gagra	Samrala	Individual	8158015140
138	KAMALVIR SINGH	Kotla Dhak	Khana	Individual	8146310660
139	KAMALVIR SINGH KANG	Kotla Shamshpur	Machiwara	Individual	9876403800
140	KANWALJIT SINGH	Ballawal	Ludhiana 2	Individual	9878192217
141	KULVIR SINGH	Seh	Samrala	Individual	9855005145
142	KULWINDER KAUR	Timbarwal	Dehlon	Individual	8872454561
143	KULWINDER KAUR	Dhiwan	Samrala	Individual	8895200001
144	LAKHVir SINGH	Gaggar Majra	Khana	Individual	9915832834
145	Lakhvir Singh	Maihipur	Doraha	Individual	9501581077
146	LAKHVir SINGH	Manjali Khurd	Samrala	Individual	9914800361
147	LAKHWINDER KUMAR ATTRI	Jandali	Doraha	Individual	8146172199
148	MALKIT SINGH	Johlan	Sudhar	Individual	9478231710
149	Manjit kaur	Dhanansu	Ludhiana 2	Individual	8437532127
150	Manjit Kaur	Turmari	Khana	Individual	9814222700
151	MANJIT SINGH	Ghulal	Samrala	Individual	9914500532
152	MANJIT SINGH	Ghumait	Ludhiana 2	Individual	9815401522
153	MANPREET SINGH	Ghaioti	Doraha	Individual	9988813965
154	MANVIR SINGH	Manjali Kalan	Samrala	Individual	9878026386
155	MUKHTIAR SINGH	Mandiala Khurd	Samrala	Individual	9814787763
156	Narinderpal singh	Kishangarh	Khana	Individual	9872143101
157	NAVDEEP SINGH	Jalainpur	Samrala	Individual	9478073514
158	NAVNEET KAUR	Aloona Miana	Khana	Individual	7696203683
159	PANKAJ BANSAL	Adhiana	Machiwara	Individual	9888217098
160	PARDEEP SINGH	Bondal	Samrala	Individual	9463245481
161	PARMINDER SINGH GILL	Purbo	Samrala	Individual	9815080175
162	Pritpal Kaur	Jarg	Khana	Individual	9855905076
163	Pritpal Singh	Khasi Kalan	Ludhiana 2	Individual	9876013500
164	Raj kumar		Sidhwan Bet	Individual	8872729077
165	RAVIR SINGH SAHOTA	Bijapur	Khana	Individual	9866200001
166	Rajwinder Kaur Randhawa	Bhamaddi	Khana	Individual	9781435553
167	RANDHIR SINGH	Manupur	Samrala	Individual	8146449201
168	RANJIP SINGH	Bir Kishan Singh	Khana	Individual	9814829722
169	Ravinder singh	Parjrukha	Khana	Individual	9617935758
170	RUPINDER SINGH	Machhiwara	Machiwara	Individual	9646300003
171	SAMANDEEP SINGH	Turmari	Khana	Individual	8360366013
172	SARABPREET SINGH	Mohanpur	Khana	Individual	9876765474
173	SAWARN SINGH	Dhiwan	Samrala	Individual	9463252236
174	SEKHON FARMER WELFARE GROUP	Manupur	Samrala	RFG	9809803900
175	SHINGARA SINGH	Hol	Khana	Individual	9779485885
176	SIMMI GARG	Samrala	Samrala	Individual	8284934733
177	SIMRANJEET SINGH	Rauni	Khana	Individual	7402200070
178	SOHAN LAL	Bhupana	Ludhiana 2	Individual	9463267563
179	SURINDER SINGH	Kalis Khurd	Ludhiana 2	Individual	9815277866

180	SUKHDEV SINGH	Mandiala Kalan	Khana	Individual	9814828513
181	SUKHWIR SINGH MUNDI	Shahpur	Doraha	Individual	7340708467
182	SUKHWINDER SINGH	Bhundri	Sidhwan Bet	Individual	9814125155
183	SUKHWINDER SINGH	Bhagpur	Ludhiana 2	Individual	6283628625
184	SUKHWINDER SINGH	Mushkabad	Machiwara	Individual	9463663840
185	Sulakhan Singh	Ghumait	Ludhiana 2	Individual	9504191000
186	SURINDER SINGH	Khana	Dehlon	Individual	9872523692
187	SWARAN SINGH	Ghulab	Samrala	Individual	9779361016
188	NACHATTAR SINGH	Lall Kalon	Samrala	Individual	9878126176
189	AMRITPAL SINGH	Taunsa	Khana	Individual	7687534515
190	AVNINDER SINGH	Qutbwal Gujran	Ludhiana 2	Individual	8195846036
191	Mahinder Singh	Taunsa	Khana	Individual	9014308515
192	BALJEET SINGH	Aloona Miana	Khana	Individual	9876439716
193	GURJEET SINGH	Ikolahi	Khana	Individual	9872216442
194	HARJIT KAUR	Harion Kalan	Machiwara	Individual	8427606368
195	RAMANDEEP SINGH	Shahpur	Doraha	Individual	7888662100
196	INDERPAL SINGH	Rauni	Khana	Individual	9592371371
197	SARBJIT SINGH SIDHU	Kaunke	Jagraon	Individual	9780937694
198	HAIRDEEP SINGH	Ishampur	Khana	Individual	9592585838
199	GURPREET SINGH	Katani Kalan	Ludhiana 1	Individual	9814531120
200	PARMINDER SINGH	Isru	Khana	Individual	9463458573
201	SUKHDEEP SINGH	Todarpur	Machiwara	Individual	7717231364
202	DALJIT KAUR	Ishampur	Khana	Individual	8427300516
203	Lapran Multipurpose farmer Producer Company Limited	Lapran	Doraha	FPO	8872044757
204	INDERJIT SINGH	Bullepur	Khana	Individual	9417176947
205	SUKHRAJ SINGH	Nohanpur	Khana	Individual	9803810092
206	KAMALJIT SINGH	Timbarwal	Dehlon	Individual	8872454539
207	GURSHARN SINGH SANDHU	Manuke	Jagraon	Individual	8437176671
208	GURINDER SINGH	Rauni	Khana	Individual	9056200007
209	ARVINDER SINGH	Ikolahi	Khana	Individual	9877291353
210	SUKHDEV SINGH	Ikolahi	Khana	Individual	9592783260
211	HARCHARAN SINGH	Stahar	Dehlon	Individual	9417630012
212	Baljit Kaur	Jodhwal	Machiwara	Individual	9878212258
213	BOPARAJ KISAN SEWA GROUP	Bool	Dehlon	RFG	8423200002
214	Dhanansu Self Help Kissan Group	Dhanansu	Ludhiana 2	RFG	9814040050
215	MAAN FARMER WELFARE GROUP	Gharikhana	Samrala	RFG	7901793187
216	Sandeep Singh	Gobindpura	Doraha	Individual	7009588483
217	RAMJAN MOHAMMED	Herian	Machiwara	Individual	8727911267
218	BALWANT SINGH	Sirhala	Doraha	Individual	7347290854
219	SUKHCHAIN SINGH	Sirhala	Doraha	Individual	9914264636
220	SIKANDER SINGH	Johlan	Sudhar	Individual	9914202763
221	BUTA SINGH SANDHU	Manuke	Jagraon	Individual	9117315710
222	Karamvir Singh	Taunsa	Khana	Individual	8146381434
223	KAMALJIT SINGH	Isru	Khana	Individual	9814013163
224	GURPREET SINGH	Bondal	Samrala	Individual	9814395566
225	Bhupinder Singh	Bhauria	Samrala	Individual	9802800071
226	Sarjit kaur	Rupalon	Samrala	Individual	8591220127
227	Navdeep Singh Mann	Gureh	Jagraon	Individual	9877694011
228	HARPREET SINGH	Johlan	Sudhar	Individual	9750205911
229	JAGDEV SINGH CHOHAN	Lehra	Dehlon	Individual	9814880580
230	Kiranpal Singh	Khasi Kalan	Ludhiana 2	Individual	9872045835
231	AVTAR SINGH	Hoi	Khana	Individual	9876178014
232	SANDEEP GUPTA	Samrala	Samrala	Individual	9872016116
233	HARINDER KAUR	Manpur	Samrala	Individual	8360762036
234	GURDEEP SINGH	Taunsa	Khana	Individual	8264151485
235	KARAM SINGH	Taunsa	Khana	Individual	9877575178
236	DAVINDER SINGH	Aloona Miana	Khana	Individual	8883248000
237	PAIWINDER SINGH	Todarpur	Machiwara	Individual	9417277341

Member Secretary
Punjab Pollution Control Board
Patiala.

Plan for In-Situ Management of Paddy Straw in 2024

#	Block Name	Village Name	Paddy Area (in H)	No. of CRM machine available	No. of CRM machine required in 2024	Machine Availability				
						Farmer's	Co-operative Society	Panchayat	Registered Farmers' Group	FFO
1	Dehlon	Bhagwanpura	20.202	1	1 in-situ	1				
2	Dehlon	Bhutta	531.970	15	8 in-situ	5	10			
3	Dehlon	Bool	133.238	5	2 in-situ	4			1	
4	Dehlon	Brahman Majra	23.988	0	1 in-situ					
5	Dehlon	Butahri	647.152	15	1 ex-situ	15				
6	Dehlon	Dangora	122.347	3	1 in-situ	3				
7	Dehlon	Dehlon	437.538	8	4 in-situ	8				
8	Dehlon	Dharaur	147.256	1	4 in-situ	1				
9	Dehlon	Dhoday	219.867	0	4 in-situ					
10	Dehlon	Garib Nagri	125.181	0	2 in-situ					
11	Dehlon	Ghawaddi	262.205	11	4 in-situ	8	3			
12	Dehlon	Gopalpur	209.442	8	2 in-situ	5			3	
13	Dehlon	Guram	238.895	9	4 in-situ	7	1		1	
14	Dehlon	Harnam Pura	117.094	7	2 in-situ	5	2			
15	Dehlon	Jarkhar	206.891	2	3 in-situ	2				
16	Dehlon	Jaspal Bhangar	73.724	7	1 in-situ	2	5			
17	Dehlon	Jassar	176.244	15	3 in-situ	4	11			
18	Dehlon	Khanpur	407.487	19	6 in-situ	16	3			
19	Dehlon	Khatra	442.720	14	5 in-situ	6	8			
20	Dehlon	Khera	221.638	14	3 in-situ	12			2	
21	Dehlon	Kila Raipur	849.539	23	8 in-situ	20			3	
22	Dehlon	Lehra	242.104	6	4 in-situ	3	3			
23	Dehlon	Mukand Pur	392.872	6	7 in-situ	2	4			
24	Dehlon	Nangal	232.308	11	3 in-situ	8	1		2	
25	Dehlon	Natt	139.280	3	3 in-situ	3				
26	Dehlon	Paddi	210.474	2	4 in-situ	1			1	
27	Dehlon	Pohir	212.559	15	3 in-situ	15				
28	Dehlon	Ranglan	358.824	8	4 in-situ	8				
29	Dehlon	Rurka	238.905	6	4 in-situ	6				
30	Dehlon	Saya Kalan	157.256	0	2 in-situ					
31	Dehlon	Saya Khurd	158.167	1	1 in-situ	1				
32	Dehlon	Shanker	308.783	5	3 in-situ	1	4			
33	Dehlon	Silon Kalan	121.345	8	2 in-situ	3	1		4	
34	Dehlon	Silon Khurd	166.790	2	3 in-situ	2				
35	Dehlon	Tibba	195.819	9	5 in-situ	2	7			
36	Dehlon	Umed Pur	42.105	4	1 in-situ	4				
37	Doraha	Afzala Pur	66.052	2	1 in-situ	2				
38	Doraha	Ajnoud	174.078	6	3 in-situ	3	3			
39	Doraha	Arrfacian	204.472	10	2 in-situ	4	6			
40	Doraha	Barmalipur	156.031	12	3 in-situ	7	5			
41	Doraha	Begowal	371.890	9	4 in-situ	3	6			
42	Doraha	Bhethal	174.139	8	2 in-situ	1	7			
43	Doraha	Bilaspur	441.607	15	9 in-situ	6	9			
44	Doraha	Bir Katari	99.807	0	2 in-situ					
45	Doraha	Bishan Pura	418.924	1	7 in-situ	1				
46	Doraha	Dehna	254.108	4	3 in-situ	1	3			

47	Doraha	Chan Kolan	165.485	1	4 in-situ	1			
48	Doraha	Chan Kolan	97.246	2	3 in-situ	2			
49	Doraha	Deep Nagar	248.794	0	5 in-situ				
50	Doraha	Devipura Chima	87.115	0	1 in-situ				
51	Doraha	Dhamot	1429.920	30	1 ex-situ	21	8		1
52	Doraha	Doburji	270.818	6	7 in-situ	6			
53	Doraha	Doraha	233.561	5	4 in-situ	2			3
54	Doraha	Dugri	219.756	0	4 in-situ				
55	Doraha	Feroze Pur	156.021	0	2 in-situ				
56	Doraha	Ghaloti	819.499	27	1 ex-situ	21	6		
57	Doraha	Ghanghas	421.202	11	4 in-situ	11			
58	Doraha	Ghudani Kalan	1115.610	14	1 ex-situ	9	5		
59	Doraha	Ghudani Khurd	608.377	6	7 in-situ		6		
60	Doraha	Gidri	314.411	10	7 in-situ	7	3		
61	Doraha	Gobind Pura	282.751	1	6 in-situ				1
62	Doraha	Gurdit Pura	100.880	0	2 in-situ				
63	Doraha	Jahangir	111.345	3	1 in-situ	3			
64	Doraha	Jaipura	125.252	10	2 in-situ	3	7		
65	Doraha	Jallah	406.657	7	6 in-situ	3	3		1
66	Doraha	Jangari	738.740	46	1 ex-situ	31	15		
67	Doraha	Kaddon	383.651	17	6 in-situ	9	8		
68	Doraha	Katahel	437.841	18	3 in-situ	8	10		
69	Doraha	Katana	205.727	0	3 in-situ				
70	Doraha	Kotla Afghana	133.511	1	3 in-situ	1			
71	Doraha	Lande	195.758	3	3 in-situ	1	2		
72	Doraha	Lapran	295.352	1	6 in-situ	1			
73	Doraha	Majri	241.001	5	6 in-situ	5			
74	Doraha	Maksudra	680.684	23	1 ex-situ	19	3		1
75	Doraha	Malipur	171.294	5	2 in-situ	5			
76	Doraha	Payal	903.648	25	1 ex-situ	14	8		3
77	Doraha	Rajgarh	375.149	2	7 in-situ	2			
78	Doraha	Rampur	650.441	30	1 ex-situ	18	12		
79	Doraha	Rano	205.029	2	2 in-situ	2			
80	Doraha	Rara Shiah	203.865	2	3 in-situ	2			
81	Doraha	Raul	132.206	12	3 in-situ	12			
82	Doraha	Shahpur	132.580	16	3 in-situ	12	4		
83	Doraha	Sultanpur	104.767	2	2 in-situ	2			
84	Jagraon	Ag Gujran	948.779	4	2 ex-situ	4			
85	Jagraon	Ag Khuwaja	495.331	5	1 ex-situ	5			
86	Jagraon	Ag Ladhi	477.355	6	1 ex-situ	3			3
87	Jagraon	Ag Lapon	157.863	14	4 in-situ	13	1		
88	Jagraon	Ag Rahlan	318.358	5	8 in-situ	4	1		
89	Jagraon	Agwar Dalla	317.022	11	8 in-situ	3	2		6
90	Jagraon	Agwar Lapon	717.091	16	1 ex-situ	10	6		
91	Jagraon	Agwar Pona	442.173	50	1 ex-situ	44			6
		Akhara	897.940	26	2 ex-situ	18	8		

93	Jagraon	Aligarh	204.705	5	5 in-situ	5				
94	Jagraon	Barde Ke	429.511	9	1 ex-situ	9				
95	Jagraon	Barich	370.757	3	7 in-situ	2	1			
96	Jagraon	Basuwal	144.807	8	4 in-situ	8				
97	Jagraon	Bhami Pura	849.306	25	2 ex-situ	19	6			
98	Jagraon	Bir Akhara	176.497	1	4 in-situ	1				
99	Jagraon	Bir Gagara	112.702	3	3 in-situ	3				
100	Jagraon	Buraj Kulara	237.721	6	6 in-situ	6				
101	Jagraon	Chacharari	314.097	14	8 in-situ	6	8			
102	Jagraon	Chakkar	1407.339	32	3 ex-situ	21	11			
103	Jagraon	Chiman	424.177	7	1 ex-situ	2	3			2
104	Jagraon	Chimna	504.258	18	1 ex-situ	12	6			
105	Jagraon	Dahila	968.121	19	2 ex-situ	16	3			
106	Jagraon	Dangian	363.874	49	1 ex-situ	40	9			
107	Jagraon	Dohrka	774.600	17	2 ex-situ	9	7			1
108	Jagraon	Dhatt	558.164	21	1 ex-situ	13	8			
109	Jagraon	Dhollan	433.135	14	1 ex-situ	9	5			
110	Jagraon	Gagra	285.545	4	8 in-situ					4
111	Jagraon	Gure	368.216	12	5 in-situ	9	3			
112	Jagraon	Hans Kalan	1115.418	33	2 ex-situ	19	6			8
113	Jagraon	Hathur	1322.573	44	3 ex-situ	43				1
114	Jagraon	Jagraon	66.386	13	2 in-situ	13				
115	Jagraon	Kaonke Kalan	1902.377	92	4 ex-situ	73	11			8
116	Jagraon	Kaonke Khosa	299.148	13	7 in-situ	13				
117	Jagraon	Kular	697.658	9	1 ex-situ	7	2			
118	Jagraon	Lakha	1345.973	46	4 ex-situ	34	12			
119	Jagraon	Malak	388.155	17	1 ex-situ	17				
120	Jagraon	Malha	1364.850	31	3 ex-situ	19	12			
121	Jagraon	Mann	592.223	16	1 ex-situ	7	9			
122	Jagraon	Manuke	1781.193	29	4 ex-situ	16	13			
123	Jagraon	Mirpur	132.762	10	3 in-situ	6	4			
124	Jagraon	Mandiani	379.907	22	6 in-situ	14	8			
125	Jagraon	Pabbian	222.883	22	5 in-situ	8	13			1
126	Jagraon	Pandori	137.904	4	3 in-situ		4			
127	Jagraon	Patti Sham	358.955	0	7 in-situ					

7										
12	8	Jagraon	Randhir Garh	250.434	3	5 in-situ	3			
12	9	Jagraon	Rasul Pur	1400.285	54	3 ex-situ	43	11		
13	0	Jagraon	Rooml	674.743	23	2 ex-situ	15	8		
13	1	Jagraon	Sichwan Khurd	221.648	12	3 in-situ	7	5		
13	2	Jagraon	Seithupura	346.334	14	8 in-situ	7	7		
13	3	Jagraon	Sohian	581.859	15	1 ex-situ	6	9		
13	4	Jagraon	Sujapur	244.644	7	5 in-situ	6	1		
13	5	Khanna	Alipur	122.094	0	4 in-situ				
13	6	Khanna	Alona Miana	236.992	7	4 in-situ	7			
13	7	Khanna	Alona Palla	190.029	5	4 in-situ	5			
13	8	Khanna	Alona Tola	224.179	9	3 in-situ	3	6		
13	9	Khanna	Alour	159.402	2	3 in-situ	2			
14	0	Khanna	Asgaripur	123.683	0	3 in-situ				
14	1	Khanna	Baghour	158.056	6	4 in-situ	3			3
14	2	Khanna	Baho Majra	104.271	0	2 in-situ				
14	3	Khanna	Baupur	85.070	7	2 in-situ	7			
14	4	Khanna	Beeja	190.879	7	4 in-situ	5	2		
14	5	Khanna	Beer Kishan	135.637	3	3 in-situ	3			
14	6	Khanna	Bhadia Niche	219.553	2	6 in-situ	2			
14	7	Khanna	Bhadia Uncha	150.535	3	4 in-situ	3			
14	8	Khanna	Bharthia Randawa	267.792	4	5 in-situ	4			
14	9	Khanna	Bhattian	59.595	0	1 in-situ				
15	0	Khanna	Bhumadi	498.175	23	1 ex-situ	18	2		3
15	1	Khanna	Bibipur	100.283	14	2 in-situ	11	3		
15	2	Khanna	Bijapur Kothe	135.455	3	4 in-situ	3			
15	3	Khanna	Booth Garh	207.964	7	4 in-situ	3	4		
15	4	Khanna	Bullepur	79.605	5	2 in-situ	3	2		
15	5	Khanna	Chak Sarai	119.564	1	2 in-situ	1			
15	6	Khanna	Chakohi	443.317	9	1 ex-situ	8	1		
15	7	Khanna	Cheema	294.968	10	6 in-situ	7	3		
15	8	Khanna	Chupki	110.242	0	3 in-situ				
				396.283	9	1 ex-situ	1	8		

160	Khanna	Daumajra	163.015	4	3 in-situ	4			
161	Khanna	Deeva Khosa	181.153	0	3 in-situ				
162	Khanna	Deeva Mandair	127.611	9	3 in-situ	9			
163	Khanna	Faiz Garh	139.989	1	3 in-situ	1			
164	Khanna	Fateh Pur	204.837	1	3 in-situ	1			
165	Khanna	Fatehpur Dhak	177.894	0	4 in-situ				
166	Khanna	Gagar Majra	183.025	2	4 in-situ	2			
167	Khanna	Galwadi	127.277	0	3 in-situ				
168	Khanna	Gandula	151.457	8	4 in-situ	8			
169	Khanna	Gazipur	154.351	1	4 in-situ	1			
170	Khanna	Ghungral Rajputtan	470.452	15	1 ex-situ	8	7		
171	Khanna	Ghurala	240.059	13	5 in-situ	9			4
172	Khanna	Goh	663.113	21	2 ex-situ	10	4		7
173	Khanna	Haron Kalan	329.735	17	8 in-situ	10	7		
174	Khanna	Hole	266.992	13	5 in-situ	13			
175	Khanna	Ikolsha	346.314	11	8 in-situ	6	5		
176	Khanna	Ikolahi	497.456	8	1 ex-situ	7	1		
177	Khanna	Ishampur	167.205	4	2 in-situ	4			
178	Khanna	Ishru	359.583	17	6 in-situ	10	7		
179	Khanna	Ismail Pur	131.851	8	3 in-situ	8			
180	Khanna	Jalajan	292.771	9	4 in-situ	9			
181	Khanna	Jarg	774.904	16	9 in-situ	11	5		
182	Khanna	Jaspalon	279.654	0	4 in-situ				
183	Khanna	Jatana	224.695	20	3 in-situ	16	4		
184	Khanna	Kamma	147.691	0	3 in-situ				
185	Khanna	Karaudian	194.645	2	4 in-situ	2			
186	Khanna	Kauri	141.689	2	3 in-situ	2			
187	Khanna	Khanna Kalan	6.842	3	1 in-situ	3			
188	Khanna	Khanna Khurd	11.538	0	1 in-situ				
189	Khanna	Khatra	186.001	2	3 in-situ	2			
190	Khanna	Khurd	326.840	0	7 in-situ				
191	Khanna	Kishangarh	244.118	2	5 in-situ	2			
192	Khanna	Kot Paraalich	112.054	2	2 in-situ	2			

2									
19	3	Khanna	Kot Sekhon	82.398	0	2 in-situ			
19	4	Khanna	Kotla Dhak	123.835	4	3 in-situ	4		
19	5	Khanna	Lalheri	321.526	13	9 in-situ	13		
19	6	Khanna	Libra	159.544	8	4 in-situ	5		3
19	7	Khanna	Mahoun	242.994	8	5 in-situ	2	3	3
19	8	Khanna	Mahpur	365.038	2	5 in-situ	2		
19	9	Khanna	Majra Rahoun	173.764	4	5 in-situ	4		
20	0	Khanna	Majri	71.892	0	1 in-situ			
20	1	Khanna	Malakpur	206.102	5	5 in-situ	5		
20	2	Khanna	Malakpur	251.405	9	5 in-situ	9		
20	3	Khanna	Manak Majra	143.380	6	4 in-situ	1	5	
20	4	Khanna	Mandiala	153.906	11	3 in-situ	11		
20	5	Khanna	Mchandipur	151.548	1	4 in-situ	1		
20	6	Khanna	Mohanpur	99.159	11	2 in-situ	3	8	
20	7	Khanna	Mullanpur	201.841	10	3 in-situ	1	4	5
20	8	Khanna	Narain Garh	81.376	5	2 in-situ	2		3
20	9	Khanna	Nasrali	520.867	5	8 in-situ	5		
21	0	Khanna	Pala	89.058	0	2 in-situ			
21	1	Khanna	Panjrukha	241.466	17	3 in-situ	17		
21	2	Khanna	Patti Ishanpur	120.657	0	2 in-situ			
21	3	Khanna	Rahon	455.493	8	1 ex-situ	2	6	
21	4	Khanna	Raipur	252.994	4	4 in-situ	1	3	
21	5	Khanna	Raje Wal	186.092	4	5 in-situ	2	2	
21	6	Khanna	Ram Nagar	86.771	0	1 in-situ			
21	7	Khanna	Ramgarh	735.565	13	6 in-situ	9	4	
21	8	Khanna	Rasulra	195.717	5	4 in-situ	2		3
21	9	Khanna	Ratanheri	132.438	7	3 in-situ	4		3
22	0	Khanna	Rauni	829.873	26	2 ex-situ	20	6	
22	1	Khanna	Rouhno Kaleri	428.489	11	1 ex-situ	5	5	1
22	2	Khanna	Rouhno Khurd	308.024	2	6 in-situ	2		
22	3	Khanna	Sahib Pura	166.244	1	4 in-situ	1		
22	4	Khanna	Sahib Pura Lashkri	56.589	0	1 in-situ			

22	5	Khanna	Tonsa	108.005	22	2 in-situ	22			
22	6	Khanna	Turnari	186.831	15	2 in-situ	15			
22	7	Ludhiana 1	Alangir	489.066	28	7 in-situ	19	3		5
22	8	Ludhiana 1	Ayali Kalan	192.590	12	1 in-situ	5	7		
22	9	Ludhiana 1	Baddowal	93.663	8	1 in-situ	5	3		
23	0	Ludhiana 1	Bains	93.663	17	1 in-situ	14	3		
23	1	Ludhiana 1	Barewal Awana	41.842	1	1 in-situ	1			
23	2	Ludhiana 1	Berwala	155.708	3	3 in-situ	2			1
23	3	Ludhiana 1	Bhanohar	239.695	15	3 in-situ	12	1		2
23	4	Ludhiana 1	Bharoun Munna	231.497	4	5 in-situ	3			1
23	5	Ludhiana 1	Bhouna	0.547	0	1 in-situ				
23	6	Ludhiana 1	Bliga	392.174	1	6 in-situ	1			
23	7	Ludhiana 1	Bir Sahnewal	237.802	0	5 in-situ				
23	8	Ludhiana 1	Brainch	306.537	12	5 in-situ	3	3		6
23	9	Ludhiana 1	Bulara	32.328	1	1 in-situ	1			
24	0	Ludhiana 1	Chhandran	77.692	1	1 in-situ	1			
24	1	Ludhiana 1	Daba	3.047	0	1 in-situ				
24	2	Ludhiana 1	Dad	89.564	1	1 in-situ	1			
24	3	Ludhiana 1	Dakha	835.228	32	1 ex-situ	24			8
24	4	Ludhiana 1	Dawatwal	179.139	5	2 in-situ	5			
24	5	Ludhiana 1	Dhandari Kalan	0.202	1	1 in-situ	1			
24	6	Ludhiana 1	Dhandari Khurd	0.476	0	1 in-situ				
24	7	Ludhiana 1	Dhandra	537.912	23	1 ex-situ	18	5		
24	8	Ludhiana 1	Dholewal	0.121	0	1 in-situ				
24	9	Ludhiana 1	Dugri	0.071	6	1 in-situ	6			
25	0	Ludhiana 1	Dullay	192.408	9	2 in-situ	5	1		3
25	1	Ludhiana 1	Fatehpur	8.775	2	1 in-situ	2			
25	2	Ludhiana 1	Gahour	215.910	9	2 in-situ	3	6		
25	3	Ludhiana 1	Giaspur	8.502	5	1 in-situ	5			
25	4	Ludhiana 1	Gill	145.778	8	2 in-situ	3	5		
25	5	Ludhiana 1	Gobind Garh	2.915	0	1 in-situ				
25	6	Ludhiana 1	Haibowal Kalan	6.822	0	1 in-situ				
25	7	Ludhiana 1	Haibowal Khurd	0.557	0	1 in-situ				

7										
25	8	Ludhiana 1	Hammayu Pura	58.502	1	1 in-situ				1
25	9	Ludhiana 1	Hassanpur	190.930	10	2 in-situ	7			3
26	0	Ludhiana 1	Heeran	230.667	1	4 in-situ		1		
26	1	Ludhiana 1	Jamalpur Awana	0.891	1	1 in-situ	1			
26	2	Ludhiana 1	Jandialy	255.727	10	5 in-situ	4	6		
26	3	Ludhiana 1	Jawaddi	0.344	0	1 in-situ				
26	4	Ludhiana 1	Jhameri	117.854	0	2 in-situ				
26	5	Ludhiana 1	Jhammat	122.327	3	1 in-situ	3			
26	6	Ludhiana 1	Jhande	88.522	5	1 in-situ	5			
26	7	Ludhiana 1	Joglana	0.921	0	1 in-situ				
26	8	Ludhiana 1	Kail Pur	189.422	10	2 in-situ	4	5		
26	9	Ludhiana 1	Kaind	75.374	0	1 in-situ				
27	0	Ludhiana 1	Kanach	345.403	19	7 in-situ	10	9		
27	1	Ludhiana 1	Kangan Wal	14.544	0	1 in-situ				
27	2	Ludhiana 1	Karim Pur	200.819	0	1 in-situ				
27	3	Ludhiana 1	Katani Kalan	312.053	9	5 in-situ	7	1	1	
27	4	Ludhiana 1	Katani Khurd	195.566	1	4 in-situ	1			
27	5	Ludhiana 1	Khakat	10.293	0	1 in-situ				
27	6	Ludhiana 1	Kheri	215.495	16	4 in-situ	12			4
27	7	Ludhiana 1	Kohara	161.882	9	4 in-situ	3	6		
27	8	Ludhiana 1	Kotla	11.862	0	1 in-situ				
27	9	Ludhiana 1	Kulfi Wal	1.690	0	1 in-situ				
28	0	Ludhiana 1	Lalton Kalan	474.653	16	5 in-situ	9	4		3
28	1	Ludhiana 1	Lalton Khurd	121.497	18	1 in-situ	3	15		
28	2	Ludhiana 1	Ludhiana	0.658	0	1 in-situ				
28	3	Ludhiana 1	Luhara	31.052	4	1 in-situ	2			2
28	4	Ludhiana 1	Mahal Bagat	0.395	0	1 in-situ				
28	5	Ludhiana 1	Mahal Qila	0.030	0	1 in-situ				
28	6	Ludhiana 1	Mahal Rakh	2.389	0	1 in-situ				
28	7	Ludhiana 1	Mahal Rakh	1.275	0	1 in-situ				
28	8	Ludhiana 1	Mahmoodpura	33.563	0	1 in-situ				
28	9	Ludhiana 1	Malaja	93.441	6	2 in-situ	3	1		2

29	0	Ludhiana 1	Manakwal	22.712	1	1 in-situ	1			
29	1	Ludhiana 1	Mangli Nachi	23.077	4	1 in-situ	1	2		1
29	2	Ludhiana 1	Mangli Uchi	16.953	5	1 in-situ	2			3
29	3	Ludhiana 1	Mullan Pur	500.290	33	8 in-situ	18	7		8
29	4	Ludhiana 1	Mundian Kalan	15.447	7	1 in-situ	5			2
29	5	Ludhiana 1	Mundian Khurd	2.621	3	1 in-situ	2			1
29	6	Ludhiana 1	Nand Pur	35.556	0	1 in-situ				
29	7	Ludhiana 1	Pamal	587.861	28	8 in-situ	12	7		9
29	8	Ludhiana 1	Pamali	219.978	9	4 in-situ	2	7		
29	9	Ludhiana 1	Panglan	119.959	4	2 in-situ				4
30	0	Ludhiana 1	Pawa	36.791	0	1 in-situ				
30	1	Ludhiana 1	Phamra	0.628	1	1 in-situ	1			
30	2	Ludhiana 1	Phullan Wal	0.951	1	1 in-situ	1			
30	3	Ludhiana 1	Raj Pura	0.121	0	1 in-situ				
30	4	Ludhiana 1	Rangarh	212.084	10	4 in-situ	6			4
30	5	Ludhiana 1	Rania	169.685	3	3 in-situ	3			
30	6	Ludhiana 1	Sahnewal Kalan	315.565	7	6 in-situ	4	1		2
30	7	Ludhiana 1	Sahnewal Khurd	77.651	4	1 in-situ	2	2		
30	8	Ludhiana 1	Sango Wal	110.586	7	1 in-situ	6	1		
30	9	Ludhiana 1	Sarinh	254.968	4	4 in-situ	2	2		
31	0	Sidhwan Ber	Sherpur Kalan	0.567	30	1 in-situ	16	13		1
31	1	Ludhiana 1	Sherpur Khurd	1.002	0	1 in-situ				
31	2	Ludhiana 1	Sunet	8.127	1	1 in-situ	1			
31	3	Ludhiana 1	Tarf Barora	0.030	0	1 in-situ				
31	4	Ludhiana 1	Tarf Hassan	4.312	0	1 in-situ				
31	5	Ludhiana 1	Tarf Jamalwal	0.415	0	1 in-situ				
31	6	Ludhiana 1	Tarf Jodh	12.257	0	1 in-situ				
31	7	Ludhiana 1	Tarf Karabara	4.261	0	1 in-situ				
31	8	Ludhiana 1	Tarf Nau	0.294	0	1 in-situ				
31	9	Ludhiana 1	Tarf Piru	0.000	0	1 in-situ				
32	0	Ludhiana 1	Tarf Qazi	0.192	0	1 in-situ				
32	1	Ludhiana 1	Tarf Saldan	18.411	0	1 in-situ				
32	2	Ludhiana 1	Tarf Salem	0.253	0	1 in-situ				

2										
32	3	Ludhiana 1	Tarf Sekhewal	2.753	0	1 in-situ				
32	4	Ludhiana 1	Thakar Wal	68.006	15	1 in-situ	6	9		
32	5	Ludhiana 1	Tharee Ke	17.328	21	1 in-situ	6	15		
32	6	Ludhiana 2	Aafowal	151.224	0	2 in-situ	0	0	0	0
32	7	Ludhiana 2	Ayali Khurd	34.322	18	1 in-situ	17	1		
32	8	Ludhiana 2	Bagga Kalan	143.936	1	2 in-situ	1			
32	9	Ludhiana 2	Bagga Khurd	195.151	2	4 in-situ	2			
33	0	Ludhiana 2	Bahdrpur	104.574	4	2 in-situ	4			
33	1	Ludhiana 2	Bajra	52.257	8	1 in-situ		8		
33	2	Ludhiana 2	Ballewal	322.032	23	4 in-situ	14	9		
33	3	Ludhiana 2	Baran Hara	60.243	4	1 in-situ	4			
33	4	Ludhiana 2	Barewal Dogra	117.661	4	2 in-situ	4			
33	5	Ludhiana 2	Basimi	139.078	1	2 in-situ	1			
33	6	Ludhiana 2	Bhader Ke	60.313	8	1 in-situ	8			
33	7	Ludhiana 2	Bhagpur	260.596	7	6 in-situ	5	2		
33	8	Ludhiana 2	Bhaini Doaba	135.920	4	3 in-situ	4			
33	9	Ludhiana 2	Bhaini Gahi	140.465	6	2 in-situ	3			3
34	0	Ludhiana 2	Bhaini Keema	99.007	2	2 in-situ	2			
34	1	Ludhiana 2	Bhaini Nathu	175.232	9	4 in-situ	9			
34	2	Ludhiana 2	Bhaini Sallu	230.889	16	5 in-situ	14	2		
34	3	Ludhiana 2	Bhainiala Sahib	254.047	1	6 in-situ	1			
34	4	Ludhiana 2	Bhaman Kalan	489.299	9	1 ex-situ	9			
34	5	Ludhiana 2	Bhaman Khurd	211.972	7	4 in-situ	7			
34	6	Ludhiana 2	Bhamian Kalan	91.518	0	2 in-situ				
34	7	Ludhiana 2	Bhamian Khurd	0.314	0	1 in-situ				
34	8	Ludhiana 2	Bhattian Bet	31.427	1	1 in-situ	1			
34	9	Ludhiana 2	Bhattian Chak	246.608	9	5 in-situ	4	3		2
35	0	Ludhiana 2	Bhoda	12.348	0	1 in-situ				
35	1	Ludhiana 2	Bhola Pur	80.688	3	2 in-situ	1	2		
35	2	Ludhiana 2	Bholawal	142.054	0	3 in-situ				
35	3	Ludhiana 2	Bholawal Kadim	39.737	5	1 in-situ	5			
35	4	Ludhiana 2	Bhukhri Kalan	259.280	0	5 in-situ				

35	5	Ludhiana 2	Bhukhri Khurd	112.358	2	2 in-situ	2			
35	6	Ludhiana 2	Bhupana	145.202	5	2 in-situ	5			
35	7	Ludhiana 2	Birmi	285.099	32	3 in-situ	29			3
35	8	Ludhiana 2	Bloke	38.492	1	1 in-situ	1			
35	9	Ludhiana 2	Bonker Dogra	149.189	5	2 in-situ	5			
36	0	Ludhiana 2	Bonker Gujran	181.254	9	3 in-situ	4	5		
36	1	Ludhiana 2	Boont	108.795	0	2 in-situ				
36	2	Ludhiana 2	Booth Garh	231.557	12	4 in-situ	4	7		1
36	3	Ludhiana 2	Bora	75.485	2	1 in-situ	2			
36	4	Ludhiana 2	Bothgarh Banjara	116.113	0	2 in-situ				
36	5	Ludhiana 2	Budhewal	533.590	2	1 ex-situ	1			1
36	6	Ludhiana 2	Burj Lambra	93.269	2	1 in-situ				2
36	7	Ludhiana 2	Burj Man	82.196	0	1 in-situ				
36	8	Ludhiana 2	Burj Matwara	128.370	0	1 in-situ				
36	9	Ludhiana 2	Chagan	245.434	3	5 in-situ	3			
37	0	Ludhiana 2	Chahar	104.250	0	2 in-situ				
37	1	Ludhiana 2	Chak Dango	10.678	0	1 in-situ				
37	2	Ludhiana 2	Chak Kalan	381.850	28	8 in-situ	15	9		4
37	3	Ludhiana 2	Chak Sarwan	290.231	2	5 in-situ	2			
37	4	Ludhiana 2	Chhole	52.095	0	1 in-situ				
37	5	Ludhiana 2	Chuhar Pura	96.578	1	2 in-situ		1		
37	6	Ludhiana 2	Chunta	250.282	17	3 in-situ	11	5		1
37	7	Ludhiana 2	Charwal	175.920	3	2 in-situ	3			
37	8	Ludhiana 2	Dhanansu	290.221	24	6 in-situ	12	9		3
37	9	Ludhiana 2	Dheri	234.503	11	5 in-situ	2			9
38	0	Ludhiana 2	Dhola	113.714	2	3 in-situ	2			
38	1	Ludhiana 2	Dholan Wal	87.388	4	1 in-situ	3			1
38	2	Ludhiana 2	Fagla	175.485	7	3 in-situ	2	5		
38	3	Ludhiana 2	Fagu Wal	35.971	5	1 in-situ	4			1
38	4	Ludhiana 2	Fateh Garh	82.297	2	2 in-situ	2			
38	5	Ludhiana 2	Fateh Garh	197.468	3	4 in-situ	3			
38	6	Ludhiana 2	Fatehgarh Gujra	112.003	2	2 in-situ	2			
38	7	Ludhiana 2	Gadapur	79.746	1	1 in-situ	1			

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38	8	Ludhiana 2	Gadowal	340.716	3	6 in-situ	3		
38	9	Ludhiana 2	Garah	277.498	3	3 in-situ	3		
39	0	Ludhiana 2	Garcha	55.303	0	1 in-situ			
39	1	Ludhiana 2	Gari Fazil	44.666	3	1 in-situ	2		1
39	2	Ludhiana 2	Gari Seeru	51.315	0	1 in-situ			
39	3	Ludhiana 2	Gehilwal	67.631	3	1 in-situ	2		1
39	4	Ludhiana 2	Ghumait	219.928	12	2 in-situ	6		6
39	5	Ludhiana 2	Ghumana	153.258	18	3 in-situ	6	9	3
39	6	Ludhiana 2	Goind Wal	35.364	0	1 in-situ			
39	7	Ludhiana 2	Gons Garh	305.231	0	6 in-situ			
39	8	Ludhiana 2	Gonspur	211.274	0	3 in-situ			
39	9	Ludhiana 2	Gopal Pur	82.338	1	1 in-situ	1		
40	0	Ludhiana 2	Gopalpur	19.018	0	1 in-situ			
40	1	Ludhiana 2	Gorsian	51.700	0	1 in-situ			
40	2	Ludhiana 2	Gujjarwal Bet	89.787	4	1 in-situ	4		
40	3	Ludhiana 2	Hadwal	165.465	2	2 in-situ	1		1
40	4	Ludhiana 2	Haider Nagar	44.038	0	1 in-situ			
40	5	Ludhiana 2	Harian	67.236	1	1 in-situ		1	
40	6	Ludhiana 2	Hawas	237.063	16	4 in-situ	8	8	
40	7	Ludhiana 2	Hiyat Pura	176.639	3	4 in-situ	3		
40	8	Ludhiana 2	Husainpur Chote	13.573	0	1 in-situ			
40	9	Ludhiana 2	Isewal	479.795	29	7 in-situ	24	3	2
41	0	Ludhiana 2	Jagir Pur	18.340	2	1 in-situ	2		
41	1	Ludhiana 2	Jain Pur	51.579	0	1 in-situ			
41	2	Ludhiana 2	Jamal Pur	154.331	0	4 in-situ			
41	3	Ludhiana 2	Jasian	15.951	6	1 in-situ	3	3	
41	4	Ludhiana 2	Jaspal Kader	67.662	0	1 in-situ			
41	5	Ludhiana 2	Jwananpur	70.506	8	1 in-situ	5		3
41	6	Ludhiana 2	Jonewal	140.485	19	2 in-situ	5	9	5
41	7	Ludhiana 2	Jugian Bega	84.412	7	1 in-situ	1		6
41	8	Ludhiana 2	Jugian Kader	40.162	3	1 in-situ	2		1
41	9	Ludhiana 2	Kadlan	97.368	6	2 in-situ	3		3

420	Ludhiana 2	Kadiana Kalan	318.611	16	6 in-situ	7	9		
421	Ludhiana 2	Kadiana Khurd	189.756	1	4 in-situ	1			
422	Ludhiana 2	Kakka	44.281	3	1 in-situ	3			
423	Ludhiana 2	Kakowal	19.939	0	1 in-situ				
424	Ludhiana 2	Kalewal	69.079	0	1 in-situ				
425	Ludhiana 2	Kalk Kalan	51.022	5	1 in-situ	5			
426	Ludhiana 2	Kalis Khurd	56.012	3	1 in-situ	3			
427	Ludhiana 2	Kaneja	47.652	3	1 in-situ	3			
428	Ludhiana 2	Karika	66.417	0	1 in-situ				
429	Ludhiana 2	Kasabad	140.606	9	3 in-situ	9			
430	Ludhiana 2	Khanpur Bet	59.838	3	1 in-situ	3			
431	Ludhiana 2	Kharak	145.222	0	1 in-situ				
432	Ludhiana 2	Khasi Khurd	82.125	13	2 in-situ	9			4
433	Ludhiana 2	Khassi Kalan	601.626	20	1 ex-situ	8	10		2
434	Ludhiana 2	Khawaj Ke	136.457	0	2 in-situ				
435	Ludhiana 2	Khera	305.312	13	4 in-situ	3	10		
436	Ludhiana 2	Koom Kalan	797.677	19	1 ex-situ	15	4		
437	Ludhiana 2	Koom Khurd	499.481	4	1 ex-situ	1			3
438	Ludhiana 2	Kot Gangu	625.735	15	1 ex-situ	11	4		
439	Ludhiana 2	Kror	246.294	8	5 in-situ	8			
440	Ludhiana 2	Kutbewal Aralan	121.376	1	2 in-situ	1			
441	Ludhiana 2	Kutbewal Gujran	70.131	4	1 in-situ	4			
442	Ludhiana 2	Ladian Kalan	81.902	1	2 in-situ	1			
443	Ludhiana 2	Ladian Khurd	125.485	11	2 in-situ	7	4		
444	Ludhiana 2	Lakho Wal	111.953	6	2 in-situ	3	2		1
445	Ludhiana 2	Latodana	146.861	8	3 in-situ	3			5
446	Ludhiana 2	Latojogga	125.515	0	2 in-situ				
447	Ludhiana 2	Loduwal	24.544	5	1 in-situ	3	2		
448	Ludhiana 2	Machian Kalan	321.324	1	5 in-situ	1			
449	Ludhiana 2	Machian Khurd	103.653	3	2 in-situ	1			2
450	Ludhiana 2	Mahil Ghumana	115.941	2	2 in-situ	2			
451	Ludhiana 2	Majara Kalan	137.904	0	2 in-situ				
452	Ludhiana 2	Majra Khurd	41.376	0	1 in-situ				

2									
45	3	Ludhiana 2	Malikpur	87.165	7	1 in-situ	7		
45	4	Ludhiana 2	Mand Chaunta	107.196	4	2 in-situ	4		
45	5	Ludhiana 2	Mane Wal	29.929	2	1 in-situ	2		
45	6	Ludhiana 2	Mangarh	149.726	2	4 in-situ	2		
45	7	Ludhiana 2	Mangot	135.161	25	2 in-situ	18	4	3
45	8	Ludhiana 2	Mangli Kader	28.340	0	1 in-situ			
45	9	Ludhiana 2	Mangli Khas	49.230	3	1 in-situ	1		2
46	0	Ludhiana 2	Mangli Tanda	82.995	2	1 in-situ		2	
46	1	Ludhiana 2	Manj	24.251	0	1 in-situ			
46	2	Ludhiana 2	Marrawal	149.230	7	2 in-situ	3		1 3
46	3	Ludhiana 2	Matte Wara	196.335	0	2 in-situ			
46	4	Ludhiana 2	Meharban	31.538	1	1 in-situ	1		
46	5	Ludhiana 2	Mohlon	98.573	4	2 in-situ	4		
46	6	Ludhiana 2	Melawal	107.327	0	2 in-situ			
46	7	Ludhiana 2	Meu Wal	197.985	8	3 in-situ	8		
46	8	Ludhiana 2	Miani	301.931	21	4 in-situ	12	9	
46	9	Ludhiana 2	Nurpur Bet	663.538	43	7 in-situ	20	21	2
47	0	Ludhiana 2	Nurwala	59.990	15	1 in-situ	9	6	
47	1	Ludhiana 2	Paharuwal	112.013	8	3 in-situ	2	6	
47	2	Ludhiana 2	Partap Garh	154.675	5	3 in-situ	5		
47	3	Ludhiana 2	Partap Singh	17.733	2	1 in-situ	2		
47	4	Ludhiana 2	Pejeta	215.849	2	5 in-situ	2		
47	5	Ludhiana 2	Pirhipur	216.072	7	4 in-situ	7		
47	6	Ludhiana 2	Raipur Bet	200.029	2	4 in-situ	2		
47	7	Ludhiana 2	Raja Pur	5.486	12	1 in-situ	12		
47	8	Ludhiana 2	Rajoor	239.442	6	5 in-situ	3	2	1
47	9	Ludhiana 2	Rajowal	142.469	7	2 in-situ		7	
48	0	Ludhiana 2	Rajpura Dogra	13.714	0	1 in-situ			
48	1	Ludhiana 2	Ratangerh	284.674	7	5 in-situ	4		3
48	2	Ludhiana 2	Rawst	95.667	4	2 in-situ	4		
48	3	Ludhiana 2	Rayian	225.707	12	4 in-situ	10	2	
48	4	Ludhiana 2	Rour	51.872	0	1 in-situ			

48	5	Ludhiana 2	Sahib Wana	372.346	16	7 in-situ	9	7		
48	6	Ludhiana 2	Sange	166.831	0	2 in-situ				
48	7	Ludhiana 2	Sasrali	280.828	4	5 in-situ	3			1
48	8	Ludhiana 2	Satiyana	235.282	21	4 in-situ	10			11
48	9	Ludhiana 2	Satowal	278.288	1	4 in-situ	1			
49	0	Ludhiana 2	Seera	148.278	4	2 in-situ	4			
49	1	Ludhiana 2	Seeria	145.586	0	2 in-situ				
49	2	Ludhiana 2	Selkiana	293.895	2	6 in-situ	2			
49	3	Ludhiana 2	Shekhowa	90.708	2	1 in-situ	2			
49	4	Ludhiana 2	Slampur Bet	69.413	3	1 in-situ		3		
49	5	Ludhiana 2	Slampur Daha	150.576	6	2 in-situ	4	2		
49	6	Ludhiana 2	Sujat Wala	257.215	0	6 in-situ				
49	7	Ludhiana 2	Tajpur Bet	180.778	4	4 in-situ				4
49	8	Ludhiana 2	Talwandi Kalan	62.054	0	1 in-situ				
49	9	Ludhiana 2	Talwandi Khurd	79.736	1	1 in-situ	1			
50	0	Ludhiana 2	Talwara	138.248	1	1 in-situ	1			
50	1	Ludhiana 2	Togar	52.955	1	1 in-situ	1			
50	2	Ludhiana 2	Uppal	270.423	7	5 in-situ	6	1		
50	3	Ludhiana 2	Walipur	74.979	2	1 in-situ	2			
50	4	Machhiwar a	Adiana	197.732	9	5 in-situ	9			
50	5	Machhiwar a	Akal Garh	98.258	8	2 in-situ	3			5
50	6	Machhiwar a	Asalana	93.825	0	2 in-situ				
50	7	Machhiwar a	Bairsal Kalan	129.847	10	2 in-situ	4			6
50	8	Machhiwar a	Bairsal Khurd	121.052	2	2 in-situ	2			
50	9	Machhiwar a	Bellon	248.622	20	6 in-situ	13			7
51	0	Machhiwar a	Behlclour	425.696	8	1 ex-situ	6	2		
51	1	Machhiwar a	Bhagwan Pura	69.342	1	2 in-situ		1		
51	2	Machhiwar a	Bharma	267.174	19	6 in-situ	12			7
51	3	Machhiwar a	Bharthala	304.391	13	8 in-situ	4	6		3
51	4	Machhiwar a	Bhattian	212.185	4	4 in-situ	4			
51	5	Machhiwar a	Bhourala Bet	85.576	0	2 in-situ				
51	6	Machhiwar a	Billon	346.476	1	7 in-situ	1			
51	7	Machhiwar a	Bir Kokrala	75.313	0	2 in-situ				

7	a								
51	Machhiwar								
8	a	Bohapur	61.639	1	2 in-situ	1			
51	Machhiwar								
9	a	Bondii	209.116	16	4 in-situ	5	8		3
52	Machhiwar								
0	a	Bule Wal	73.765	2	1 in-situ	2			
52	Machhiwar								
1	a	Burj Kacho	204.806	4	6 in-situ	4			
52	Machhiwar								
2	a	Burj Paika	156.092	1	3 in-situ	1			
52	Machhiwar								
3	a	Burj Pawat	99.696	8	1 in-situ	2	6		
52	Machhiwar								
4	a	Burj Sher	69.291	1	1 in-situ	1			
52	Machhiwar								
5	a	Chak Lohat	150.313	2	3 in-situ	2			
52	Machhiwar								
6	a	Chak Shammu	76.710	0	2 in-situ				
52	Machhiwar								
7	a	Chaki	89.787	6	2 in-situ	2			4
52	Machhiwar								
8	a	Chakli Adli	70.070	11	1 in-situ	4	4		3
52	Machhiwar								
9	a	Chakli Kasib	133.359	0	2 in-situ				
53	Machhiwar								
0	a	Chakli Manga	77.894	19	1 in-situ	5			14
53	Machhiwar								
1	a	Chhaurian	107.348	15	2 in-situ	10			5
53	Machhiwar								
2	a	Chuhar Pur	269.593	8	6 in-situ	7	1		
53	Machhiwar								
3	a	Dhanda	150.748	0	3 in-situ				
53	Machhiwar								
4	a	Dhanur	120.910	17	3 in-situ	6			11
53	Machhiwar								
5	a	Dhue Wal	51.164	1	1 in-situ	1			
53	Machhiwar								
6	a	Dolut Pur	91.842	0	2 in-situ				
53	Machhiwar								
7	a	Dopana	114.544	0	3 in-situ				
53	Machhiwar								
8	a	Fateh Garh	148.036	4	3 in-situ	4			
53	Machhiwar								
9	a	Gahle Wal	127.570	0	3 in-situ				
54	Machhiwar								
0	a	Garhi Bet	139.868	5	3 in-situ	2			3
54	Machhiwar								
1	a	Garhi Sainan	88.137	0	2 in-situ				
54	Machhiwar								
2	a	Garhi Tarkhana	213.875	5	4 in-situ	2	3		
54	Machhiwar								
3	a	Geuns Garh	37.986	17	1 in-situ	16			1
54	Machhiwar								
4	a	Guru Garh	297.093	7	7 in-situ	7			
54	Machhiwar								
5	a	Hambo Wal	224.331	2	4 in-situ	2			
54	Machhiwar								
6	a	Harion Kalan	136.477	2	3 in-situ	2			
54	Machhiwar								
7	a	Harion Khurd	117.105	7	3 in-situ	7			
54	Machhiwar								
8	a	Hassan Pur	116.781	7	2 in-situ	4			3
54	Machhiwar								
9	a	Hedon Bet	165.859	18	4 in-situ	11	7		

550	Machhiwar a	Hedon Daha	365.109	0	9 in-situ				
551	Machhiwar a	Herian	260.828	7	6 in-situ	2	2		3
552	Machhiwar a	Hiyat Pur	63.593	0	1 in-situ				
553	Machhiwar a	Iraq	210.778	30	4 in-situ	23			7
554	Machhiwar a	Issa Pur	57.550	8	1 in-situ	4			4
555	Machhiwar a	Jallah Majra	120.019	1	3 in-situ	1			
556	Machhiwar a	Jasso Wal	160.697	6	3 in-situ	6			
557	Machhiwar a	Jatival	56.589	3	1 in-situ	2			1
558	Machhiwar a	Jewanpur	70.556	0	1 in-situ				
559	Machhiwar a	Jharaudi	66.498	2	2 in-situ	2			
560	Machhiwar a	Joch Wal	255.606	14	6 in-situ	5	2		7
561	Machhiwar a	Kakrala Kalan	205.626	6	4 in-situ	1	2		3
562	Machhiwar a	Kakrala Khurd	211.132	10	5 in-situ	4	6		
563	Machhiwar a	Kamalpur	78.967	0	1 in-situ				
564	Machhiwar a	Kaunke	204.675	0	4 in-situ				
565	Machhiwar a	Khanpur	70.070	6	1 in-situ	4	2		
566	Machhiwar a	Khanpur Mand	150.819	0	3 in-situ				
567	Machhiwar a	Khera	91.791	2	3 in-situ				2
568	Machhiwar a	Khirmian	454.572	17	1 ex-situ	13	4		
569	Machhiwar a	Khokran	402.882	0	8 in-situ				
570	Machhiwar a	Kotla Bet	122.337	13	2 in-situ	13			
571	Machhiwar a	Kotla Daha	526.151	0	1 ex-situ				
572	Machhiwar a	Kotla Shamaspur	221.264	3	5 in-situ	3			
573	Machhiwar a	Laban Garh	207.337	11	4 in-situ	11			
574	Machhiwar a	Labangarh Mand	152.104	0	3 in-situ				
575	Machhiwar a	Lakhawal Kalan	176.821	14	4 in-situ	12	2		
576	Machhiwar a	Lakhawal Khurd	148.612	4	3 in-situ	2			2
577	Machhiwar a	Loharian	71.447	2	2 in-situ	2			
578	Machhiwar a	Machhi Wara	197.651	18	4 in-situ	16			2
579	Machhiwar a	Machhiwara	1018.759	54	2 ex-situ	45	7		2
580	Machhiwar a	Mahidi Pur	125.384	3	3 in-situ	2			1
581	Machhiwar a	Majri Sikhian	113.633	0	2 in-situ				
582	Machhiwar a	Mal Majra	217.752	9	4 in-situ	4	5		

2	a								
58	Machhiwar								
3	a	Mand Fateh	81.427	0	2 in-situ				
58	Machhiwar								
4	a	Mand Jharaudi	57.075	1	1 in-situ	1			
58	Machhiwar								
5	a	Mand Jodhwal	214.725	2	6 in-situ	2			
58	Machhiwar								
6	a	Mand Sherian	63.653	0	1 in-situ				
58	Machhiwar								
7	a	Mandgauns Garh	98.137	0	2 in-situ				
58	Machhiwar								
8	a	Mane Wal	331.152	7	8 in-situ	7			
58	Machhiwar								
9	a	Milk Wal	102.580	3	3 in-situ	3			
59	Machhiwar								
0	a	Mitthe Wal	84.493	8	2 in-situ	5		3	
59	Machhiwar								
1	a	Mubank Pur	172.013	5	4 in-situ	5			
59	Machhiwar								
2	a	Mughle Wal	66.093	1	2 in-situ	1			
59	Machhiwar								
3	a	Musa Ferwal	123.967	0	3 in-situ				
59	Machhiwar								
4	a	Mushka Bad	444.248	27	1 ex-situ	26			1
59	Machhiwar								
5	a	Nilon Kalan	406.131	12	1 ex-situ	6	5		1
59	Machhiwar								
6	a	Nurpur	329.907	2	8 in-situ	1			1
59	Machhiwar								
7	a	Nurpur Mand/Bet	188.339	1	4 in-situ	1			
59	Machhiwar								
8	a	Pal Majra	118.188	8	3 in-situ	3		2	3
59	Machhiwar								
9	a	Panj Garain	85.445	6	2 in-situ	2	4		
60	Machhiwar								
0	a	Pawat	1037.281	32	2 ex-situ	24	5		3
60	Machhiwar								
1	a	Punian	268.885	6	5 in-situ	2	2		2
60	Machhiwar								
2	a	Rahima Bad	68.299	2	1 in-situ	2			
60	Machhiwar								
3	a	Rahima Bad	140.141	1	3 in-situ	1			
60	Machhiwar								
4	a	Raipur	79.170	1	2 in-situ	1			
60	Machhiwar								
5	a	Rajewal Jattan	107.003	5	2 in-situ	2			3
60	Machhiwar								
6	a	Rajewal Rajputtan	247.650	1	6 in-situ	1			
60	Machhiwar								
7	a	Rajgarh	260.980	5	5 in-situ	5			
60	Machhiwar								
8	a	Ramgarh Bet	84.180	4	2 in-situ	4			
60	Machhiwar								
9	a	Ranwan	201.173	11	5 in-situ	4	7		
61	Machhiwar								
0	a	Rattipur	300.454	15	8 in-situ	15			
61	Machhiwar								
1	a	Rod Majri	240.747	2	5 in-situ	2			
61	Machhiwar								
2	a	Rohla	289.421	5	6 in-situ	5			
61	Machhiwar								
3	a	Rure Wal	89.200	3	2 in-situ	2			1
61	Machhiwar								
4	a	Sadpur	78.006	0	2 in-situ				

615	Machhiwar a	Sainsawal Kalan	183.551	7	4 in-situ	7			
616	Machhiwar a	Sainsawal Khurd	97.287	0	2 in-situ				
617	Machhiwar a	Selana	95.090	3	1 in-situ	3			
618	Machhiwar a	Semaspur	87.418	4	2 in-situ	4			
619	Machhiwar a	Sarbatgarh	65.232	2	2 in-situ	2			
620	Machhiwar a	Seljo Majra	413.692	27	1 ex-situ	16	8		3
621	Machhiwar a	Sehtabgarh	128.997	3	3 in-situ	3			
622	Machhiwar a	Shehbaz Pur	64.787	0	2 in-situ				
623	Machhiwar a	Shergarh	113.835	14	3 in-situ	14			
624	Machhiwar a	Sherfan	95.212	9	2 in-situ	8			1
625	Machhiwar a	Sherpur Bet	658.022	29	1 ex-situ	19	7		3
626	Machhiwar a	Sihala	338.055	4	9 in-situ		4		
627	Machhiwar a	Sikanderpur	79.251	6	2 in-situ	4	2		
628	Machhiwar a	Sukhe Wal	117.773	1	2 in-situ	1			
629	Machhiwar a	Takhran	260.899	8	6 in-situ	6	2		
630	Machhiwar a	Tanda Jal	42.277	6	1 in-situ	3			3
631	Machhiwar a	Tanda Kalian	78.168	0	2 in-situ				
632	Machhiwar a	Tanda Khusal	65.202	2	1 in-situ	2			
633	Machhiwar a	Tandi	74.554	0	1 in-situ				
634	Machhiwar a	Taprian	182.175	1	4 in-situ	1			
635	Machhiwar a	Toderpur	337.103	16	1 ex-situ	13			3
636	Machhiwar a	Udhowal Kalan	139.908	12	3 in-situ	7	5		
637	Machhiwar a	Udhowal Khurd	304.290	5	6 in-situ	5			
638	Machhiwar a	Udhowal Mand	61.062	4	1 in-situ	4			
639	Machhiwar a	Uma	497.568	8	1 ex-situ	5	3		
640	Machhiwar a	Zulfgarh	56.518	3	1 in-situ	3			
641	Maloud	Alampur Chapra	174.290	1	3 in-situ	1			
642	Maloud	Baber Pur	219.735	19	4 in-situ	10	9		
643	Maloud	Ber Kalan	494.076	32	1 ex-situ	10	8		14
644	Maloud	Ber Khurd	542.810	1	1 ex-situ	1			
645	Maloud	Bhikhi Khatra	128.451	4	1 in-situ	4			
646	Maloud	Bir Haps	185.525	0	2 in-situ				
647	Maloud	Bunkara	225.484	2	3 in-situ				2

7									
64	8	Maloud	Chak Sihan	135.171	0	2 In-situ			
64	9	Maloud	Chapra	235.677	2	5 In-situ	2		
65	0	Maloud	Chomon	463.641	11	8 in-situ	3	8	
65	1	Maloud	Daulatpur	195.254	6	4 in-situ	6		
65	2	Maloud	Dhaul Kalan	325.545	3	6 in-situ	3		
65	3	Maloud	Dhaul Khurd	212.316	1	4 in-situ		1	
65	4	Maloud	Dudhal	452.851	11	7 in-situ	6	5	
65	5	Maloud	Gosal	281.790	11	5 in-situ	7	4	
65	6	Maloud	Jandali	348.135	24	6 in-situ	13	11	
65	7	Maloud	Jhammat	533.711	5	5 in-situ		5	
65	8	Maloud	Jirakh	211.578	0	4 in-situ			
65	9	Maloud	Jogi Majra	263.693	10	4 in-situ	2	5	3
66	0	Maloud	Kartarpur	133.572	0	2 in-situ			
66	1	Maloud	Kheri Somal	277.225	0	5 in-situ			
66	2	Maloud	Kila Hans	244.239	1	2 in-situ	1		
66	3	Maloud	Kishanpura	353.601	5	7 in-situ	1	4	
66	4	Maloud	Kuhli Kalan	318.429	3	4 in-situ	3		
66	5	Maloud	Kuhli Khurd	247.681	3	3 in-situ	3		
66	6	Maloud	Kulahr	404.886	12	5 in-situ	7		5
66	7	Maloud	Lasara Lakhawas	612.982	4	1 ex-situ	1	3	
66	8	Maloud	Lasara Pohlewas	203.187	1	5 in-situ	1		
66	9	Maloud	Lehal	248.804	12	5 in-situ	2	10	
67	0	Maloud	Madni Pur	268.227	10	5 in-situ	7	3	
67	1	Maloud	Maloudh Florian	248.581	14	3 in-situ	2	12	
67	2	Maloud	Malo Daud	123.967	7	2 in-situ	7		
67	3	Maloud	Mangewal	349.208	1	5 in-situ	1		
67	4	Maloud	Nanakpur	211.314	1	3 in-situ	1		
67	5	Maloud	Nizam Pur	253.895	6	4 in-situ	3	3	
67	6	Maloud	Pandher Kheri	391.182	1	8 in-situ	1		
67	7	Maloud	Patti Mange	81.042	2	2 in-situ	2		
67	8	Maloud	Rabbon Nichi	306.557	7	7 in-situ	7		
67	9	Maloud		197.964	21	4 in-situ	7	14	

68	0	Maloud	Ramgarh	512.446	15	7 in-situ	10	5		
68	1	Maloud	Raosiana	120.971	1	2 in-situ	1			
68	2	Maloud	Saharn Majra	410.392	17	9 in-situ	11	3		3
68	3	Maloud	Sekha	235.970	11	4 in-situ	5	6		
68	4	Maloud	Sihan Daud	275.798	27	5 in-situ	18	9		
68	5	Maloud	Sihar	1110.712	25	2 ex-situ	22	3		
68	6	Maloud	Sihora	427.841	13	7 in-situ	9	4		
68	7	Maloud	Sirhala/zulamgarh	751.331	13	1 ex-situ	10	3		
68	8	Maloud	Sohian	259.826	5	3 in-situ	4	1		
68	9	Maloud	Thei Bhaini	91.366	0	1 in-situ				
69	0	Maloud	Thei Lohara	140.151	0	2 in-situ				
69	1	Maloud	Timberwal	182.722	6	2 in-situ	3			3
69	2	Maloud	Uchi Daud	219.118	2	2 in-situ	2			
69	3	Maloud	Uksi	288.166	11	4 in-situ		10		1
69	4	Pakhowal	Aasi Kalan	809.003	19	8 in-situ	12	7		
69	5	Pakhowal	Aasi Khurd	78.390	1	1 in-situ	1			
69	6	Pakhowal	Akalgarh	117.783	14	3 in-situ	5	6		3
69	7	Pakhowal	Ballo Wal	353.257	20	5 in-situ	9	10		1
69	8	Pakhowal	Barhundi	813.780	24	2 ex-situ	12	6		3
69	9	Pakhowal	Bhaini Rora	187.286	1	4 in-situ	1			
70	0	Pakhowal	Bhrampur	452.507	6	1 ex-situ	6			
70	1	Pakhowal	Bihla	272.954	24	3 in-situ	10	11		3
70	2	Pakhowal	Burj Latan	443.914	16	7 in-situ	10			6
70	3	Pakhowal	Chaminda	277.083	3	5 in-situ	3			
70	4	Pakhowal	Chhapar	775.066	22	2 ex-situ	9	13		
70	5	Pakhowal	Chhokar	129.362	0	3 in-situ				
70	6	Pakhowal	Chupki	198.946	3	1 in-situ	3			
70	7	Pakhowal	Dagon	395.423	23	7 in-situ	17	3		3
70	8	Pakhowal	Dhal Pai	346.597	21	7 in-situ	13	5		3
70	9	Pakhowal	Dhalia	173.309	8	2 in-situ	5	3		
71	0	Pakhowal	Dharkot	577.800	15	1 ex-situ	4	8		3
71	1	Pakhowal	Dolo Kalan	100.517	6	2 in-situ	2	4		
71	2	Pakhowal	Dolo Khurd	349.178	3	6 in-situ	3			

2									
71	3	Pakhowal	Ghungrana	500.037	30	1 ex-situ	11	16	3
71	4	Pakhowal	Gujr Wal	830.521	19	1 ex-situ	16	3	
71	5	Pakhowal	Jand	259.270	16	6 in-situ	13		3
71	6	Pakhowal	Jarhtzull	135.748	8	2 in-situ		5	3
71	7	Pakhowal	Jessowal	433.671	8	4 in-situ	3		5
71	8	Pakhowal	Jodhan	405.615	23	6 in-situ	15	7	
71	9	Pakhowal	Juraha	412.366	4	6 in-situ	4		
72	0	Pakhowal	Kaile	225.282	3	3 in-situ	3		
72	1	Pakhowal	Kalakh	201.092	33	3 in-situ	19	10	4
72	2	Pakhowal	Kot Agga	155.637	3	3 in-situ	3		
72	3	Pakhowal	Latala	774.975	47	2 ex-situ	16	21	10
72	4	Pakhowal	Leel	395.423	3	8 in-situ	3		
72	5	Pakhowal	Loh Garh	160.475	12	2 in-situ	8	4	
72	6	Pakhowal	Maherna Kalan	372.832	19	6 in-situ	18		1
72	7	Pakhowal	Majara	79.149	0	2 in-situ			
72	8	Pakhowal	Mansuran	494.531	9	8 in-situ	3	6	
72	9	Pakhowal	Mazri	269.917	0	4 in-situ			
73	0	Pakhowal	Mehna Singh	90.759	6	1 in-situ	2		4
73	1	Pakhowal	Mehtab Garh	209.736	1	3 in-situ			1
73	2	Pakhowal	Nangal Kalan	392.629	7	8 in-situ	7		
73	3	Pakhowal	Nangal Khurd	323.915	2	7 in-situ	2		
73	4	Pakhowal	Narang Wal	387.872	4	5 in-situ	4		
73	5	Pakhowal	Pakhowal	677.374	22	2 ex-situ	19	2	1
73	6	Pakhowal	Phelewal	453.266	18	6 in-situ	9	7	2
73	7	Pakhowal	Raj Garh	344.117	0	7 in-situ			
73	8	Pakhowal	Rangu Wal	207.063	11	4 in-situ	9		2
73	9	Pakhowal	Rashin	1101.774	27	2 ex-situ	18	9	
74	0	Pakhowal	Ratan	172.539	6	3 in-situ		6	
74	1	Pakhowal	Sarabha	533.175	38	1 ex-situ	28	5	5
74	2	Pakhowal	Shahpur	201.234	4	4 in-situ	4		
74	3	Pakhowal	Shahzad	69.716	1	1 in-situ	1		
74	4	Pakhowal	Tunga Hari	552.881	7	1 ex-situ	1		6

74 5	Raikot	Achar Wal	496.384	8	1 ex-situ	2	5		1	
74 6	Raikot	Andloo	676.737	23	1 ex-situ	16	6		1	
74 7	Raikot	Barmi	404.724	14	8 in-situ	10	4			
74 8	Raikot	Barson	190.889	9	4 in-situ	6			3	
74 9	Raikot	Bassian	1323.635	28	2 ex-situ	15	5		8	
75 0	Raikot	Bhaini Baringan	466.920	8	7 in-situ	3	5			
75 1	Raikot	Bhaini Dareran	340.856	14	7 in-situ	5	8		1	
75 2	Raikot	Birjal	218.116	5	4 in-situ	4	1			
75 3	Raikot	Bopa Rai	382.113	5	1 ex-situ	5				
75 4	Raikot	Buraj Hari	505.037	16	1 ex-situ	11	5			
75 5	Raikot	Burj Hamiman	321.374	5	5 in-situ	5				
75 6	Raikot	Burj Nakkian	253.865	14	6 in-situ	4	4		6	
75 7	Raikot	Chak Bhaika	623.377	9	1 ex-situ	9				
75 8	Raikot	Chak Chhajawal	170.566	0	3 in-situ					
75 9	Raikot	Chhajawal	599.946	9	1 ex-situ	7	2			
76 0	Raikot	Dadhahoor	598.599	21	8 in-situ	6	8		7	
76 1	Raikot	Dhoorkot	416.344	4	1 ex-situ	4				
76 2	Raikot	Feru Rain	394.906	14	1 ex-situ	11	3			
76 3	Raikot	Gobind Garh	380.828	10	7 in-situ	9	1			
76 4	Raikot	Gond Wal	286.931	7	6 in-situ	7				
76 5	Raikot	Jalaidiwal	1183.535	63	2 ex-situ	47	3		13	
76 6	Raikot	Jett Pura	595.209	14	1 ex-situ	4	10			
76 7	Raikot	Jhordan	956.330	20	2 ex-situ	14	6			
76 8	Raikot	Johlan	1187.776	38	2 ex-situ	23	4		11	
76 9	Raikot	Kalsan	595.118	4	1 ex-situ	4				
77 0	Raikot	Kalsian	711.514	14	1 ex-situ	7	4		3	
77 1	Raikot	Kamal Pura	812.637	33	2 ex-situ	27	3		3	
77 2	Raikot	Kishan Garh	116.710	0	2 in-situ					
77 3	Raikot	Lamhe	568.397	11	1 ex-situ	11				
77 4	Raikot	Littar	231.456	11	3 in-situ	6	5			
77 5	Raikot	Lohat Baddi	943.476	20	2 ex-situ	14	6			
77 6	Raikot	Mohamad Pura	393.813	3	7 in-situ	3				
77 7	Raikot	Nathwal	725.360	20	1 ex-	13	7			

7					situ				
77	8	Raikot	Noor Pura	452.183	21	8 in-situ	11	7	3
77	9	Raikot	Raikot	2095.483	54	3 ex-situ	40	5	9
78	0	Raikot	Rajgarh	208.410	24	4 in-situ	12	12	
78	1	Raikot	Ramgarh Sivian	306.223	3	6 in-situ	1	2	
78	2	Raikot	Roopa Patti	316.476	2	5 in-situ	2		
78	3	Raikot	Sahjhanpur	248.743	0	4 in-situ			
78	4	Raikot	Satowal	250.585	1	4 in-situ	1		
78	5	Raikot	Seeloani	259.998	10	6 in-situ	10		
78	6	Raikot	Sehbaipura	595.958	22	1 ex-situ	10	3	9
78	7	Raikot	Shahid Garh	251.324	0	4 in-situ			
78	8	Raikot	Sukhana	200.991	0	3 in-situ			
78	9	Raikot	Tajpur	258.804	10	4 in-situ	5	5	
79	0	Raikot	Talwandi Rai	1140.195	23	2 ex-situ	12	5	3
79	1	Raikot	Umar Pura	143.865	2	3 in-situ	2		
79	2	Samrala	Ajlaud	201.365	3	5 in-situ	3		
79	3	Samrala	Baghaur	299.715	4	8 in-situ	4		
79	4	Samrala	Bagla	115.536	0	3 in-situ			
79	5	Samrala	Bagli Kalan	147.155	2	4 in-situ	2		
79	6	Samrala	Bagli Khurd	200.940	5	5 in-situ	5		
79	7	Samrala	Balala	199.614	6	5 in-situ	6		
79	8	Samrala	Bardhalan	64.747	0	2 in-situ			
79	9	Samrala	Bhanglan	164.786	8	4 in-situ	5	3	
80	0	Samrala	Bhourla	124.716	3	3 in-situ	3		
80	1	Samrala	Bhwgwan Pura	108.400	0	2 in-situ			
80	2	Samrala	Bijli Pur	139.776	0	3 in-situ			
80	3	Samrala	Bondal	194.472	5	5 in-situ	5		
80	4	Samrala	Bumb	184.199	6	4 in-situ	5		1
80	5	Samrala	Chahlan	250.778	19	5 in-situ	8	2	8
80	6	Samrala	Chak Mafi	157.975	7	4 in-situ	2		5
80	7	Samrala	Chak Raudi	69.898	1	1 in-situ	1		
80	8	Samrala	Chawa	40.394	0	1 in-situ			
80	9	Samrala	Deudpur	292.670	14	8 in-situ	3	11	

81 0	Samrala	Dhilwan	198.066	13	5 in-situ	11	2		
81 1	Samrala	Dhindsa	177.023	18	5 in-situ	6	9		3
81 2	Samrala	Dilaipura	175.556	7	5 in-situ	6			1
81 3	Samrala	Diwala	285.980	18	7 in-situ	5	4		9
81 4	Samrala	Gagra	119.746	6	3 in-situ	6			
81 5	Samrala	Gharkhana	164.169	15	4 in-situ	14			1
81 6	Samrala	Ghulal	405.746	7	1 ex-situ	3	4		
81 7	Samrala	Ghungrali Sikhan	357.275	8	1 ex-situ	4	4		
81 8	Samrala	Goslan	299.168	18	6 in-situ	9	3		6
81 9	Samrala	Harbars Pura	89.412	7	2 in-situ	7			
82 0	Samrala	Jallanpur	395.635	14	9 in-situ	11			3
82 1	Samrala	Kalal Majora	253.197	12	7 in-situ		12		
82 2	Samrala	Khatran	183.724	10	4 in-situ	6	2		2
82 3	Samrala	Khehra	155.070	6	3 in-situ	3			3
82 4	Samrala	Kotla Bhari	249.776	11	5 in-situ	11			
82 5	Samrala	Kube	171.588	7	3 in-situ	7			
82 6	Samrala	Kullewal	145.576	2	4 in-situ	2			
82 7	Samrala	Laddran	163.653	0	4 in-situ				
82 8	Samrala	Lal Kalan	159.129	21	4 in-situ	11	7		3
82 9	Samrala	Lalori/nolani	281.427	12	8 in-situ	3	9		
83 0	Samrala	Lopon	121.102	2	3 in-situ	2			
83 1	Samrala	Madpur	513.033	12	1 ex-situ	2	10		
83 2	Samrala	Majali Kalan	204.351	12	5 in-situ	9	3		
83 3	Samrala	Majali Khurd	199.391	4	5 in-situ	4			
83 4	Samrala	Mandiola Khurd	144.564	4	3 in-situ	3		1	
83 5	Samrala	Manki	637.071	10	2 ex-situ	5	5		
83 6	Samrala	Marnu Pur	616.464	29	1 ex-situ	15	7		7
83 7	Samrala	Mehdudan	221.881	7	3 in-situ		7		
83 8	Samrala	Mutton	287.255	0	8 in-situ				
83 9	Samrala	Nagra	203.592	1	5 in-situ	1			
84 0	Samrala	Neeion Khurd	106.153	1	2 in-situ	1			
84 1	Samrala	Ottlan	187.064	21	4 in-situ	12	4		5
			155.303	1	4 in-situ	1			

2										
84	3	Samrala	Purba	156.487	2	4 in-situ	2			
84	4	Samrala	Raje Wal	145.040	1	4 in-situ	1			
84	5	Samrala	Rampur Jhamiutti	94.078	0	2 in-situ				
84	6	Samrala	Ropalon	426.637	8	1 ex-situ	6	2		
84	7	Samrala	Rupa	121.285	3	3 in-situ	1			2
84	8	Samrala	Salaudi	418.479	22	1 ex-situ	6	16		
84	9	Samrala	Samrala	280.960	6	6 in-situ	5			1
85	0	Samrala	Sangat Pura	180.930	2	4 in-situ	2			
85	1	Samrala	Sarwar Pur	321.628	17	7 in-situ	7	8		2
85	2	Samrala	Seh	413.418	13	1 ex-situ	13			
85	3	Samrala	Sham Garh	83.947	3	2 in-situ	3			
85	4	Samrala	Shamshpur	403.631	15	1 ex-situ	7	7		1
85	5	Samrala	Tam Kaudi	116.851	4	3 in-situ	4			
85	6	Sidhwan Bet	Abbupura	645.836	24	1 ex-situ	11	13	0	0
85	7	Sidhwan Bet	Ahangran	111.376	0	2 in-situ				
85	8	Sidhwan Bet	Akkawal	48.957	1	1 in-situ	1			
85	9	Sidhwan Bet	Aliwal	254.148	2	4 in-situ	1			1
86	0	Sidhwan Bet	Amargarh Kaler	264.037	7	4 in-situ	5	2		
86	1	Sidhwan Bet	Baghian	62.712	6	1 in-situ	6			
86	2	Sidhwan Bet	Bangsi Pura	277.316	12	6 in-situ	8	4		
86	3	Sidhwan Bet	Bania Wal	131.113	5	2 in-situ	5			
86	4	Sidhwan Bet	Barsal	637.061	9	1 ex-situ	4	5		
86	5	Sidhwan Bet	Basian Bet	444.015	14	1 ex-situ	4	10		
86	6	Sidhwan Bet	Bhadar Ke	131.932	2	3 in-situ	2			
86	7	Sidhwan Bet	Bhaini Arsyian	273.480	15	6 in-situ	3	12		
86	8	Sidhwan Bet	Bhaini Gujran	170.272	1	3 in-situ	1			
86	9	Sidhwan Bet	Bharowal Kalan	595.563	22	1 ex-situ	15	7		
87	0	Sidhwan Bet	Bharowal Khurd	304.107	4	5 in-situ	4			
87	1	Sidhwan Bet	Bhatha Dhuan	241.901	13	4 in-situ	13			
87	2	Sidhwan Bet	Bhumal	495.867	6	1 ex-situ	6			
87	3	Sidhwan Bet	Bhundri	1426.702	49	3 ex-situ	29	18		2
87	4	Sidhwan Bet	Birk	609.004	21	2 ex-situ	16	3		2

87 5	Sidhwan Bet	Bodalwala	154.979	3	4 in-situ	3			
87 6	Sidhwan Bet	Buzrag	346.526	2	8 in-situ	2			
87 7	Sidhwan Bet	Dhothar	215.748	5	5 in-situ	5			
87 8	Sidhwan Bet	Fatehgarh Siwian	341.425	2	6 in-situ	2			
87 9	Sidhwan Bet	Gag Kalan	150.647	1	3 in-situ	1			
88 0	Sidhwan Bet	Galib Kalan	1274.132	52	2 ex- situ	41	8		1
88 1	Sidhwan Bet	Ghalib Ran	284.533	6	4 in-situ	5	1		
88 2	Sidhwan Bet	Ghalib Ran	348.500	0	4 in-situ				
88 3	Sidhwan Bet	Ghamanewal	159.635	3	3 in-situ	3			
88 4	Sidhwan Bet	Ghunewal	194.746	3	5 in-situ	2			1
88 5	Sidhwan Bet	Gidderwindi	910.298	22	2 ex- situ	13	9		
88 6	Sidhwan Bet	Gorahoor	166.193	18	3 in-situ	18			
88 7	Sidhwan Bet	Gorsian Kadar	356.475	7	6 in-situ	6			1
88 8	Sidhwan Bet	Gorsian Khan	350.494	1	6 in-situ	1			
88 9	Sidhwan Bet	Gorsian Makhan	358.510	2	8 in-situ	2			
89 0	Sidhwan Bet	Hambran	695.160	15	1 ex- situ	8	7		
89 1	Sidhwan Bet	Hayate Wala	33.208	0	1 in-situ				
89 2	Sidhwan Bet	Huzra	46.083	0	1 in-situ				
89 3	Sidhwan Bet	Jandi	610.715	25	1 ex- situ	10	8		7
89 4	Sidhwan Bet	Janet Pura	220.737	7	5 in-situ	4			1
89 5	Sidhwan Bet	Kakar/Tihara	643.953	19	1 ex- situ	17			2
89 6	Sidhwan Bet	Kanjan Huseni	619.723	6	1 ex- situ	6			
89 7	Sidhwan Bet	Katwal	100.900	0	1 in-situ				
89 8	Sidhwan Bet	Khanjar Wal	174.301	4	4 in-situ	4			
89 9	Sidhwan Bet	Khudai Chak	277.589	16	7 in-situ	9	7		
90 0	Sidhwan Bet	Kiri	296.132	7	7 in-situ	7			
90 1	Sidhwan Bet	Kot Mana	305.828	4	5 in-situ	4			
90 2	Sidhwan Bet	Kot Umra	453.256	2	1 ex- situ	2			
90 3	Sidhwan Bet	Kotli	243.197	20	3 in-situ	12			8
90 4	Sidhwan Bet	Kurshedpura	128.177	0	2 in-situ				
90 5	Sidhwan Bet	Leehan	168.946	1	3 in-situ	1			
90 6	Sidhwan Bet	Leelan	828.558	40	2 ex- situ	23	17		
90 9	Sidhwan Bet	Lodhwala	506.545	13	1 ex- situ	3	9		1

7	Bet				situ					
90	Sidhwan									
8	Bet	Madar Pura	311.901	6	8 in-situ	1	5			
90	Sidhwan									
9	Bet	Madhe Pur	312.154	8	6 in-situ	8				
91	Sidhwan									
0	Bet	Malshian Bajari	450.503	15	1 ex-situ	10	5			
91	Sidhwan									
1	Bet	Malshian Bhaike	298.865	4	6 in-situ	4				
91	Sidhwan									
2	Bet	Manbarpura	171.477	4	4 in-situ	4				
91	Sidhwan									
3	Bet	Mand Tihara	382.194	7	8 in-situ	4			3	
91	Sidhwan									
4	Bet	Maniawal	92.095	1	2 in-situ	1				
91	Sidhwan									
5	Bet	Mazri	461.374	15	1 ex-situ	15				
91	Sidhwan									
6	Bet	Morkreema	172.175	6	4 in-situ	6				
91	Sidhwan									
7	Bet	Parjion Biharipur	243.602	5	5 in-situ	5				
91	Sidhwan									
8	Bet	Patti Mullani	147.044	10	3 in-situ	4			6	
91	Sidhwan									
9	Bet	Pona	349.563	27	1 ex-situ	22			5	
92	Sidhwan									
0	Bet	Pursin	1027.686	23	2 ex-situ	16	6		1	
92	Sidhwan									
1	Bet	Ramgarh	303.146	10	6 in-situ	5	5			
92	Sidhwan									
2	Bet	Ranike	267.984	6	5 in-situ	6				
92	Sidhwan									
3	Bet	Rasul Pur	504.602	2	1 ex-situ	2				
92	Sidhwan									
4	Bet	Rauwal	654.500	42	2 ex-situ	37	5			
92	Sidhwan									
5	Bet	Sadar Pura	371.364	8	8 in-situ	8				
92	Sidhwan									
6	Bet	Safipura	359.593	2	8 in-situ	2				
92	Sidhwan									
7	Bet	Sangatpura	304.310	10	6 in-situ	6	4			
92	Sidhwan									
8	Bet	Sawadi Kalan	1357.775	81	3 ex-situ	50	11		20	
92	Sidhwan									
9	Bet	Sehbajpura	93.643	4	2 in-situ	1			3	
93	Sidhwan									
0	Bet	Sekh Dault	519.562	11	1 ex-situ	5	3		3	
93	Sidhwan									
1	Bet	Sekh Kutab	250.403	0	5 in-situ					
93	Sidhwan									
2	Bet	Sher Pur	685.755	4	1 ex-situ				4	
93	Sidhwan									
3	Bet	Sherwala	57.388	0	1 in-situ					
93	Sidhwan									
4	Bet	Sherpur Khurd	365.119	31	6 in-situ	19	12			
93	Sidhwan									
5	Bet	Sidhwan Bet	817.363	27	2 ex-situ	12	11		4	
93	Sidhwan									
6	Bet	Sidhwan Kalan	524.875	27	1 ex-situ	18	9			
93	Sidhwan									
7	Bet	Slampura	799.620	29	2 ex-situ	18			11	
93	Sidhwan									
8	Bet	Sodhiwala	104.372	0	2 in-situ					
93	Sidhwan									
9	Bet	Swadi Khurd	136.457	7	3 in-situ	5	2			

940	Sidhwan Bet	Talwandi Kalan	628.579	20	1 ex-situ	14	6				
941	Sidhwan Bet	Talwandi Khurd	419.086	27	7 in-situ	20	7				
942	Sidhwan Bet	Talwandi Noabad	126.497	0	2 in-situ						
943	Sidhwan Bet	Talwara	270.990	15	5 in-situ	5	10				
944	Sidhwan Bet	Tapar Hamian	130.050	0	3 in-situ						
945	Sidhwan Bet	Taraf Kotli	171.740	2	4 in-situ	2					
946	Sidhwan Bet	Walipur Kalan	469.106	18	8 in-situ	18					
947	Sidhwan Bet	Walipur Khurd	385.929	6	5 in-situ	6					
948	Sudhar	Abu Wai	383.469	24	8 in-situ	18				6	
949	Sudhar	Aitfiana	631.788	34	1 ex-situ	11	11			12	
950	Sudhar	Akalgarh	336.810	14	6 in-situ	4	10				
951	Sudhar	Bopa Rai	751.352	33	2 ex-situ	22	10			1	
952	Sudhar	Budhel	118.026	0	2 in-situ						
953	Sudhar	Ghuman	137.712	6	3 in-situ	6					
954	Sudhar	Halwara	1138.019	35	2 ex-situ	26	3			6	
955	Sudhar	Heran	519.875	32	1 ex-situ	19	7			6	
956	Sudhar	Hissawal	334.178	9	7 in-situ	4	2			3	
957	Sudhar	Jangpur	425.210	6	8 in-situ	6					
958	Sudhar	Jassawal	367.660	2	8 in-situ	2					
959	Sudhar	Khandoor	413.914	34	8 in-situ	21	5			8	
960	Sudhar	Mohi	1033.931	42	3 ex-situ	30	11			1	
961	Sudhar	Rajoana Kalan	537.335	19	1 ex-situ	5	6			8	
962	Sudhar	Rajoana Khurd	311.395	15	6 in-situ	4	5			6	
963	Sudhar	Raqba	597.304	30	1 ex-situ	15	11			4	
964	Sudhar	Rattowal	260.170	13	5 in-situ	10	3				
965	Sudhar	Rurka	528.175	12	1 ex-situ	4	8				
966	Sudhar	Sahouli	685.927	28	2 ex-situ	20	8				
967	Sudhar	Sudhar	411.678	26	1 ex-situ	12	8			6	
968	Sudhar	Toosa	188.531	16	3 in-situ	10	6				
969	Sudhar	Tugal	462.345	28	1 ex-situ	10	14			4	
			256800.233	8223	3019	5351	2019	23		829	1
		Exsitu Demand (Baler Rake set)		212							
		Insitu demand		2807							

	Total	3019
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Hotspot Villages:

S no	Name of Hotspot Village	Block	Total Fire Instances	Machines available
1	Rasul Pur	Jagraon	34	54
2	Malha	Jagraon	30	31
3	Hathur	Jagraon	30	44
4	Bassian	Raikot	30	28
5	Manuke	Jagraon	21	29
6	Kaonke Kalan	Jagraon	19	92
7	Dahila	Jagraon	18	19
8	Chhajjowal	Raikot	18	9
9	Lohat Baddi	Raikot	17	20
10	Jalaadriwal	Raikot	17	63
11	Nathowal	Raikot	16	20
12	Roomi	Jagraon	15	23
13	Kamal Pura	Raikot	15	33
14	Jhordan	Raikot	15	20
15	Sawadi Kalan	Sidhwan Bet	15	81
16	Hans Kalan	Jagraon	13	33
17	Rashin	Pakhowal	13	27
18	Dhoorkot	Raikot	13	4
19	Galib Kalan	Sidhwan Bet	13	52
20	Barde Ke	Jagraon	12	9
21	Lakha	Jagraon	12	46
22	Gobind Garh	Raikot	12	10
23	Kalsian	Raikot	12	14
24	Abbupura	Sidhwan Bet	12	24
25	Chiman	Jagraon	11	7
26	Akhara	Jagraon	11	26
27	Chak Bhaika	Raikot	11	9
28	Johlan	Raikot	11	38
29	Talwandi Rai	Raikot	11	23
30	Sahouli	Sudhar	11	28


 Member Secretary
 Punjab Pollution Control Board
 Patiala.

Plan for Ex-Situ Management of Paddy Straw in 2024

Details of Industries Using Paddy Straw Based Biomass as Fuel/Feed Stock

Name of the District : Ludhiana

Details of the Industries					
#	Industry Category	Name of Industry/Entity	Quantity of paddy straw required per annum (in thousand tonnes)	Status	
1	CBG Plant	Ludhiana RNG Private Limited, Swaddi Khaas, Teh. Jagraon, Ludhiana	40	Upcoming	
2	CBG Plant:	Gala Neo Energy Pvt. Ltd., Sub Tehsil Sidhwan Bet, Ludhiana	4	Upcoming	
3	CBG Plant	FARM GAS	15	Operational	
4	Fuel based industries - Boilers	Sharmanji Spinning Mill, Ludhiana	1	Unit will be commissioned in August 2024	

5	Fuel based Industries - Boilers	Pruthi International Pvt. Ltd. Village Kotgangu Rai, H.B. NO. 210, Sub Tehsil Koom Kalan, Ludhiana	4.8	Unit will be commissioned Dec, 2024.
6	Fuel based Industries - Boilers	K.D. Fabrics Pvt. Ltd., VPO Kohara, Ludhiana	12	Unit will be commissioned in 3rd week of Feb, 2024
7	Fuel based Industries - Boilers	Swami Textiles Pvt. Ltd., Village Rampur, Tehsil Payal, Ludhiana	2.1	Commissioned
8	Fuel based Industries - Boilers	A.P. Refinery, Village Tappar Harrian, Tehsil Jagraon, District Ludhiana	30	Commissioned
9	Fuel based Industries - Boilers	Satkar Paper Mills, Village Humbran, Tehsil Ludhiana West, District Ludhiana	50	Unit will be commissioned in April, 2024
10	Fuel based Industries - Boilers	S.N. Paper Mills, Village Mannawal, Tehsil Ludhiana West, District Ludhiana	30	Commissioned

11	Fuel based industries - Boilers	N.K. Paper Mill, Village Gaunspur, Tehsil Ludhiana West, District Ludhiana	20	Commissioned
12	Fuel based industries - Boilers	Harisar Paper, Village Dhanansu, Tajpur Road, Ludhiana	8	Commissioned
13	Fuel based industries - Boilers	Punjab Paper Mills, Village Gaunspur, Tehsil Ludhiana West, District Ludhiana	14	Commissioned
14	Fuel based industries - Boilers	Sharmaji Yarn (Pvt. Ltd.), Village Lakhowal, Near Kohara, Ludhiana	6	Unit has been commissioned
15	Fuel based industries - Boilers	SANJIV OILS & FATS (KHANNA)	10	Operational
16	Fuel based industries - Boilers	SANJAY SOLVEX PVT LTD	20	Operational
17	Fuel based industries - Boilers	Viva Chem Intermediates Pvt. Ltd., Industrial Focal Point, Raikot, Ludhiana	24	Proposed and under consideration by the industry Unit will be commissioned in one year.

39	Pelletization unit	Ecotan Bio Fuels Pvt. Ltd., Village Lehra Ludhiana	5	Operational
40	Brick Kiln	Aggarwal Brick Works, Village Jandiali, Chandigarh Road, Ludhiana	0.1008	Operational
41	Brick Kiln	Ahmedgarh Construction Company, Vill Barwala,	0.1026	Operational
42	Brick kiln	Amit Brick Works, Vill Rampur, Chandigarh Road, Ludhiana	0.1026	Operational
43	Brick Kiln	Ashok Kumar & B.K.O., Vill Babarpur, Maloudh, Payal Road, Tehsil Payal, Ludhiana	0.1026	Operational
44	Brick Kiln	Avtar Singh Mann B.K.O, Vill Barwala, District Ludhiana	0.1026	Operational

45	Brick Kiln	Baba Farid (BKO), Village Ramgarh Sardara, Tehsil Payal, Ludhiana	0.072	Operational
46	Brick Kiln	Batta Brick Field, Vill Jagera, Tehsil Payal, Ludhiana	0.09	Operational
47	Brick Kiln	Billa Brick Field, Vill Rampur, Barwala Link Near Chandigarh Road, Ludhiana	0.1026	Operational
48	Brick Kiln	Birdi Brick Company, Vill Katani Kalan, Ludhiana	0.18	Operational
49	Brick Kiln	Daba BKO Katani Kalan, Ludhiana	0.09	Operational
50	Brick Kiln	Guru Ram Dass Brick Industry Village Jandiali, Chandigarh Road, Ludhiana	0.18	Operational
51	Brick Kiln	H.M Brick Works Village Jandiali, Sahnewal, Kohara Link Road, Ludhiana	0.072	Operational

52	Brick Kiln	Harjas Ram Garg BKO, Vill Bhairmunna,	0.1026	Operational
53	Brick Kiln	Inderjit Singh BKOKatani Kalan, Near Neelon Doraha Road, Ludhiana Ludhiana	0.09	Operational
54	Brick Kiln	J. Mittal Brick WorksVillage Panglian, Heeran, Chandigarh Road,Ludhiana	0.1026	Operational
55	Brick kiln	Jai Durga Brick Field, Vill Rampur, Barwala, Link Road,Ludhiana	0.09	Operational
56	Brick Kiln	Jai Shri Bala Ji BKO, Vill Timberwal,	0.18	Operational
57	Brick Kiln	Kaira Gram Udyog Samiti, Vill Katani Kalan, Ludhiana	0.1026	Operational
58	Brick Kiln	Kewal Krishan & Co. BKOVill Kattani Kalan, Opp. LCET Cig, Chandigarh Road, Ludhiana	0.1026	Operational

59	Brick Kiln	Kohara Bricks (Old Name Raja Garm Udyog Samt) VPO Rampur, Barwala, Tehsil Payal Ludhiana	0.18	Operational
60	Brick Kiln	Lajpat Rai BKO, Katani Kalan, Chandigarh Road Ludhiana	0.1026	Operational
61	Brick Kiln	Longowalia Bko VIII Chorno, Tehsil Payal Ludhiana	0.0936	Operational
62	Brick Kiln	Mann & Company VIII Katani Kalan, Backside Katana Gurdawara Sahib, Ludhiana	0.09	Operational
63	Brick Kiln	Mann Brick Field (Formerly Shingara Singh Mann BKO), VIII Jandiali, Kohara Road, Ludhiana	0.09	Operational
64	Brick Kiln	P.S Brick Company, VIII Barwala,	0.09	Operational

65	Brick Kiln	Prem Singh BKOVill Bishanpura, Tehsil Payal, Doraha Road, Ludhiana	0.108	Operational
66	Brick Kiln	R-S Brick Kiln, VIII Chandran, Katani Kalan, Ludhiana	0.1026	Operational
67	Brick Kiln	Ranjit Singh Co. BKO, VIII Bhatromunna,	0.18	Operational
68	Brick Kiln	Rur Singh & Sons VIII Katani Kalan, Chandigarh Road, Ludhiana	0.18	Operational
69	Brick Kiln	S.S Jagdev BKOVill Rampur, Chandigarh Road, Ludhiana	0.0972	Operational
70	Brick Kiln	Sanjeev Brick FieldVPO Latton Joga, Chandigarh Road, Ludhiana	0.1026	Operational
71	Brick Kiln	Sh. Ganesh B.K.O, VIII Chomo, tehsil Payal, Ludhiana	0.1026	Operational

72	Brick Kiln	Sharma BrickKatani Kalan, Chandigarh Road, Ludhiana	0.09	Operational
73	Brick Kiln	Sukhdev Singh BKO Vill. Shahpur, Tehsil Payal, Dohara Road, Ludhiana	0.18	Operational
74	Brick kiln	Sukhija Brick WorksVPO Barwala, Rampur, Ludhiana	0.1026	Operational
75	Brick Kiln	Tara Singh BkoVill Bhikki Khatra, Tehsil Payal, Ludhiana	0.054	Operational
76	Brick Kiln	Tarun Kumar Soni BKO VPO Payal, Tehsil Payal, Ludhiana	0.1026	Operational
77	Brick Kiln	Tejinder Singh & Co. Vill Rampur, Tehsil Payal, Ludhiana	0.1026	Operational
78	Brick Kiln	The Pannu Brick Gram Udyog Samiti Vill Sihora Nazampur, Tehsil Payal, Ludhiana	0.1044	Operational

79	Brick Kiln	Vishwakarma BKO, Vill Sahnewal, Ludhiana	0.09	Operational
80	Brick Kiln	Surjan Bricks Works,VPO Bishanpura, Tehsil Payal,Ludhiana	0.0972	Operational
81	Brick Kiln	Amar Nath & Co. Vill. Bagji Kalan, Teh. Samrala, Distt. Ludhiana	0.18	Operational
82	Brick Kiln	K.K Brick Works Earlier Amit Gram Udyog Samiti Vill. Khatra, Ludhiana	0.18	Operational
83	Brick Kiln	Balala Brick Works Vill. Balala, Tehsil Samrala, Ludhiana	0.18	Operational
84	Brick Kiln	Balwant Rai Bko Vill. Dharour, Sahnewal, Ldh.	0.18	Operational
85	Brick Kiln	Malwa Brick earlier Bhullar Brick Udyog Samiti Vill. Chakmani Teh. Samrala	0.18	Operational

86	Brick Kiln	Dashmesh Bricks Works Vill. Kubba, Samrala, Ludhiana	0.18	Operational
87	Brick Kiln	Dashmesh Gram Udyog Samiti Vill Kalat Majra, Samrala, Ludhiana	0.18	Operational
88	Brick Kiln	Deepak Brick Co; Vill. Umaidpur, Sahnewal	0.216	Operational
89	Brick Kiln	Dharam Brick Works V.P.O Dhindsa, Tehsil Samrala, Ludhiana	0.18	Operational
90	Brick Kiln	Dharminder Kumar B.K.O. Vill.L. Bagli Kalan, Samrala	0.216	Operational
91	Brick Kiln	Garg BKO Vill.Jalianpur, Tehsil Samrala, Ludhiana	0.108	Operational
92	Brick Kiln	I.S. Jagdev BKO Vill. Balala, Tehsil Samrala, distt. Ludhiana	0.09	Operational

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93	Brick Kiln	Inderjeet Singh & Sons Lapon, Tehsil Samrala, Ludhiana	0.18	Operational
94	Brick Kiln	J.J. Brick Works (L/o Dashmesh Brick Works) VPO Madpur, Tehsil Samrala, Ludhiana	0.18	Operational
95	Brick Kiln	J.K. Brick Co., Nandpur, Sahnewal, Ldh.	0.18	Operational
96	Brick Kiln	J.S Bricks vill Ottallan The Samrala, Ludhiana	0.18	Operational
97	Brick Kiln	Jagir Singh Bachan Singh Vill. Bardhaian, Samrala, Ludhiana	0.18	Operational
98	Brick Kiln	JASWANT SINGH HUNDAL BKO, VILLAGE DHAROUR, SAHNEWAL, LUDHIANA	0.216	Operational

99	Brick Kiln	Jorawar Briks Co. (Previously Name P.P.P. Gram Udyog Samiti) Vill. Khera, Tehsil Samrala, Ludhiana	0.18	Operational
100	Brick Kiln	Jorawar, BKO Vill Lal Kalan, P.O. Kubbe, Tehsil Samrala	0.18	Operational
101	Brick Kiln	Khullar & Co. BKO Ghalewal Tehsil Samrala, Ludhiana	0.18	Operational
102	Brick Kiln	Kishori Lal Tandon BKO Vill. Chawa, Tehsil Samrala, distt. Ludhiana	0.18	Operational
103	Brick Kiln	Kuldip Rai Khullar Vill. Bondli, Samrala, Ludhiana	0.18	Operational
104	Brick Kiln	Kulwant Rai Puri BKO Village Bir The Sahnewal, Ludhiana	0.18	Operational

105	Brick kiln	M.H. Brick Works Vill. Lapon, Tehsil Samrala, Ludhiana	0.18	Operational
106	Brick Kiln	M.K. Bricks (Previously M/s Naveen Gram Udyog Samiti Vill. Kube, SAMRALA, Ludhiana	0.18	Operational
107	Brick Kiln	Mandeep Puri & Co Previously Garcha & co Village Pawa Tehsil & Distt. Ludhiana	0.216	Operational
108	Brick Kiln	Mann Brick Field Vill.Sahnewal	0.216	Operational
109	Brick Kiln	New Brick Kiln Co. Village Bagli Kalan Ludhiana.	0.18	Operational
110	Brick Kiln	Pardeep Chopra BKC, Village Khattran Tehsil Samrala, Ludhiana	0.216	Operational
111	Brick kiln	Parmeet Singh BKO Vill. Kubbey, Tehsil Samrala	0.216	Operational

112	Brick Kiln	Puran Chand Tangri Vill. Pawa, G.T. Road, Ldh.	0.216	Operational
113	Brick Kiln	R.K. Brick INDS. VILL. Hedon TEH. Samrala	0.18	Operational
114	Brick Kiln	Raj Brick Field Vill. Rajgarh, Ldh.	0.18	Operational
115	Brick Kiln	Sandhu Bricks Bko Vill. Rajgarh, Ldh.	0.18	Operational
116	Brick kiln	Sanjeev Brick Works VILL. Kubbey, Tehsil Samrala, Ludhiana	0.18	Operational
117	Brick kiln	Santosh Aggarwal Bko Vill. Umaldpur, Sahnewal	0.216	Operational
118	Brick kiln	Satwant Kaur Bharara & Co, VPO Sahnewal, Kohara Road Ludhiana	0.18	Operational
119	Brick Kiln	Sharma Brick Field Co. Vill. Pawa, Sahnewal, Ldh.	0.18	Operational
120	Brick Kiln	Shri Ganesh BKO Boundli, Ludhiana	0.162	Operational

121	Brick Kiln	Shri Ganesh Gram Udyog Samiti Village Ghalewal, Samrala, Ludhiana	0.18	Operational
122	Brick Kiln	Sihala Brick Kiln Village Sihala, Tehsil Samrala, Ludhiana	0.18	Operational
123	Brick Kiln	The Friends Gram Udyog Samiti (Regd) Majra Road, Sahnewal, Ldh.	0.216	Operational
124	Brick Kiln	The Sukhdeep Brick Gram Udyog samiti BKO, Vill Kotla Bhari, Tehsil Samrala, Ludhiana	0.18	Operational
125	Brick Kiln	UNITED BRICK WORKS, VILLAGE BALALA, TEHSIL SAMRALA	0.216	Operational
126	Brick Kiln	Inderjit Singh Tejinder Singh BKO, VPO Rampur, Tehsil Payal, Ludhiana	0.09	Operational


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127	Brick Kiln	Shingara Singh Mann BKO, VPO Jandiala, Ludhiana	0.09	Operational
128	Brick kiln	Trikal Bricks (Previously Dashmesh Gram Udyog Samiti), Vill Rupalon, tehsil Samrala, Ludhiana	0.216	Operational
129	Brick Kiln	Jorawar Brick Kiln, Village Balala, Tehsil Samrala, Distt Ludhiana	0.18	Operational
130	Brick Kiln	Ram Prakash Krishan Kumar BKO, Village sahani, G.T. Road, Sahnewal, Ludhiana	0.162	Operational
131	Brick Kiln	Nav Bharat Brick Works, Vill Kala Majra, Tehsil Samrala, Distt. Ludhiana	0.18	Operational

132	Brick Kiln	Satish Kumar BKO, Vill Mullanpur, Tehsil Payal, Ludhiana	0.216	Operational
133	Brick Kiln	A.P. Brick BKO, Village, Raqqba, Tehsil Jagraon, Distt. Ludhiana	0.216	Operational
134	Brick Kiln	Ajit Brick Works, Village Gahour, Ferozepur Road, District Ludhiana.	0.216	Operational
135	Brick Kiln	Baba Nand Singh Brick Works, VPO Sherpur Kalan, Tehsil Jagraon, Distt. Ludhiana	0.144	Operational
136	Brick Kiln	Darsh Bricks Company, Raikot Road, Tehsil Jagraon, Distt. Ludhiana	0.09	Operational
137	Brick Kiln	Guru Nanak Brick Industry, VPO Kaunke Kalan, tehsil Jagraon, Distt. Ludhiana	0.18	Operational

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138	Brick Kiln	H.N. Brick formerly known as Janta Bricks, Village & VPO Kaunke Kalan, tehsil Jagraon, Distt. Ludhiana	0.09	Operational
139	Brick Kiln	Kaunke Brick Field, Kaunke Kalan, Tehsil Jagraon, Distt. Ludhiana	0.216	Operational
140	Brick Kiln	Krishan Chand Brick Kiln, Raikot Road, Tehsil Jagraon, Distt. Ludhiana	0.216	Operational
141	Brick Kiln	Jaswant Singh Malkit Singh, Vill. Sherpur Kalan, Jagraon, Ludhiana	0.09	Operational
142	Brick Kiln	Lekh Raj BKO, Vill. Mullainpur, Ludhiana.	0.216	Operational
143	Brick Kiln	Malkit Singh & Brothers, VPO Sujapur, Jagraon, Ludhiana.	0.09	Operational

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144	Brick Kiln	Manik Bricks Works BKO, Raikot Road, Jagraon, Ludhiana.	0.216	Operational
145	Brick Kiln	Manjit Singh & Co. VPO Sujanpur, Tehsil Jagraon, Distt. Ludhiana	0.216	Operational
146	Brick Kiln	National Brick Works, Raikot Road, Jagraon, Ludhiana.	0.09	Operational
147	Brick Kiln	Pawan Kumar, VPO Hathur, Jagraon, Ludhiana.	0.09	Operational
148	Brick Kiln	Prem Kumar Om Parkash, Village Manuke, Tehsil Jagraon, Ludhiana	0.09	Operational
149	Brick Kiln	Ram Kumar Aggarwal BKO, Vill. Kaipur, Distt. Ludhiana.	0.216	Operational
150	Brick Kiln	Shere Punjab Brick Kiln, Vill Deharka, District Ludhiana.	0.216	Operational

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151	Brick Kiln	Shree Guru Kirpa BKO (Old name Guru Kirpa Brick Field) Vill. Hathur, Barnala Road, Distt. Ludhiana	0.09	Operational
152	Brick Kiln	S.R. Bricks Centre (Previously Dashmesh Gram Udyog Samiti), Vpo Gallb Kalan, Jagroan, Ludhiana	0.144	Operational
153	Brick Kiln	Aggarwal Brick Co., Vill. Jarkhar, Ludhiana.	0.216	Operational
154	Brick Kiln	Aggarwal Brick Kiln, Vill. Toosa, Raikot, Ludhiana.	0.216	Operational
155	Brick Kiln	Aggarwal Brick Works, Vill. Dalay, Alamgir, Ldh.	0.099	Operational
156	Brick Kiln	Aggarwal Bricks Works, Vill. Butahari, Ludhiana.	0.216	Operational
157	Brick Kiln	Ajaib Singh BKO, VPO Barundi, Ludhiana.	0.09	Operational


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158	Brick kiln	Akal Brick Kiln, VPO Bhutta, Ludhiana	0.0099	Operational
159	Brick Kiln	Amrit Brick Works, Village Hassanpur, Ludhiana	0.09	Operational
160	Brick Kiln	Ankush Aggarwal & Co. (Earlier Kishan Lal & Co.), Village Rurka, Ludhiana.	0.216	Operational
161	Brick Kiln	Arora Bricks, Raikot Road, Village Binjal, Ludhiana.	0.216	Operational
162	Brick Kiln	Arun Kumar Aggarwal BKO, Vill. Sarhni, Malerkotla Road, Ludhiana.	0.36	Operational
163	Brick Kiln	Ashok Kumar Aggarwal BKO, VPO Bhutta, Ludhiana.	0.216	Operational
164	Brick Kiln	Ashok Kumar Vijay Kumar, Vill. Dehlon, Ldh.	0.09	Operational

165	Brick Kiln	Baldev Singh & Sons, VIII. Baraich, Tehsil Raikot, Ludhiana	0.18	Operational
166	Brick Kiln	Ball Bricks, Raqba, Ludhiana.	0.216	Operational
167	Brick Kiln	Bhangoo Gram Udyog Samiti, Vill. Rurka, Ludhiana.	0.216	Operational
168	Brick Kiln	Bharat Bricks, Village Rajona Khurd, Raikot, Ludhiana	0.18	Operational
169	Brick Kiln	Bhupinder Singh & Co., VIII.Latala, Ludhiana.	0.216	Operational
170	Brick Kiln	Bir Singh & Co., Vill. Chapper, Ludhiana.	0.216	Operational
171	Brick Kiln	Burj Hakima Gram Udyog Samiti, Burj Hakima, Ludhiana	0.216	Operational
172	Brick Kiln	Charan Singh & Sons, Village Rajoaa Kalan, Ludhiana	0.216	Operational
173	Brick Kiln	Dashmesh brick Kiln Co., Village Heran, raikot, Ludhiana	0.09	Operational

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174	Brick Kiln	Dashmesh Brick Works, Village Dehlon, Ludhiana.	0.216	Operational
175	Brick Kiln	Davinder Singh BKO, Village Dalley, Ludhiana.	0.216	Operational
176	Brick Kiln	Davinder Singh BKO, Vill. Dhapai, Ludhiana.	0.216	Operational
177	Brick Kiln	Dhillon Brick Works, VPO Jartuali, Ludhiana	0.216	Operational
178	Brick Kiln	Ekta BKO, Barnala Raiket Road, Vpo Gobindgarh, District Ludhiana	0.0072	Operational
179	Brick Kiln	Fine Bricks, Vill Bhutta, Ludhiana.	0.216	Operational
180	Brick Kiln	G.D Bricks, VPO Mukandpur, Ludhiana	0.0099	Operational
181	Brick Kiln	Goyal Brothers Bko Vill. Mansooran, Ludhiana.	0.216	Operational
182	Brick Kiln	Gurdeep Pal Singh BKO, VPO Khattri Choharam, Ludhiana	0.216	Operational

183	Brick Kiln	Gurdial Singh & Sons. Village Barundi, Tehsil Raikot, Ludhiana	0.216	Operational
184	Brick Kiln	Guru Govind Singh Brick Ind., Binjal, Raikot, Ludhiana.	0.18	Operational
185	Brick Kiln	Guru Nanak Brick Works VIII, Bhutta, Ludhiana	0.216	Operational
186	Brick Kiln	Guru Nanak Gram Udyog Samiti Vill. Jangpur, Ludhiana.	0.099	Operational
187	Brick Kiln	Harbans Lal & Sons, Village Baddowal, Ludhiana	0.216	Operational
188	Brick kiln	Harpreet Singh B.K.O, VIII Bhanour, Ludhiana	0.18	Operational
189	Brick Kiln	Hira Sons Brick Factory, Kila Raipur, Ludhiana.	0.216	Operational
190	Brick kiln	J & B Bricks, VPO Kila Raipur, Ludhiana.	0.09	Operational

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191	Brick Kiln	Jagdeep Singh BKO, Village Beela, Ludhiana.	0.216	Operational
192	Brick Kiln	Jai Shankar & Co., Vill Rajgarh, Near Pakhawal, Ludhiana.	0.216	Operational
193	Brick Kiln	Jai Shankar Brick Works, Vill. Paddi, Ludhiana	0.216	Operational
194	Brick Kiln	Jain Bansal & Co, Vill. Kila Raipur, Dehlon Ludhiana	0.09216	Operational
195	Brick Kiln	Jasmer Singh BKO, VPO Jodhan, Ludhiana.	0.099	Operational
196	Brick Kiln	Jindal & Co., Vill. Sayan Kalan, Near Kilan Raipur, Ludhiana	0.072	Operational
197	Brick Kiln	K.D. Brick Works, Vill Ghwaddi, Ludhiana.	0.18	Operational
198	Brick Kiln	K.D. Brick Works, Vill. Gopalpur, Ludhiana.	0.216	Operational
199	Brick Kiln	Khela Brick Kiln Dehlon Road, Raikot, Ludhiana.	0.216	Operational
200	Brick Kiln	Kirat Bko Vill, Jand, Raikot	0.09	Operational

201	Brick Kiln	Krishan Chand Aggarwal & Sons Vill. Satowal, Raikot, Ludhiana.	0.216	Operational
202	Brick Kiln	Kaldeep Kumar Jindal Bko Vill. Kaind, M.K. Road, Ldh.	0.099	Operational
203	Brick Kiln	Lekh Ram Sood & Co., Vill. Bhutta, Ludhiana	0.216	Operational
204	Brick Kiln	Luxmi Brick Industries Vill. Rurka, Sahnewal, Dehlon Road, Ludhiana.	0.0099	Operational
205	Brick Kiln	Maal Rani Brick Co., Village Jartauli, Dehlon, Ludhiana.	0.18	Operational
206	Brick Kiln	Mahavir Brick Works Vill. Sayan Kalan, Ludhiana.	0.18	Operational
207	Brick Kiln	Moga Brick Works, Vpo Dehlon	0.09	Operational
208	Brick Kiln	National Brick Co. Village Sarinh, Ludhiana.	0.216	Operational

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209	Brick Kiln	Nirmal Singh Bko Vill. Seelo Kalan, Ludhiana.	0.216	Operational
210	Brick Kiln	Nohar Chand & Sons, Village Hamaunpura, Ludhiana.	0.216	Operational
211	Brick Kiln	Noorpuria Bricks, Village Kheri, Ludhiana.	0.216	Operational
212	Brick Kiln	Om Brick Works, Village Hussanpur, Distt. Ludhiana	0.216	Operational
213	Brick Kiln	Panesar Bko Vill. Mansooran, Ludhiana.	0.0099	Operational
214	Brick Kiln	Prem Lal Bko Vill. Sahrtnh, Ludhiana.	0.216	Operational
215	Brick Kiln	Puri Vadhera Enterprises, Village Guram, Ludhiana.	0.216	Operational
216	Brick Kiln	Quality Brick Co., Vill. Jassowal, Ludhiana.	0.216	Operational
217	Brick Kiln	Rajmeet Singh and Company BKO, Sarnh, Ludhiana	0.216	Operational

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218	Brick Kiln	Rama Brick Works, VIII. Ranglan, Ludhiana.	0.216	Operational
219	Brick Kiln	Rattan Chand Gupta BKO, Village Gobindgarh, Tehsil Raikot, Ludhiana.	0.09	Operational
220	Brick Kiln	Ravinder Puri & Co. VIII. Kalakh, Dehlon, Ludhiana.	0.216	Operational
221	Brick Kiln	Rita Brick Field, Village Khanpur, Ludhiana.	0.216	Operational
222	Brick Kiln	S.A. Bricks Kiln, (Previously Known as Ishwar Brick Kiln), Village Pamali, Ludhiana.	0.216	Operational
223	Brick Kiln	S.B. Bricks Gram Udyog Samiti, Village Pamal, Ludhiana.	0.216	Operational
224	Brick Kiln	Sahu Brick Company, Village Butari, Dehlon, Ludhiana	0.09	Operational

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OFFICE OF THE DEPUTY COMMISSIONER, FAZILKA
ਜਿਲ੍ਹਾ ਪ੍ਰਬੰਧਕੀ ਕੰਪਲੈਕਸ, ਫਾਜ਼ਿਲਕਾ।

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No.:- PPCB/2239

Date:- 8/1/2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04-07-2024

In regard to above, the information sought vide above reference letter pertaining to this office is as under:-

Sr. No.	Information and data required	Reply
4	a) Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management along with details regarding the quantity of paddy straw to be used in each industrial unit. b) Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023.	a) There is one biomass power plant in the District namely M/s Dee Development Engineer (P) Ltd., Vill. Gadha Dhab, Abohar Block, Distt. Fazilka (utilization capacity of paddy straw @ 70,000 TPA). Another unit M/s Sampuran Agri Venture Limited, Village Paincha Wali, Tehsil & Distt. Fazilka (utilization capacity of paddy straw @ 15,000 TPA) power generation unit. The Industries have its own machinery for removal of straw from the fields and transportation as well as storage area. Further, there are 04 number board mills and 02 no. pelletization plants (utilization capacity of paddy straw @ 35,000 TPA) and they have made arrangements at their own for collection & storage of paddy straw. M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, District Ferozepur is procuring paddy straw @ 30,000 TPA from the District Fazilka. b) There is no unit which is engaged in usage of paddy straw as fuel in their boiler. Further, meetings were held with Dairy units and Industrial Association for utilization of paddy

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	c) Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.	straw in their boilers. c) The brick kilns are being checked on regular basis w.r.t. mandatory usage of at least 20% of paddy straw pellets as fuel.
5	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of bailers and rakers in each district.	<p>There are 05 no. paddy straw storage industrial units in the district at Village Gadha Dhab, Paincha Wali, Jalalabad, Karni Khara and Ghallu.</p> <p>Further, there are 05 numbers aggregator of paddy straw in the District, as under:-</p> <ol style="list-style-type: none"> 1. M/s Dee Development Engineer (P) Ltd. 2. M/s Sampuran Agri Venture Limited 3. M/s Sukhbir Agro Energy Limited 4. Naresh Kumar, Village Bareka, Tehsil & Distt. Fazilka. 5. Sandeep Nagpal, Village Kikarwala Rupa, Tehsil & Distt. Fazilka. <p>67 Number of bailer & rakes are in the district for ex-situ management of paddy straw.</p> <p>In Fazilka total cultivable area is 248000 Ha. During last year area under horticulture 38000 Ha, area under other crops 22000 ha, area under paddy 100000 Ha (70000 Ha basmati and 30000 Ha paddy), area under cotton crop was 92000 Ha. Last year due to loss in cotton crop now farmers shifted to paddy, moong & other crops. That's why more CRM machines (In addition to already available 5954 CRM machines) are needed to tackle this problem. During this year 1307 applications applied under CRM scheme.</p> <p>There are 26 gaushalas in district Fazilka & nearby gaushalas of Rajasthan where 25000 tonnes basmati straw will be used as fodder purpose. but for making straw bales to supply gaushala department has no availability of bailer+rake & tractor-trolley. So kindly provide funds for the gaushala to purchase & transportation cost of 15 bailer+rake & 30 tractor-trolley.</p>


 Deputy Commissioner,
 Fazilka


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225	Brick Kiln	Sai Gram Udyog Samiti Vill. Padddi, Ludhiana.	0.216	Operational
226	Brick Kiln	Sat Parkash Bko Vill. Kila Raipur, Ludhiana.	0.18	Operational
227	Brick Kiln	Sat Prakesh & Co., Village & Post Office Jodhan, Ludhiana.	0.108	Operational
228	Brick Kiln	Satish Kumar & Co., Village Bhutta, Ludhiana.	0.216	Operational
229	Brick Kiln	Shahi Brick Works, VPO Kwartra Chomon, Ludhiana	0.216	Operational
230	Brick Kiln	Shekha Garg Bko Vill. Kheri, Ludhiana	0.216	Operational
231	Brick Kiln	Shiv Bko Vill. Rurka, Ludhiana.	0.099	Operational
232	Brick Kiln	Shiva Brick Works, VIII Pandori, Ludhiana	0.18	Operational
233	Brick Kiln	Shivagya Brick Works, Village Burj Hakimian, Tehsil Raikot Distt. Ludhiana	0.09	Operational

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234	Brick Kiln	Shree Krishna Brick Works, Village Lalton, Ludhiana.	0.216	Operational
235	Brick Kiln	Shri Ganesh BKO Village Bhutta, Ludhiana	0.216	Operational
236	Brick Kiln	Shri Krishana Udyog BKO, VPO Raqba, Jagraon, Ludhiana.	0.216	Operational
237	Brick Kiln	Shri Krishna BKO, VPO Guram, District Ludhiana.	0.216	Operational
238	Brick Kiln	Shri Krishna Brick Works, VPO Pandori, Ludhiana.	0.36	Operational
239	Brick Kiln	Sidhu & Co. Bko Vill Raqba, Ludhiana	0.216	Operational
240	Brick Kiln	Sidhu & Sons BKO, Village Ghuman, District Ludhiana.	0.0099	Operational
241	Brick Kiln	Sita Ram & Co. BKO, Vill. Chungarna, Ludhiana	0.216	Operational

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242	Brick Kiln	Sobha Gram Udyog Samiti, Vill. Gondwal Raikot, Ludhiana	0.216	Operational
243	Brick Kiln	Sukhindra Gram Udyog, Nurpura, Ludhiana	0.216	Operational
244	Brick Kiln	Super Bricks, Vill. Rajaona, Ludhiana.	0.09	Operational
245	Brick Kiln	Suresh Kumar Aggarwal BKO, Vill Dangora, Khanpur, Ldh.	0.216	Operational
246	Brick Kiln	Surinder Pal Singh BKO, Vill. Bhanohar, Ludhiana	0.216	Operational
247	Brick Kiln	Surjit Singh BKO, Village Dolon Khurd, Ludhiana.	0.216	Operational
248	Brick Kiln	Sushil Kumar Surinder Kumar Singla BKO, Village Gopalpur, Ludhiana.	0.216	Operational
249	Brick Kiln	Tikka Singh Bimal Kumar BKO, Village Pohir, District Ludhiana.	0.0099	Operational

250	Brick Kiln	Yogeshi Brick Works, Vill. Sayan Kalan, Ludhiana.	0.18	Operational
251	Brick Kiln	Super Brick Kiln Gram Udyog Samiti, Village Rahoun, Khanna	0.18	Operational
252	Brick Kiln	Sohi Brick Works (Previously Sohi Gram Udyog Samiti), Vill. Chak Sarai, Teh. Khanna, Distt. Ludhiana	0.0072	Operational
253	Brick Kiln	Shiv BKO, Vill. Jalajan, Khanna, Ludhiana	0.108	Operational
254	Brick Kiln	Satluj Bricks Industry, Vill. Bhamaddi, Khanna, Ludhiana	0.18	Operational
255	Brick Kiln	Ranikeshwar Brick Works (old name Shree Ganesh Gram Udyog Samiti Bko), Vill. Ikolaha, Khanna	0.216	Operational
256	Brick Kiln	National Brick Traders, Village Rasulara, Khanna	0.18	Operational

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257	Brick Kiln	Medan Brick Fields, VPO Ghanguralli Rajputan, Khanna, Ludhiana	0.126	Operational
258	Brick Kiln	Longowalia BKO, Vill. Nasralli, Khanna, Distt. Ludhiana	0.144	Operational
259	Brick Kiln	Friends Bko, Vill. Ikolaha, Khanna, Ludhiana	0.18	Operational
260	Brick Kiln	Darshan Singh BKO, Old Name Durga Parsad B.K.O., Vill. Ramgarh, Khanna, Ludhiana	0.144	Operational
261	Brick Kiln	Asian Brick kiln, Vill. Ishanpur, Khanna	0.18	Operational
262	Brick Kiln	Aggarwal BKO, Turmani, Khanna	0.18	Operational
			332.12	

ਪੈੜੀ ਸਟਰਾਅ (ਭੋਨੇ ਦੀ ਪਰਾਲੀ) ਨੂੰ ਸਟੋਰ ਕਰਨ ਲਈ ਪਿੰਡਾਂ ਦੀਆਂ ਸ਼ਾਮਲਾਤ ਜਮੀਨਾਂ ਦੀ ਸਨਾਖਤ ਕਰਨ ਸਬੰਧੀ ਰਿਪੋਰਟ

ਜ਼ਿਲ੍ਹਾ ਲੁਧਿਆਣਾ

ਅਗਸਤ-2023

ਲੜੀ ਨੰ:	ਬਲਾਕ ਦਾ ਨਾਮ	ਗ਼ਰਾਮ ਪੰਚਾਇਤ ਦਾ ਨਾਮ	ਥਕਣਾ (ੲ-ਕ-ਮ)	ਕਿਸਮ ਕਾਮ
1	ਲੁਧਿਆਣਾ-1	ਹੰਬੜੀ	1-0-0	
2	ਲੁਧਿਆਣਾ-1	ਲਾਡੋਵਾਲ	0-6-0	
3	ਲੁਧਿਆਣਾ-2	ਛਲੀਏਵਾਲ	6-0-0	
4	ਲੁਧਿਆਣਾ-2	ਮਿਆਣੀ	3-0-0	
5	ਜਗਰਾਓ	ਗ਼ਾਲਿਬ ਕਲਾ	1-0-0	
6	ਸਿੰਧਵਾਂ ਭੇਟ	ਧੌਰਤ	4-0-0	
7	ਸਿੰਧਵਾਂ ਭੇਟ	ਭੁੰਦਰੀ	2-0-0	
8	ਸਿੰਧਵਾਂ ਭੇਟ	ਭੇਟੀ ਅਰਾਈਆਂ	5-0-0	
9	ਸਿੰਧਵਾਂ ਭੇਟ	ਗ਼ੋਰਸੀਆਂ	10-0-0	
10	ਸਿੰਧਵਾਂ ਭੇਟ	ਆਲੀਵਾਲ	4-0-0	
11	ਸਿੰਧਵਾਂ ਭੇਟ	ਪੁਰੋਣ	2-0-0	
12	ਖੰਨਾ	ਘਗਗਲੀ ਰਾਜਪੁਰੀ	4-3-0	
13	ਖੰਨਾ	ਨਰਾਇਣਗੜ੍ਹ	10-0-0	
14	ਖੰਨਾ	ਰਾਜੇਵਾਲ	2-0-0	ਭੋਨੇ ਦੇ ਕੱਲ
15	ਖੰਨਾ	ਮੀਂਤਿਆਲਾ	2-0-0	ਚਕੀ ਦੇ ਨਾਲ
16	ਸ਼ਾਹਰ	ਹਲਕਾਰਾ	6-0-0	
17	ਰਾਏਕੋਟ	ਭੇਟੀ ਬਰਿੰਗੀ	25-0-0	
18	ਰਾਏਕੋਟ	ਜਲਾਲਦੀਵਾਲ	9-0-0	
19	ਰਾਏਕੋਟ	ਜੀਲਿਆਣੀ	5-0-0	
20	ਰਾਏਕੋਟ	ਤਲਵੰਡੀ, ਰਾਏ	8-0-0	
21	ਰਾਏਕੋਟ	ਭੁਰਜ ਹਰੀ ਸਿੰਘ	8-0-0	
22	ਰਾਏਕੋਟ	ਤਾਜਪੁਰ	1-0-0	
23	ਰਾਏਕੋਟ	ਜੰਟਪੁਰਾ	0-3-0	
24	ਮਲੋਦ	ਮਦਨੀਪੁਰ	3-0-0	
25	ਦੇਰਾਹਾ	ਰਾਮਪੁਰ	2-0-0	
26	ਦੇਰਾਹਾ	ਸੁਲਤਾਨਪੁਰ	6-0-0	
27	ਦੇਰਾਹਾ	ਕੋਲ	3-0-0	
28	ਦੇਰਾਹਾ	ਕੋਟਲਾ ਅਫਗਾਨਾ	4-0-0	
29	ਦੇਰਾਹਾ	ਰੋਟੀ	4-0-0	
30	ਦੇਰਾਹਾ	ਜਰਗ	3-0-0	
31	ਦੇਰਾਹਾ	ਅਤੇਬਾ	3-0-0	
32	ਦੇਰਾਹਾ	ਅਲੂਣਾ ਮਿਆਨਾ	3-0-0	
33	ਦੇਰਾਹਾ	ਫਾਜ਼ਗੜ੍ਹ	2-0-0	
			151-4-0	



Punjab Pollution Control Board



Regional Office-IV, 3rd Floor, Savitri Complex-1 (Dada Motors), Dholewal Chowk, G.T. Road, Ludhiana.

Phone No. -0161-2540450

www.ppcb.org.in

E-mail: eero4ldh@gmail.com

No. 626-94

Through email

Date 22/04/2024

To

1. A.P. Refinery,
Village Tapar Harnia,
Jagraon.
2. Satkar Paper Mills,
Village Humbran,
Ludhiana
3. S.N. Paper Mills,
Village Hambran,
Ludhiana.
4. Sanjiv Oils & Fats,
Focal Point,
Khanna.
5. Sanjay Solvex Pvt Ltd,
Focal Point,
Khanna.
6. K.D. Fabrics,
Kohara,
Ludhiana.
7. Sharmanji Yarn (P) Ltd.,
Vill Lakhawal, Near Kohara,
Ludhiana.
8. Swami Textiles Pvt. Ltd.,
Village Rampur, Tehsil Payal,
Ludhiana.
9. N.K. Paper Mill,
Village Gaunspur,
District Ludhiana
10. Harisar Paper,
Village Dhanansu, Tajpur Road,
Ludhiana
11. Punjab Paper Mills,
Village Gaunspur,
District Ludhiana
12. Sharman Spinning Mills,
Ludhiana
13. Pruthi International Pvt. Ltd.,s
Village Kotgangu Rai, H.B. NO. 210,
Sub Tehsil Kurn Kalan, Ludhiana.
14. Vivachem Intermediates Private Limited,
Plot No A-1, Industrial Focal Point,
Raiket, Ludhiana.
15. Ludhiana RNG Private Limited,
Swaddi Khaas, Teh. Jagraon,
Ludhiana.
16. Gaia Neo Energy Pvt. Ltd.,
Sub Tehsil Sidhwan Bet,
Ludhiana.
17. Ecostan Bio Fuels Pvt. Ltd.,
Village Lehra,
Ludhiana.

Member Secretary
Punjab Pollution Control Board
Patiala.

18. Vardhman Textile Ltd.,
Chandigarh Road, Ludhiana
19. Oswal Woollen Mill Unit-3,
G.T. Road, Sheerpur, Ludhiana.

Sub: - Proceedings of meeting taken by Deputy Commissioner, Ludhiana with the industrialists to promote paddy straw based boiler on 02.04.2024 at DC Office, Ludhiana.

Please find attached herewith the Proceedings of meeting taken by Deputy Commissioner, Ludhiana with the industrialists to promote paddy straw-based boiler on 02.04.2024 at Bachat Bhawan at DC Office, Ludhiana for information please.

[Signature]
d/c Environmental Engineer
Regional Office-4, Ludhiana
F.S.

Ends *[Handwritten]* 195-701

Date *[Handwritten]* 29/04/2024

A copy of above is forwarded to the following: -

1. The Deputy Commissioner, Ludhiana for information please.
2. The Additional Deputy Commissioner (RD), Ludhiana for information please.
3. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-1,2, Ludhiana for information please.
4. The Regional Office-1, 2, 3, and Fatehgarh Sahib to convey the proceedings of the said meeting to the industries and follow up for further necessary action please.

[Signature]
d/c Environmental Engineer
Regional Office-4, Ludhiana
F.S.

[Signature]
Member Secretary
Punjab Pollution Control Board
Patiala.

Sub:- Proceedings of meeting taken by Deputy Commissioner, Ludhiana with the industrialists to promote paddy straw based boiler on 02.04.2024 at DC Office, Ludhiana.

At the outset of the meeting, Environmental Engineer, PPCB presented the detailed agenda of the meeting and informed that The Govt. of Punjab has prepared an Action Plan for Control of Crop Residue Burning in State of Punjab 2024-25 to reduce the Stubble burning to zero keeping in compliance of the various directions passed by the Hon'ble Supreme Court in Civil Writ Petition no. 13029 of 1985 MC Mehta v/s Union of India and Others, the instructions issued by the Hon'ble National Green Tribunal (NGT) and Commission for Air Quality Management at various times.

In order to fully implement this action plan in a proper manner, it is very important to manage the stubble through ex-situ management and encourage the industrialist to utilize the paddy straw in their boiler, so that the target of zero stubble burning in the district is achieved. Further it was brought to the notice that the Govt. has provided list of the industry to the DCs which are utilizing or is in the process of utilizing paddy straw in their boiler and Deputy Commissioner have been asked to personally hold one to one meeting with industrialists and hear the problems being faced by them in installing paddy straw-based boiler and resolve the issues of industrialist at the earliest.

During meeting the Chairperson of the meeting, Worthy Deputy Commissioner, Ludhiana informed that we have to comply with the new norms of sustainability and paddy straw management. The Chairperson requested the industrialist to send proposals regarding the area to be catered by the each industry to store the paddy straw and land requirement for storage of paddy considering the last year stock as well as current year requirement shall be sent well in advance to the district administration so that the land be allocated to the industry for storage of paddy on the basis of proposal sent by the industry. The Chairperson also informed the industrialist regarding the subsidy on the palletisation plant and urged the industrialists to visit the palletisation plant operating in the district and give proposal for installing new palletisation plant in the district.

During meeting the representative of K.D. Fabrics informed regarding the cash incentive scheme for the installation of new boilers and the representatives of the industry highlighted the issue that the moist paddy straw cannot be fed in the boiler and the industry is required to construct a shed for storage of paddy, for at least 15 -20 days and informed that the GLADA has a system that the fees has to paid for the shed/covered area and the industry representative sought exemptions regarding the fees to be paid to the GLADA for constructing shed exclusively to be used for storage of paddy. During meeting the representative of M/s Eco Stan Biofuel Pvt Ltd informed regarding the palletisation plant operating in the district and informed that they have also installed the palletisation plant in Samana. Further the industry representative in meeting raised issue related to the subsidy on big bailers and that the subsidy scheme on big bailers was provided to only 2 people in the Punjab. The industry representative also informed that subsidy shall also be given to the industrialist who are already using bailers to store paddy straw in their boiler so that more paddy straw be collected and used in boilers. The Chairperson asked the industry representative to provide a feed back on the issues related to the subsidy scheme on the bailers, so that issue may be brought into the notice of Govt. Sharmanji Industries Pvt. Ltd., Koankalan, Machiwara highlighted the issue of the moisture in procuring paddy to be used in their boiler. The Chairperson informed that the bailing operation will be restricted in first half of the day. Further, the Chairperson informed that in coming days meeting will be organised with

the bailer association and the industry representative, so that the issue regarding management of stubble be done in advance.

The industry representative of Harisar Board Pvt limited Ludhiana, Tajpur Road informed that the industry has done trial on new small paddy straw boiler and their trial is successful and informed the issue related to the paddy ash generated from the boiler and urged to the District Administration that the NOC /Consent be given to them by the PPCB for installing new boiler at the earliest.

At the end of the meeting, Deputy Commissioner assured all the industrialist present in the meeting that District Administration will convey the problems/issues of industrialist to the Govt. and will try to resolve the issues faced by them.

After detailed deliberation, it was decided as under: -

1. The industry to send a proposal regarding storage of paddy straw and requirement of land within a week so that matter be placed before the District Administration for allocation of land requirement to the industries and industries be allocated land in advance well before the Paddy Harvesting Season 2024. The industry to provide the details of the capacity at which it will operate considering the last year stock of paddy as well as current year. Further the industry to consume all the previous stock well before the Paddy Harvesting Season-2024.
2. The District Administration will take up the matter with the Govt. regarding the issue of the industrialist paying fees on the covered area used exclusively for storage of paddy to be used as fuel in their boiler.
3. Visits of the industry be organized to the pelletization plant operating in the district, so that the industry be motivated to install the pelletization plant. The industry is also requested to send a proposal regarding the installation of pelletization plant and any land requirement for storage of paddy straw.
4. The industry to send a feedback regarding the subsidy scheme on the bailers and the district administration will take up the matter with the Govt. to address the issue of the industrialist.
5. PPCB to give NOC to the Harisar Board Pvt. Ltd. for installing the new boiler based on paddy straw at the earliest as per Rules.


Member Secretary
Punjab Pollution Control Board
Patiala.

List of Attendees

Sr. No.	Name & Designation of Officers	District/Organization Name	Mobile No. &
1.	Sh. Anmol Singh Dhaliwal, ADC (RD)	DC Office	--
2.	Er. Kuldeep Singh, EE	PPCB	--
3.	Er. Harpreet Singh, AEE	PPCB	--
4.	Sh. Brig Dinesh Gupta	K.D. Fabrics, Kohara, Ludhiana	--
5.	Sh. Gurdial	Sharmaji Industrial Pvt. Ltd., Machiwara Kohara, Ludhiana	--
6.	Sh. Sanam Sachdeva	Vivachem Intermediates Pvt. Ltd., Focal Point, Raikot, Ludhiana	9914000117
7.	Sh. Anmol Singh	Ecoston Biofuel Pvt. Ltd., Village Lehra, Ludhiana	9914033300
8.	Sh. Rajwinder Singh	Harisar Board Pvt. Ltd., V.P.O Dhanansu, Tajpur road, Ludhiana	9815500578
9.	Sh. Rajvish Khanna	Sanjay Solvex Pvt. Ltd., Focal Point, Khanna	9814125490
10.	Sh. Vishal Duggal	Sanjiv oil fats, Focal Point, Khanna	9875952976
11.	Sh. Gurminder Singh	S.N. Paper Mills, V.P.O. Mannewal Ludhiana.	9216241681
12.	Sh. Gurminder Singh	N.K. Paper Mills, V.P.O Gaunspura Ludhiana	9216241681


 Member Secretary
 Punjab Pollution Control Board
 Patiala.

Detail of commissioned/ under execution/ pipeline Compressed Biogas (CBG) projects based on paddy straw and other biodegradable wastes in District Ludhiana

S.No	Name of the Company	Capacity	Quantity of Paddy straw required for plant (lac ton per annum)	Status	Catchment Area
1.	M/s. Farm Gas Private Limited	12 TPD CBG	0.336 lac ton Per Annum	Commissioned	Village: Ghungrali Rajputan Tehsil: Khanna, Distt: Ludhiana
2.	M/s. Panj Aab Bio Fuel and Fer Pvt. Ltd.	10 TPD CBG	0.336 lac ton Per Annum	Under construction	Vill: Rattipur, Tehsil: Samrala, Distt: Ludhiana
3.	M/s. Ludhiana RNG Private Limited (SPV of Everenviro Resource Management Pvt. Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Under construction	Village: Swaddi Khaas-2, Tehsil:Jagraon, Distt: Ludhiana
5.	M/s. Enerxnt Private Limited	10 TPD CBG	0.336 lac metric ton per annum	Under construction	Tehsil: Payal, Distt: Ludhiana
6.	M/s. Aquagreen Energies Private Limited	2.5TPD CBG	Raw material: Napier Grass 60 TPD and other biodegradable waste- 40 TPD	Under construction	Village: Muskabad, tehsil: Samrala, District: Ludhiana


Member Secretary
Punjab Pollution Control Board
Patiala.

Meeting dated: 05/07/2024, 10:00 AM

Sr No.	Name of Department	Information and Data required
5	All Deputy Commissioners	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of the balers and rakers in each district.
Department of Agriculture has provided 28 balers on subsidy and private farmers have approx 10 balers, so total 38 balers are available in distt Malerkotla. Report regarding storage of bales is as following:		

Block	Details of Paddy Stubble Storage Facilities		Details of private Aggregators		Transportation mode
	Location	Storage Capacity (thousand Tonnes)	Name of Aggregator	Total baling capacity (thousand tonnes)	
Malerkotla	Khangur, Malerkotla	0.3			Tractor & Trolleys
	Rajpur, Malerkotla	1			Tractor & Trolleys
	Chaunda, Malerkotla	5			Tractor & Trolleys
	Badla, Malerkotla	9.5			Tractor & Trolleys
	Bhurthala Mander, Malerkotla	10			Tractor & Trolleys
	Runki Khurd, Malerkotla	1.5			Tractor & Trolleys
Ahmedgarh	Kalyan To Malerkotla Road Near Village Kalyan	0.9	Satnam Singh, Bapla	1.1	Tractor & Trolleys
	Shergarh Cheema to Kuthala Road Opposite Coop. Society Kuthala	1	Vikramjit Singh, Kalyan	1.2	Tractor & Trolleys
			Sukhwinder Singh, Ferozpur (Kuthala)	1.5	Tractor & Trolleys
			Gurpreet Singh, Ferozpur (Kuthala)	1.6	Tractor & Trolleys
			Charanjit Singh, Maholi Kalan	0.68	Tractor & Trolleys
			Balraj Singh, Dehli Kalan	1.08	Tractor & Trolleys
			Amrik Singh, Jitwal Kalan	1.2	Tractor & Trolleys
Total		29.2			

The stored bales is then used by the bio-mass plant 'Sangrur RNG Pvt. Ltd., Panjgrain Kalan, Dhuri' and other card board industries in the district.


 Agricultural Officer
 SANGRUR


 Member Secretary
 Punjab Pollution Control Board
 Patiala

To

49239-

Hon'ble Member Secretary,
Punjab Pollution Control Board,
Patiala.

Letter No.1218.....

Date: ...08-07-2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Reference: Letter No. 6803-06 Dated 04-07-2024 of your office.

It is intimated that as per the subject cited a meeting was held on 07-05-2024 at 10:00 am under the chairmanship of Hon'ble Secretary to Govt of Punjab, Dept. of Science, Technology & Environment through VC. In accordance with the meeting, the required information in tabular form is mentioned below for your kind information and further necessary actions please.

Sr No	Name of Department	Information and Data required	Reply																								
5	All Deputy Commissioner	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for on-site management in the respective districts along with the availability of trailers and rakers in each district	<p>Logistics & Transportation:</p> <table border="1"> <tr> <td>No of Available Trolleys units</td> <td>540 (approx.)</td> </tr> <tr> <td>Amount of Stubble that can be transported by a Trolley in a day</td> <td>20 MT</td> </tr> <tr> <td>Amount of Stubble that can be transported by a Trolley in a season</td> <td>600 MT (considering 30 day season)</td> </tr> <tr> <td>Amount that can be transported using the available logistics</td> <td>324000 MT</td> </tr> </table> <p>Availability of Baler-Rake Units and Straw Managed:</p> <table border="1"> <tr> <td>No of Baler Rake Units in the District</td> <td>120 (78+42 (to be procured under CRM 2024-25))</td> </tr> <tr> <td>Area Covered by a Baler Rake unit in a season</td> <td>800-1000 Acres</td> </tr> <tr> <td>Amount of Stubble Managed by a Baler rake unit</td> <td>2000-2500 MT</td> </tr> <tr> <td>Total Stubble to be Managed by Baler Rake Units</td> <td>300000 MT</td> </tr> </table> <p>Consumption of Paddy Straw in the Industries:</p> <table border="1"> <thead> <tr> <th>Name of Industry</th> <th>Amount to be Procured (thousand Tonnes)</th> </tr> </thead> <tbody> <tr> <td>M/s Vastan Energy Plant, Khokhar Khurd</td> <td>65</td> </tr> <tr> <td>Waste Resource Management Pvt. Ltd., Kishangarh/Purwahi Link Road, Vill. Blikhi, Dist. Mansa.</td> <td>60</td> </tr> <tr> <td>ETON Biomass Energy, Vill. Jatana Kalan, Tehsil Sardulgarh,</td> <td>20</td> </tr> </tbody> </table>	No of Available Trolleys units	540 (approx.)	Amount of Stubble that can be transported by a Trolley in a day	20 MT	Amount of Stubble that can be transported by a Trolley in a season	600 MT (considering 30 day season)	Amount that can be transported using the available logistics	324000 MT	No of Baler Rake Units in the District	120 (78+42 (to be procured under CRM 2024-25))	Area Covered by a Baler Rake unit in a season	800-1000 Acres	Amount of Stubble Managed by a Baler rake unit	2000-2500 MT	Total Stubble to be Managed by Baler Rake Units	300000 MT	Name of Industry	Amount to be Procured (thousand Tonnes)	M/s Vastan Energy Plant, Khokhar Khurd	65	Waste Resource Management Pvt. Ltd., Kishangarh/Purwahi Link Road, Vill. Blikhi, Dist. Mansa.	60	ETON Biomass Energy, Vill. Jatana Kalan, Tehsil Sardulgarh,	20
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Member Secretary
Punjab Pollution Control Board
Patiala.

	Distt. Mansa	
	Shiva Biofuels Pvt. Ltd., Sheller Road, Vill. Tibbi Hari Singh, Tehsil Sardulgarh, Distt. Mansa	20
	A B Fuels. Near Electricity Grid, Bir Khurd Road, Vill. Dhaipai, Bhikhi, Distt. Mansa	20
	M/s AGII Biofuels, Village Bhalaikhe, Distt. Mansa (Proposed)	12
	Packaging and Furniture Industries (Mix Board Mills)	10
	Fuel Brick Kilns	18
	HPCL, Om Sons, BCL Industries Limited, Bathinda	75 (Efforts will be made to tie up with these industries located in District Bathinda in order to achieve the desired target)
	Total	300
<p>A meeting was held on 27-06-2024 by Additional Deputy Commissioner, Mansa with all units to address the problem regarding the storage of paddy and any other problems faced by the industry. A next meeting is scheduled on 17-07-2024. A meeting with Baler owners is also scheduled in next week.</p>		

With Regards,



Deputy Commissioner
Mansa


Member Secretary
Punjab Pollution Control Board
Patiala.



Office of Deputy Commissioner, Moga
(Miscellaneous Branch)

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 9374/M.A

Dated: 08/07/2024.

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024

In regard to above, the information sought vide above reference letter, pertaining to this office is as under:-

Sr. No.	Information sought	Information related to District Moga																									
5	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each district.	<p>a) For ex-situ management, there are three biomass power plant in the District, 02 no. Industrial boilers, 02 no. BKO's, 01 no. pallet unit and 02 number board mill units in District Moga. The detail of utilization capacity of the units is as under:-</p> <table border="1"> <thead> <tr> <th>Industry Category</th> <th>Name of Industry/Entity</th> <th>Quantity of paddy straw required per annum (T/Annum)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Biomass based power projects</td> <td>i) M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, District Ferozepur.</td> <td>1,30,000</td> </tr> <tr> <td>ii) M/s Green Planet Energy Pvt. Ltd., Village Manuke Gill, Tehsil Nihal Singh Wala, District Moga.</td> <td></td> </tr> <tr> <td>iii) M/s Green Planet Energy Pvt. Ltd., Village Bir Pind, Tehsil Nakodar, District Jalandhar.</td> <td></td> </tr> <tr> <td rowspan="2">Industrial Boiler</td> <td>i) M/s TLG Agro Traders, Jalalabad (E), District Moga.</td> <td>19,000</td> </tr> <tr> <td>ii) M/s Vishnu Solvex and Oil Industry, Kokri Kalan Road, Ajitwal, District Moga</td> <td></td> </tr> <tr> <td rowspan="2">Brick Kiln</td> <td>i) M/s A.S. Bricks industries, Jalalabad (E), District Moga</td> <td>15,000</td> </tr> <tr> <td>ii) M/s Sukhbir & Co. Bricks Industry, Village Jalalabad (E), District Moga</td> <td></td> </tr> <tr> <td rowspan="2">Pellet Unit</td> <td>i) M/s GIR Brothers, Dharamkot Road, Jalalabad (E), District Moga</td> <td>12,000</td> </tr> <tr> <td>ii) M/s A.S. Fuel Industries, Jalalabad (E), District Moga</td> <td></td> </tr> </tbody> </table>	Industry Category	Name of Industry/Entity	Quantity of paddy straw required per annum (T/Annum)	Biomass based power projects	i) M/s Sukhbir Agro Energy Ltd., Village Hakumat Singh Wala, District Ferozepur.	1,30,000	ii) M/s Green Planet Energy Pvt. Ltd., Village Manuke Gill, Tehsil Nihal Singh Wala, District Moga.		iii) M/s Green Planet Energy Pvt. Ltd., Village Bir Pind, Tehsil Nakodar, District Jalandhar.		Industrial Boiler	i) M/s TLG Agro Traders, Jalalabad (E), District Moga.	19,000	ii) M/s Vishnu Solvex and Oil Industry, Kokri Kalan Road, Ajitwal, District Moga		Brick Kiln	i) M/s A.S. Bricks industries, Jalalabad (E), District Moga	15,000	ii) M/s Sukhbir & Co. Bricks Industry, Village Jalalabad (E), District Moga		Pellet Unit	i) M/s GIR Brothers, Dharamkot Road, Jalalabad (E), District Moga	12,000	ii) M/s A.S. Fuel Industries, Jalalabad (E), District Moga	
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Member Secretary
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Patiala.

		02 no. Board Mills	i) M/s Malhi Gatta Factory, Village Chuga Kalan, District Moga ii) M/s Sandhu Industries, Village Sandhuwala, District Moga	3,000
		Fodder	Falls within the District Moga	6,000

- Total 1,85,000 Ton paddy straw has been lifted by these units.
- These units have their own machinery for removal of straw from the fields as well as own arrangements for transportation to the storage area.
- As per detail submitted by the units, for utilization of paddy straw about 154 bailers and rakers are used for collection of paddy straw.

This is for your kind information.



Additional Deputy Commissioner (G)
Moga.

Member Secretary
Punjab Pollution Control Board
Patiala.

ਦਫਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਪਠਾਨਕੋਟ

(ਫੁਟਕਲ-2 ਸ਼ਾਖਾ)

ਈ.ਮੇਲ- Lfabranchptk@gmail.com

ਸੇਵਾ ਵਿਖੇ

ਮੈਂਬਰ ਸਕੱਤਰ,
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ,
ਵਾਤਾਵਰਣ ਭਵਨ, ਨਾਭਾ ਰੋਡ, ਪਟਿਆਲਾ-147001

ਨੰ.ਐਮ.ਏ-2/ਐਲ.ਐਚ.ਏ/ 1526-27

ਮਿਤੀ: 08/07/2024

ਵਿਸ਼ਾ:-

Minutes of the meeting held under the chairmanship of worthy Secretary, Science, Technology and Environment on 5.7.2024 to make Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in OA No. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spikes in Punjab" appearing in Hindu dated 06.10.2023

ਹਵਾਲਾ:-

ਆਪ ਜੀ ਦੇ ਦਫਤਰੀ ਪੱਤਰ ਨੰ. 16869-72, ਮਿਤੀ 05.07.2024 ਦੇ ਸਬੰਧ ਵਿੱਚ।


ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਆਪ ਜੀ ਦੇ ਹਵਾਲਾ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਮੰਗੀ ਗਈ ਸੂਚਨਾ ਸਬੰਧਤ ਦਫਤਰੀ/ਵਿਭਾਗ ਤੋਂ ਪ੍ਰਾਪਤ ਕਰਨ ਉਪਰੰਤ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਸੂਚਨਾ/ਅਗਲੇਰੀ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਇੰਤ ਤੇਜ਼ੀ ਜਾਂਦੀ ਹੈ ਜੀ:-

DISTRICT PATHANKOT

Sr no.	Name of department	Information and Data required	Reply
05.	All Deputy Commissioners (District Pathankot)	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each districts.	<p>(1) <u>Report of PPCB, Batala</u> In District Pathankot,</p> <ul style="list-style-type: none"> M/s Pioneer Industries(P) Ltd., Industrial Growth Centre is using paddy straw @ 1.20 lacs TPA as fuel in its boiler, which is supplied by around 12 no aggregators to the unit from different Districts of Punjab. The storage areas have been acquired by the aggregators in their respective districts from where the stubble is collected. M/s Pioneer Industries (P) Ltd. is also having storage area inside the premises and at Defence Road @ 20 acres. <p>(2) <u>Report of Chief PEDA Pathankot</u> In District Pathankot,</p> <ul style="list-style-type: none"> Paddy Straw is removed from the fields using Biomass Aggregation Machinery by

Member Secretary
Punjab Pollution Control Board
Patiala.

			<p>Private Aggregators and Project Developers by their own.</p> <ul style="list-style-type: none"> Paddy straw is transported through trolleys in the baled size from field to storage area and is further transported from storage area to plant as per the daily consumption of paddy straw of the plant. <p>(3) <u>Report of Chief Agriculture Officer, Pathankot</u></p> <ul style="list-style-type: none"> Transportation of paddy straw mainly done through Tractor and Trolley by farmers. Big Rice straw traders has specially designed and modified Trolley which can manage four times paddy straw than normal trolleys. In District Pathankot, total 05 units of bailing/raking are available.
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 ਵਧੀਕ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ (ਜ)
 ਪਠਾਨਕੋਟ।

ਪਿੱਠ ਅੰਕਣ ਨੰ. ਐਮ. ਏ-2/ਐਲ. ਐੱਫ. ਏ/ 1526-27

ਮਿਤੀ: 08/07/2024

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ, ਬਟਾਲਾ ਨੂੰ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਇੰਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।


 ਵਧੀਕ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ (ਜ)
 ਪਠਾਨਕੋਟ।


 Member Secretary
 Punjab Pollution Control Board
 Patiala.



OFFICE OF THE DEPUTY COMMISSIONER
PATIALA

7
ਅੰਮ੍ਰਿਤੀਕ
ਗੰਗਾ ਸਰੋਵਰ

No. 1734

Dated: 8-7-2024

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

Subject: Minutes of the meeting held under the Chairmanship of Dr. Manish Kumar, IFS, Director, DECC, Govt. of Punjab on 5.7.2024 to make Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Reference: PPCB letter no. 16869-76 dated 05.07.2024.

In reference to the above referred letter, please find the report as desired

as under:

Sr. No.	Name of Department	Information and data required	Compliance
5.	All Deputy Commissioners of the State	Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of bailers and rakers in each district.	<ul style="list-style-type: none"> District Patiala has identified total 109 paddy straw aggregators, who will utilize 117 balers and 113 rakers for ex-situ management of paddy straw in the upcoming season, 2024. List is attached as Annexure-A. In the last year, about 2.20 lakh MT of paddy straw was got stored at 21 different sites within District Patiala by 9 Industries, a list of which is attached. This year, about 4.16 lakh MT of paddy straw would be got stored at more than 21 different sites. Also, 38 acres of Panchayati land is available for storage of paddy straw.

This is for your information and further necessary action, please.

Deputy Commissioner
Patiala

Endst. no.....

Dated

A copy of the above is forwarded to the Secretary, Department of Science, Technology & Environment, Govt. of Punjab for information, please.

Member Secretary
Punjab Pollution Control Board
Patiala

Deputy Commissioner
Patiala



**OFFICE OF THE DEPUTY COMMISSIONER
PATIALA**



No. _____

Dated: _____

To

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

Subject: Minutes of the meeting held under the Chairmanship of Dr. Manish Kumar, IFS, Director, DECC, Govt. of Punjab on 5.7.2024 to make Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Reference: PPCB letter no. 16869-76 dated 05.07.2024.

In reference to the above referred letter, please find the report as desired as under:

Sr. No.	Name of Department	Information and data required	Compliance
5.	All Deputy Commissioners of the State	Detail report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of bailers and rakers in each district.	<ul style="list-style-type: none"> District Patiala has identified total 109 paddy straw aggregators, who will utilize 117 balers and 113 rakers for ex-situ management of paddy straw in the upcoming season, 2024. List is attached as Annexure-A. In the last year, about 2.20 lakh MT of paddy straw was got stored at 21 different sites within District Patiala by 9 industries, a list of which is attached. This year, about 4.16 lakh MT of paddy straw would be got stored at more than 21 different sites. Also, 38 acres of Panchayati land is available for storage of paddy straw.

This is for your information and further necessary action, please.

Deputy Commissioner
Patiala

Endst. no. 1735

Dated 8-7-2024

A copy of the above is forwarded to the Secretary, Department of Science, Technology & Environment, Govt. of Punjab for Information, please.

Member Secretary
Punjab Pollution Control Board
Patiala.

Deputy Commissioner
Patiala

ਸੇਵਾ ਵਿਖੇ

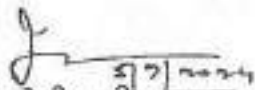
ਮਾਨਯੋਗ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ
ਪਟਿਆਲਾ।

ਪੱਤਰ ਨੰ ਮਿਤੀ

ਵਿਸ਼ਾ- ਕਰਾਪ ਰੇਜੀਡਿਊ ਮੋਨੀਟਰਿੰਗ ਸਕੀਮ ਸਾਲ 2024-25 ਲਾਗੂ ਕਰਨ ਸਬੰਧੀ।

ਹਵਾਲਾ - ਮਾਨਯੋਗ ਸਕੱਤਰ ਸਾਇੰਸ ਅਤੇ ਟੈਕਨੋਲੋਜੀ, ਪੰਜਾਬ ਜੀ ਵੱਲੋਂ ਮਿਤੀ 05.07.2024 ਨੂੰ
ਰੱਖੀ ਗਈ ਮੀਟਿੰਗ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਅਤੇ ਹਵਾਲੇ ਸਬੰਧੀ ਅੱਜ ਮਿਤੀ 05.07.2024 ਨੂੰ ਵੀਡੀਓ ਕਾਨਫਰੰਸ
ਰਾਹੀਂ ਮਾਨਯੋਗ ਸਕੱਤਰ ਸਾਇੰਸ ਅਤੇ ਟੈਕਨੋਲੋਜੀ, ਪੰਜਾਬ ਜੀ ਵੱਲੋਂ ਰੱਖੀ ਗਈ ਮੀਟਿੰਗ ਵਿੱਚ ਜਿਲਾ
ਪਟਿਆਲਾ ਵਿੱਚ ਬੇਲਰ ਅਤੇ ਰੇਕ ਮਸ਼ੀਨਾਂ ਦੀ ਉਪਲੱਬਧਤਾ ਸਬੰਧੀ ਰਿਪੋਰਟ ਮੰਗੀ ਗਈ ਸੀ। ਇਹ
ਰਿਪੋਰਟ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਕਰਨ ਉਪਰੰਤ ਆਪ ਜੀ ਨੂੰ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀ ਜਾ ਰਹੀ ਹੈ
ਜੀ।


ਮੁੱਖ ਖੇਤੀਬਾੜੀ ਅਫਸਰ
ਪਟਿਆਲਾ।


Member Secretary
Punjab Pollution Control Board
Patiala.

Sr. No.	Year	Name of Beneficiary/ CHC	Name of Machine	Village	Block	Distt.	Registration Type	Mobile No.
1	CRM 2018-19	DUDHAR SELF HELP Group	Baler	DUDHAR	Bhunerheri	Patiala	Registered Farmer Group	9781200335
2	CRM 2020-21	The Rai Agriculture Welfare Society	Baler	Bauran Kalan	Nabha	Patiala	Registered Farmer Group	9855853900
3	CRM 2020-21	Pavitter Agriculture Welfare Society	Baler	Fatchapur	Patiala	Patiala	Registered Farmer Group	6280346659
4	CRM 2020-21	Chattha Agriculture Welfare Society	Baler	Panaudia	Patiala	Patiala	Registered Farmer Group	9888664270
5	CRM 2020-21	Rupinder Singh	Baler	Pikahani	Rajpura	Patiala	Individual Farmer	9780118554
6	CRM 2020-21	Malkiat singh	Baler	New mehar singh colony Patiala	Patiala	Patiala	Individual Farmer	9417120251
7	CRM 2020-21	Balbir Kaur	Baler	Patiala	Patiala	Patiala	Individual Farmer	9855834118
8	CRM 2020-21	Gurdeep Singh	Baler	Gajju Majra	Patiala	Patiala	Individual Farmer	9914200175
9	CRM 2020-21	Jasmander Singh	Baler	Ghangroli	Bhunerheri	Patiala	Individual Farmer	9463818045
10	CRM 2020-21	Dalbir Kaur	Baler	Sanaur	Bhunerheri	Patiala	Individual Farmer	8872145045
11	CRM 2020-21	Harjinder Singh	Baler	Fatehpur Rajputan	Bhunerheri	Patiala	Individual Farmer	7986566335
12	CRM 2020-21	Gurmukh Singh	Baler	Sakra	Rajpura	Patiala	Individual Farmer	9530830644
13	CRM 2020-21	Roop singh	Baler	Ramgarh	Nabha	Patiala	Individual Farmer	9872860073
14	CRM 2020-21	Pargat singh	Baler	Bauran Kalan	Nabha	Patiala	Individual Farmer	9514363900
15	CRM 2020-21	Gurmeet Singh	Baler	Sahauli	Nabha	Patiala	Individual Farmer	9417572981
16	CRM 2020-21	Jagtar singh	Baler	Malewal	Nabha	Patiala	Individual Farmer	9417566519
17	CRM 2021-22	MALWINDER SINGH CHATHA	Baler	Inderpura	Patiala	Patiala	Individual Farmer	6280845975
18	CRM 2021-22	HARPREET SINGH	Baler	Sakra	Rajpura	Patiala	Individual Farmer	9877615060
19	CRM 2022-23	Jaswinder Singh	Baler	Jalaikhera	Bhunerheri	Patiala	Individual Farmer	9876197185
20	CRM 2022-23	JAGIT SINGH	Baler	Kakrala	Nabha	Patiala	Individual Farmer	8727006450

21	CRM 2022-23	IQBAL SINGH	Baler	Kakrals	Nabha	Patiala	Individual Farmer	9478260101
22	CRM 2022-23	BALBIR SINGH	Baler	Kartarpur	Bhunerheri	Patiala	Individual Farmer	8196953213
23	CRM 2022-23	Gursewak Singh	Baler	Karhall	Bhunerheri	Patiala	Individual Farmer	9592531092
24	CRM 2022-23	PARGAT SINGH	Baler	Kheri Mallan	Patiala	Patiala	Individual Farmer	9463856641
25	CRM 2022-23	PAVITAR SINGH	Baler	Jogipur	Bhunerheri	Patiala	Individual Farmer	9463819070
26	CRM 2022-23	BHAG SINGH	Baler	Dakala	Bhunerheri	Patiala	Individual Farmer	8591181051
27	CRM 2022-23	PREM SAGAR	Baler	TARAIN	Bhunerheri	Patiala	Individual Farmer	9463370803
28	CRM 2022-23	TEJINDERPAL SINGH	Baler	Bhakhhar	Bhunerheri	Patiala	Individual Farmer	9914624294
29	CRM 2022-23	Iqbal singh	Baler	Lachkani	Patiala	Patiala	Individual Farmer	8872787353
30	CRM 2022-23	RAGVIR GIR	Baler	Behadarpar Fak	Bhunerheri	Patiala	Individual Farmer	9815082172
31	CRM 2022-23	SUKHDEV SINGH	Baler	Bahadarpar Ur	Bhunerheri	Patiala	Individual Farmer	9417570441
32	CRM 2022-23	kuldeep singh	Baler	Ghanaur	Ghanour	Patiala	Individual Farmer	8872237353
33	CRM 2022-23	GURNAM SINGH	Baler	BAGHORA	Ghanour	Patiala	Individual Farmer	9463376006
34	CRM 2022-23	KARAMJIT SINGH	Baler	Seel	Ghanour	Patiala	Individual Farmer	9914445734
35	CRM 2022-23	HARDIYAL SINGH	Baler	Haripur Chungh	Ghanour	Patiala	Individual Farmer	9463546069
36	CRM 2022-23	RANJIT SINGH	Baler	Bauran Kalan	Nabha	Patiala	Individual Farmer	9023586667
37	CRM 2022-23	HARVIR SINGH	Baler	Ramgarh	Nabha	Patiala	Individual Farmer	9877287839
38	CRM 2022-23	mukand singh	Baler	Thuhi	Nabha	Patiala	Individual Farmer	9915020006
39	CRM 2022-23	JAGBIR SINGH	Baler	Mallehwal	Nabha	Patiala	Individual Farmer	9478483683
40	CRM 2022-23	GURPREET SINGH	Baler	Halla	Nabha	Patiala	Individual Farmer	9501126002
41	CRM 2022-23	GURMUKH SINGH	Baler	Kansuha Kalan	Nabha	Patiala	Individual Farmer	9914018309
42	CRM 2022-23	GURPREET SINGH	Baler	Sornla	Nabha	Patiala	Individual Farmer	9914036391
43	CRM 2022-23	GURMAIL SINGH	Baler	Laut	Nabha	Patiala	Individual Farmer	8427257893
44	CRM 2022-23	Jagat singh	Baler	Gadaya	Nabha	Patiala	Individual Farmer	9417615308
45	CRM 2022-23	BAHADUR SINGH	Baler	Ramgarh	Nabha	Patiala	Individual Farmer	9501698718
46	CRM 2022-23	HARDEV SINGH	Baler	Sehajpur Kalan	Samana	Patiala	Individual Farmer	9417626156
47	CRM 2022-23	RAJ SINGH	Baler	Kularan	Samana	Patiala	Individual Farmer	9872970747
48	CRM 2022-23	Surjeet singh	Baler	Kularan	Samana	Patiala	Individual Farmer	9872443586
49	CRM 2022-23	SIKANDER SINGH	Baler	Kularan	Samana	Patiala	Individual Farmer	9463113178
50	CRM 2022-23	GURWINDER SINGH	Baler	Kadraabad	Samana	Patiala	Individual Farmer	9465029093

Member Secretary
Punjab Pollution Control Board
Patiala.

51	CRM 2023-23	Gurnail Singh	Baler	Tiwana	Bhunerheri	Patiala	Individual Farmer	9478315334
52	CRM 2023-24	suvinder singh	Baler	Akalgarhi	Nabha	Patiala	Individual Farmer	9872519148
53	CRM 2023-24	BALWINDER SINGH	Baler	Allpur Jattan	Sanour	Patiala	Individual Farmer	9915811908
54	CRM 2023-24	Ranjit Singh	Baler	Duddar	Bhunerheri	Patiala	Individual Farmer	9463734035
55	CRM 2023-24	HARDAM SINGH	Baler	Panodiya	Patiala	Patiala	Individual Farmer	9884389005
56	CRM 2023-24	suvinder singh	Baler	Bolar Kalan	Bhunerheri	Patiala	Individual Farmer	9779795148
57	CRM 2023-24	SATPAL	Baler	Kakrala	Nabha	Patiala	Individual Farmer	9115705347
58	CRM 2023-24	AMARJIT KAUR	Baler	Chatala	Patiala	Patiala	Individual Farmer	8146437709
59	CRM 2023-24	Jatinder Singh	Baler	Jogpur	Sanour	Patiala	Individual Farmer	9464530945
60	CRM 2023-24	PARMINDER SINGH	Baler	Jogpur	Sanour	Patiala	Individual Farmer	9463074492
61	CRM 2023-24	KARANVEER SINGH	Baler	Kheri Mallan	Patiala	Patiala	Individual Farmer	9041331124
62	CRM 2023-24	IQBAL SINGH	Baler	Mehon	Bhunerheri	Patiala	Individual Farmer	9814090848
63	CRM 2023-24	NACHATAR SINGH	Baler	Bahadarpur Fak	Bhunerheri	Patiala	Individual Farmer	9356310227
64	CRM 2023-24	DALWARA SINGH	Baler	Paharpur	Patiala	Patiala	Individual Farmer	8160546036
65	CRM 2023-24	KESAR SINGH	Baler	Lalochi	Patiala	Patiala	Individual Farmer	7986907130
66	CRM 2023-24	SATBIR SINGH	Baler	Babarpur	Nabha	Patiala	Individual Farmer	9872866076
67	CRM 2023-24	DILBAG SINGH	Baler	Bishanpura	Nabha	Patiala	Individual Farmer	9592714311
68	CRM 2023-24	LAKHWINDER KAUR	Baler	Devinagar Sawa	Bhunerheri	Patiala	Individual Farmer	9779209257
69	CRM 2023-24	RAJWINDER KAUR	Baler	Devinagar Sawa	Bhunerheri	Patiala	Individual Farmer	8146964457
70	CRM 2023-24	GURMAIL SINGH	Baler	Khurd	Nabha	Patiala	Individual Farmer	9592489796
71	CRM 2023-24	Sandeep Bhangu	Baler	Mandoli	Ghanour	Patiala	Individual Farmer	9041111538
72	CRM 2023-24	HARJINDER SINGH	Baler	Mandoli	Ghanour	Patiala	Individual Farmer	8054140428
73	CRM 2023-24	ANGREJ SINGH	Baler	Mandoli	Ghanour	Patiala	Individual Farmer	9463466147
74	CRM 2023-24	Hakikat Singh	Baler	Aluna	Rajpura	Patiala	Individual Farmer	9814569568
75	CRM 2023-24	CHARANJIT SINGH	Baler	BAGHORA	Ghanour	Patiala	Individual Farmer	9814241406
76	CRM 2023-24	Jagdev Singh	Baler	Dhakraba	Patiala	Patiala	Individual Farmer	9478958751
77	CRM 2023-24	BALJINDER SINGH	Baler	Sehra	Rajpura	Patiala	Individual Farmer	8528007171
78	CRM 2023-24	Hakam Singh	Baler	Sehra	Rajpura	Patiala	Individual Farmer	9921480047
79	CRM 2023-24	Pardeep Singh	Baler	Sehra	Rajpura	Patiala	Individual Farmer	9463586645
80	CRM 2023-24	Baljinder kaur	Baler	Gadaya	Nabha	Patiala	Individual Farmer	9464251700
81	CRM 2023-24	BALWINDER SINGH	Baler	Gadaya	Nabha	Patiala	Individual Farmer	9464014756

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82	CRM 2023-24	HAKAM SINGH	Baler	Kaleh Majra	Nabha	Patiala	Individual Farmer	9915979908
83	CRM 2023-24	GURDIAL SINGH	Baler	Haripur Chungly	Ghanour	Patiala	Individual Farmer	9914655743
84	CRM 2023-24	Amrik Singh	Baler	Thohl	Nabha	Patiala	Individual Farmer	7717627504
85	CRM 2023-24	GURVINDER SINGH	Baler	Palia Kalan	Nabha	Patiala	Individual Farmer	9876969101
86	CRM 2023-24	NIRMAL SINGH	Baler	Ranjitgarh	Nabha	Patiala	Individual Farmer	9501306236
87	CRM 2023-24	tejinder Singh	Baler	Allowal	Nabha	Patiala	Individual Farmer	9592541200
88	CRM 2023-24	HARDEEP SINGH	Baler	Laut	Nabha	Patiala	Individual Farmer	9809800095
89	CRM 2023-24	RAVINDER SINGH	Baler	Ramgarh	Nabha	Patiala	Individual Farmer	9914885573
90	CRM 2023-24	AVTAR SINGH	Baler	Dhanauri	Bhunerheri	Patiala	Individual Farmer	9815622255
91	CRM 2023-24	SATVINDER SINGH	Baler	Kurbunpur	Samana	Patiala	Individual Farmer	9463192002
92	CRM 2023-24	AMARBIR SINGH	Baler	CHASWAL	Nabha	Patiala	Individual Farmer	9217706344
93	CRM 2023-24	NASITAL SINGH	Baler	Rampur Dugaal	Patran	Patiala	Individual Farmer	9855723523
94	CRM 2023-24	KARAMJIT SINGH	Baler	Badla	Bhunerheri	Patiala	Individual Farmer	9855488150
95	CRM 2023-24	surjit Singh	Baler	Dergapur	Nabha	Patiala	Individual Farmer	9653000037
96	CRM 2023-24	Kamalveer	Baler	Nabha	Nabha	Patiala	Individual Farmer	9316647000
97	CRM 2023-24	Kulwant Singh	Baler	Bibipur Khurd	Bhunerheri	Patiala	Individual Farmer	9781714463
98	CRM 2023-24	GURMEET KAUR	Baler	Shadipur Moni	Patran	Patiala	Individual Farmer	9501512004
99	CRM 2023-24	SIMARJEET SINGH	Baler	Bahmana	Samana	Patiala	Individual Farmer	9815622039
100	CRM 2023-24	SAMSHER SINGH	Baler	Taipur	Patran	Patiala	Individual Farmer	9878044593
101	CRM 2023-24	NIRMAL	Baler	Haina Kalan	Nabha	Patiala	Individual Farmer	9463737436
102	CRM 2023-24	AMANIQT SINGH	Baler	Akalgarh	Nabha	Patiala	Individual Farmer	8872385762
103	CRM 2023-24	JAGJIT SINGH	Baler	Akalgarh	Nabha	Patiala	Individual Farmer	9872794476
104	CRM 2023-24	RAGHBEER SINGH	Baler	Dugaal Kalan	Patran	Patiala	Individual Farmer	9781180188
105	CRM 2023-24	ROSHAN PAL SINGH	Baler	Badanpur	Samana	Patiala	Individual Farmer	9988709301
106	CRM 2023-24	GURTEJ SINGH	Baler	Kadrabad	Samana	Patiala	Individual Farmer	9417874295
107	CRM 2023-24	Harbans Singh	Baler	Tambuwalla	Patran	Patiala	Individual Farmer	9501504525
108	CRM 2023-24	SATWINDER SINGH	Baler	sadhugarh	Samana	Patiala	Individual Farmer	6280675845
109	CRM 2023-24	NAMD SINGH	Baler	Dhaball Kalan	Rajpura	Patiala	Individual Farmer	9463833047
110	CRM 2023-24	AVTAR SINGH	Baler	Kularan	Samana	Patiala	Individual Farmer	6284897802
111	CRM 2023-24	GAGANDEEP KAL	Baler	Kularan	Samana	Patiala	Individual Farmer	7696063695
112	CRM 2023-24	gurshinder Singh	Baler	Gajewas	Samana	Patiala	Individual Farmer	9417032026

113	CRM 2023-24	SUKHCHAIN SINGH	Baler	chouhat	Samana	Patala	Individual Farmer	8427401750
114	CRM 2023-24	Jagdeep Singh	Baler	chouhat	Samana	Patala	Individual Farmer	9501439101
115	CRM 2023-24	AVTAR SINGH	Baler	Mauliwala	Patran	Patala	Individual Farmer	9815221430
116	CRM 2023-24	Karwaljit Kaur	Baler	Bauran Kalan	Nabha	Patala	Individual Farmer	8727923900
117	CRM 2023-24	The Nandgarh Co	Baler	Kheri Gura	Rajpura	Patala	Co-operative Socie	9872496746

Chief Agriculture Officer
Patala


Member Secretary
Punjab Pollution Control Board
Patala.

Sr. No.	Year	Name of Beneficiary/ CHC	Name of Machine	Village	Block	Distt.	Registration Type	Mobile No.
1	CRM 2018-19	DUDHAR SELF HELP Group	Rake	DUDHAR	Bhunerheri	Patiala	Registered Farmer Group	9781200335
2	CRM 2020-21	The Rai Agriculture Welfare Society	Rake	Bauran Kalan	Nabha	Patiala	Registered Farmer Group	9855853900
3	CRM 2020-21	Green energy Agriculture Welfare Society	Rake	Lalouchh	Patiala	Patiala	Registered Farmer Group	8360851045
4	CRM 2020-21	Pavitter Agriculture Welfare Society	Rake	Fatehpur	Patiala	Patiala	Registered Farmer Group	6280346659
5	CRM 2020-21	Chattha Agriculture Welfare Society	Rake	Panaudia	Patiala	Patiala	Registered Farmer Group	9888664270
6	CRM 2020-21	Krishan lal	Rake	Sonea majra	Ghanour	Patiala	Individual Far	9814198372
7	CRM 2020-21	Rupinder Singh	Rake	Pirkahani	Rajpura	Patiala	Individual Far	9780118554
8	CRM 2020-21	Malkiat singh	Rake	New mehar singh colony Patiala	Patiala	Patiala	Individual Far	9417120251
9	CRM 2020-21	Gurdeep Singh	Rake	Gajju Majra	Patiala	Patiala	Individual Far	9417813844
10	CRM 2020-21	Balbir Kaur	Rake	Patiala	Patiala	Patiala	Individual Far	9855834118
11	CRM 2020-21	Gurdeep Singh	Rake	Gajju Majra	Patiala	Patiala	Individual Far	9914200175
12	CRM 2020-21	Dalbir Kaur	Rake	Senaur	Bhunerheri	Patiala	Individual Far	8872145045
13	CRM 2020-21	Roop singh	Rake	Rnmgarh	Nabha	Patiala	Individual Far	9872860073
14	CRM 2020-21	Pargut singh	Rake	Bouran Kalan	Nabha	Patiala	Individual Far	9814363900
15	CRM 2020-21	Jagtar singh	Rake	Malawal	Nabha	Patiala	Individual Far	9417566519

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16	CRM 2021-22	MALWINDE R SINGH CHATHA	Rake	Inderpura	Patiala	Patiala	Individual Far	6280845975
17	CRM 2022-23	JAGDISH AGRICULTURE WELFARE SOCIETY	Rake	Fategarh C	Saiana	Patiala	Registered Farmer Group	9501562378
18	CRM 2022-23	Jaswinder Singh	Rake	Jalalkhera	Bhunerhe ri	Patiala	Individual Far	9876197165
19	CRM 2022-23	IQBAL SINGH	Rake	Kakrala	Nabha	Patiala	Individual Far	9478260101
20	CRM 2022-23	BALBIR SINGH	Rake	Kartarpur	Bhunerhe ri	Patiala	Individual Far	8196953213
21	CRM 2022-23	Gursewak Singh	Rake	Karhali	Bhunerhe ri	Patiala	Individual Far	9592531092
22	CRM 2022-23	PARGAT SINGH	Rake	Kheri Mail	Patiala	Patiala	Individual Far	9463866641
23	CRM 2022-23	PAVITAR SINGH	Rake	Jogipur	Bhunerhe ri	Patiala	Individual Far	9463819070
24	CRM 2022-23	BHAG SINGH	Rake	Dakala	Bhunerhe ri	Patiala	Individual Far	8591181051
25	CRM 2022-23	Iqbal singh	Rake	Lachkani	Patiala	Patiala	Individual Far	8872787353
26	CRM 2022-23	RAGVIR GIR	Rake	Bahadarpur	Bhunerhe ri	Patiala	Individual Far	9815082172
27	CRM 2022-23	SUKHDEV SINGH	Rake	Bahadarpur	Bhunerhe ri	Patiala	Individual Far	9417570441
28	CRM 2022-23	kuldeep singh	Rake	Ghanour	Ghanour	Patiala	Individual Far	8872237353
29	CRM 2022-23	GURNAM SINGH	Rake	BAGHORA	Ghanour	Patiala	Individual Far	9463376006
30	CRM 2022-23	KARAMJIT SINGH	Rake	Seel	Ghanour	Patiala	Individual Far	9914445734
31	CRM 2022-23	HARDIYAL SINGH	Rake	Haripur Ch	Ghanour	Patiala	Individual Far	9453546069
32	CRM 2022-23	RANJIT SINGH	Rake	Bauran Kal	Nabha	Patiala	Individual Far	9023586667
33	CRM 2022-23	HARVIR SINGH	Rake	Ramgarh	Nabha	Patiala	Individual Far	9877287839
34	CRM 2022-23	mukand singh	Rake	Thuhi	Nabha	Patiala	Individual Far	9915020006
35	CRM 2022-23	RESHAM SINGH	Rake	Thuhi	Nabha	Patiala	Individual Far	9914830863
36	CRM 2022-23	JAGBIR SINGH	Rake	Mallehwal	Nabha	Patiala	Individual Far	9478483683
37	CRM 2022-23	GURPREET SINGH	Rake	Halla	Nabha	Patiala	Individual Far	9501126002
38	CRM 2022-23	GURMUKH SINGH	Rake	Kansuha K	Nabha	Patiala	Individual Far	9914018309
39	CRM 2022-23	GURPREET SINGH	Rake	Samla	Nabha	Patiala	Individual Far	9914036391

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40	CRM 2022-23	Jagat singh	Rake	Gadaya	Nabha	Patiala	Individual Far	9417615308
41	CRM 2022-23	BAHADUR SINGH	Rake	Ramgarh	Nabha	Patiala	Individual Far	9501698718
42	CRM 2022-23	HARDEV SINGH	Rake	Sehajpur K	Samana	Patiala	Individual Far	9417626156
43	CRM 2022-23	RAJ SINGH	Rake	Kularan	Samana	Patiala	Individual Far	9872970747
44	CRM 2022-23	Surjeet singh	Rake	Kularan	Samana	Patiala	Individual Far	9872443586
45	CRM 2022-23	SIKANDER SINGH	Rake	Kularan	Samana	Patiala	Individual Far	9463113178
46	CRM 2022-23	GURWINDER SINGH	Rake	Kadrabad	Samana	Patiala	Individual Far	9465029093
47	CRM 2023-24	BALWINDER SIN	Rake	Alipur Jatta	Sanour	Patiala	Individual Far	9915811968
48	CRM 2023-24	Ranjit singh	Rake	Duddar	Bhunerher	Patiala	Individual Far	9463734035
49	CRM 2023-24	HARDAM SINGH	Rake	Panodiya	Patiala	Patiala	Individual Far	9888389005
50	CRM 2023-24	suvinder singh	Rake	Bolar Kalar	Bhunerher	Patiala	Individual Far	9779795148
51	CRM 2023-24	DALWARA SING	Rake	Paharpur	Patiala	Patiala	Individual Far	8360646036
52	CRM 2023-24	SATPAL	Rake	Kakrala	Nabha	Patiala	Individual Far	9115705347
53	CRM 2023-24	Balwinder singh	Rake	Kheri Barna	Bhunerher	Patiala	Individual Far	9855702999
54	CRM 2023-24	AMARJIT KAUR	Rake	Chafala	Patiala	Patiala	Individual Far	8146437709
55	CRM 2023-24	Shamsher CHAN	Rake	Udipur Urf	Bhunerher	Patiala	Individual Far	9814800371
56	CRM 2023-24	GURDEEP SINGI	Rake	Jogipur	Sanour	Patiala	Individual Far	9417439663
57	CRM 2023-24	Jatinder Singh	Rake	Jogipur	Sanour	Patiala	Individual Far	9464530945
58	CRM 2023-24	PARMINDER SIN	Rake	Jogipur	Sanour	Patiala	Individual Far	9463074492
59	CRM 2023-24	KARANVEER SIN	Rake	Kheri Malia	Patiala	Patiala	Individual Far	9041331124
60	CRM 2023-24	Jagdev singh	Rake	Dhakraba	Patiala	Patiala	Individual Far	9478958761
61	CRM 2023-24	IQBAL SINGH	Rake	Mehon	Bhunerher	Patiala	Individual Far	9814090848
62	CRM 2023-24	LAKHVINDER KA	Rake	Devinagar	Bhunerher	Patiala	Individual Far	9779209257
63	CRM 2023-24	KESAR SINGH	Rake	Lalochi	Patiala	Patiala	Individual Far	7986907130
64	CRM 2023-24	SATBIR SINGH	Rake	Babarpur	Nabha	Patiala	Individual Far	9872866076
65	CRM 2023-24	DILBAG SINGH	Rake	Bishanpura	Nabha	Patiala	Individual Far	9592714311
66	CRM 2023-24	RAJWINDER KAI	Rake	Devinagar	Bhunerher	Patiala	Individual Far	8146964457

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67	CRM 2023-24	GURMAIL SINGH	Rake	Khurd	Nabha	Patiala	Individual Far	9592489796
68	CRM 2023-24	HARJINDER SINGH	Rake	Mandoli	Ghanour	Patiala	Individual Far	8054140428
69	CRM 2023-24	ANGREJ SINGH	Rake	Mandoli	Ghanour	Patiala	Individual Far	9463468147
70	CRM 2023-24	Hakikat Singh	Rake	Aluna	Rajpura	Patiala	Individual Far	9814569568
71	CRM 2023-24	CHARANJIT SINGH	Rake	BAGHORA	Ghanour	Patiala	Individual Far	9814241406
72	CRM 2023-24	Kanwaljit Kaur	Rake	Bauran Kal	Nabha	Patiala	Individual Far	8727923900
73	CRM 2023-24	BALWINDER SINGH	Rake	Sehra	Rajpura	Patiala	Individual Far	8528007171
74	CRM 2023-24	Hakam Singh	Rake	Sehra	Rajpura	Patiala	Individual Far	9921400047
75	CRM 2023-24	Pardeep Singh	Rake	Sehra	Rajpura	Patiala	Individual Far	9463586645
76	CRM 2023-24	Baljinder kaur	Rake	Gadaya	Nabha	Patiala	Individual Far	9464251700
77	CRM 2023-24	BALWINDER SINGH	Rake	Gadaya	Nabha	Patiala	Individual Far	9464014756
78	CRM 2023-24	Sandeep Bhang	Rake	Mandoli	Ghanour	Patiala	Individual Far	9041111538
79	CRM 2023-24	GURDIAL SINGH	Rake	Haripur Ch	Ghanour	Patiala	Individual Far	9914655743
80	CRM 2023-24	Amrik Singh	Rake	Thuhl	Nabha	Patiala	Individual Far	7717627504
81	CRM 2023-24	GURVINDER SINGH	Rake	Patia Kalan	Nabha	Patiala	Individual Far	9876969101
82	CRM 2023-24	BHAGWANT SINGH	Rake	Ghamroda	Nabha	Patiala	Individual Far	9779561365
83	CRM 2023-24	NIRMAL SINGH	Rake	Ranjitgarh	Nabha	Patiala	Individual Far	9501306236
84	CRM 2023-24	tejinder Singh	Rake	Allowal	Nabha	Patiala	Individual Far	9592541200
85	CRM 2023-24	HARDEEP SINGH	Rake	Laut	Nabha	Patiala	Individual Far	9809800095
86	CRM 2023-24	RAVINDER SINGH	Rake	Ramgarh	Nabha	Patiala	Individual Far	9914885573
87	CRM 2023-24	AVTAR SINGH	Rake	Dhanaurl	Bhunerher	Patiala	Individual Far	9815622255
88	CRM 2023-24	SATVINDER SINGH	Rake	Kutbunpur	Samana	Patiala	Individual Far	9463192002
89	CRM 2023-24	AMARBIR SINGH	Rake	CHASWAL	Nabha	Patiala	Individual Far	9217706344
90	CRM 2023-24	NASITAL SINGH	Rake	Rampur Di	Patran	Patiala	Individual Far	9855723523
91	CRM 2023-24	KARAMJIT SINGH	Rake	Badla	Bhunerher	Patiala	Individual Far	9855488150
92	CRM 2023-24	PARKASH SINGH	Rake	Ulana	Ghanour	Patiala	Individual Far	8872604407
93	CRM 2023-24	Kamalveer	Rake	Nabha	Nabha	Patiala	Individual Far	9316647000
94	CRM 2023-24	Kulwant Singh	Rake	Bibipur Kh	Bhunerher	Patiala	Individual Far	9781714453

95	CRM 2023-24	GURMEET KAUF	Rake	Shadipur M	Patran	Patiala	Individual Far	9501512004
96	CRM 2023-24	SIMARJEET SINGH	Rake	Bahmana	Samana	Patiala	Individual Far	9815622039
97	CRM 2023-24	SAMSHER SINGH	Rake	Talpur	Patran	Patiala	Individual Far	9878044593
98	CRM 2023-24	NIRMAL	Rake	Haina Kala	Nabha	Patiala	Individual Far	9463737436
99	CRM 2023-24	JAGJIT SINGH	Rake	Akalgarh	Nabha	Patiala	Individual Far	9872794476
100	CRM 2023-24	RAGHBEER SINGH	Rake	Dugaal Kal	Patran	Patiala	Individual Far	9781180188
101	CRM 2023-24	ROSHAN PAL SINGH	Rake	Badanpur	Samana	Patiala	Individual Far	9988709301
102	CRM 2023-24	GURTEJ SINGH	Rake	Kadrabad	Samana	Patiala	Individual Far	9417874295
103	CRM 2023-24	Harbans Singh	Rake	Tambuwal	Patran	Patiala	Individual Far	9501504525
104	CRM 2023-24	SATWINDER SINGH	Rake	sadhugarh	Samana	Patiala	Individual Far	6280675845
105	CRM 2023-24	NAND SINGH	Rake	Dhaball ka	Rajpura	Patiala	Individual Far	9463833047
106	CRM 2023-24	AVTAR SINGH	Rake	Kularan	Samana	Patiala	Individual Far	6284897802
107	CRM 2023-24	GAGANDEEP KAUF	Rake	Kularan	Samana	Patiala	Individual Far	7696063695
108	CRM 2023-24	BAJINDER SINGH	Rake	Kularan	Samana	Patiala	Individual Far	9815332936
109	CRM 2023-24	gurshinder singh	Rake	Gajewas	Samana	Patiala	Individual Far	9417032026
110	CRM 2023-24	SUKHCHAIN SINGH	Rake	chouhat	Samana	Patiala	Individual Far	8427401750
111	CRM 2023-24	jagdeep singh	Rake	chouhat	Samana	Patiala	Individual Far	9501439101
112	CRM 2023-24	AVTAR SINGH	Rake	Maulviwal	Patran	Patiala	Individual Far	9815221430
113	CRM 2023-24	The Nandgarh C	Rake	Kheri Gum	Rajpura	Patiala	Co-operative	9872496746

Chief Agriculture Officer
Patiala

Member Secretary
Punjab Pollution Control Board
Patiala

OFFICE OF THE DEPUTY COMMISSIONER, RUPNAGAR.

To,

Member Secretary,
Punjab Pollution Control Board,
Patiala.

No: 2090 /

Date: 08.07.2024

Subject: Compliance of the orders dated 03.04.2024 passed by the Hon'ble National Green Tribunal in Original Application No.632 of 2023 in Re: News item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Reference:- Letter No.16805 06 dated 04.07.2024 from Member Secretary, Punjab Pollution Control Board

Requisite report on the subject cited above is sent herewith for kind information & necessary action please.

Encl:- as above

Deputy Commissioner,
Rupnagar.

Encl. No:

Date

A copy of the above is forwarded to the Secretary to Govt. of Punjab, Department of Science, Technology & Environment, Chandigarh for kind information please.

Deputy Commissioner,
Rupnagar

Member Secretary
Punjab Pollution Control Board
Patiala.

Regional Office Roanagar

Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application No. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Sl. No.	Name of Department	Decision	Compliance status
1.	Department of Agriculture and Farmers Welfare	Details of process, know how for In-Situ Management as to the extent of availability and number of mulching machines used for In-situ management and other full particulars relating to utilization of straw in-situ management and complete particulars of different heads of ex-situ management.	There is approx 36,600 ha proposed area under paddy during 2024-2025, which will lead to the generation of 2.57 LT of paddy straw, out of which 1.92 LT will be managed by in-situ management with the help of mulching machines. The district has approx 1400 machines for this purpose. A demand of 370 machines is raised in proposed plan to effectively manage 1.92 LT of paddy straw. The PACS and CSE will be sensitized to make availability of machines to marginal and small farmers. There is registration of 315 machines, which will be made available to different stakeholders. During 2024, 65,000 T. paddy straw will be managed Ex-Situ. At present 26 balers are available which are insufficient to manage stubble. A demand of 36 balers is registered on portal. Block Sri Chankaur Sahib and Morinda faced maximum problem in availability of balers during 2023-24. So there is need of 10 big balers with bale size of 200 kg.
		Details regarding mode and manner of removal of straw from the field, its transportation to different units of ex-situ management.	There are two aggregators in district. M/s Exergy will lift 15,000 Ton for its palletizing unit at Lakhimpur and M/s Hygna Pvt. Ltd. Will lift 50,000 Ton for its unit at Nalagarh.
		Detailed justification regarding the figures of in-situ utilization disclosed for the year 2023.	During 2023 approx 32,000 areas was managed by different in-situ machinery by constant follow up for availability of machinery to farmers through different functionaries appointed by district Administration.
		Detailed report as to how projected figures for the year 2024 with respect to In-situ management and for fodder purposes are to be achieved.	During 2024 the proposed figures will be achieved by appointing nodal officers in all villages. Intensive IEC activities will be carried out in block Sri Chankaur Sahib, Morinda and Rupnagar blocks. Police officers will be deployed in hotspot villages. Khet app will be fully utilized. CHC and PACS will be sensitized to provide machinery to marginal and small farmers.
2.	Department of New and Renewable Energy	Details regarding mode and manner of removal of straw from the field, its	Paddy Straw is removed from the fields using Biomass Aggregation Machinery by Private Aggregators and Project Developers.

Member Secretary
Punjab Pollution Control Board
Patiala.

	<p>transportation to different units of ex-situ management, the capacity of such units i.e. bio-gas power plants, CBG plant etc.</p>	<p>on their own.</p> <p>Paddy straw is transported through tractor trolleys in the baled form from field to storage area and is further transported in baled form from storage area to plant as per the daily consumption of paddy straw of the plant.</p> <p>Total Biomass Power Projects: 11 (Annexure-A)</p> <p>Total Capacity of Biomass Power Projects: 101.5 MW</p> <p>Consuming about 10 Lacs ton paddy straw annually.</p> <p>Total CBG Projects: 36</p> <p>Total Capacity of CBG Projects: 470 TPD CBG</p> <p>I. 4 CBG projects of total capacity 85.23 TPD CBG are operational and are consuming 1.70 lac ton paddy straw annually. (Annexure-B)</p> <p>II. 7 projects of total capacity 79 TPD CBG are to be operational during Financial Year 2024 - 25 and will collect 1.80 lac ton paddy straw in 2024 (Annexure-B)</p> <p>III. In addition to above 27 more CBG projects are at different stages of execution having capacity 305.27 TPD CBG to consume 8.674 tons paddy straw annually and are likely to be operational in next 1.5 - 2.0 years. (Annexure-C)</p> <p>Total 2G Bio-ethanol projects: 1</p> <p>Capacity of 2G Bio-ethanol projects: 100 KI/day</p> <p>At full capacity to consume 2.00 lac ton paddy straw annually. To be operational in 2024</p>
	<p>Detailed justification regarding the figures of ex-situ utilization in CBG plants, biomass power plants, bio-ethanol plants for the year 2023.</p>	<p>The details of Paddy Straw collected by CBG, Biomass Power and Bio-ethanol Plant in 2023</p> <ol style="list-style-type: none"> 1. Biomass Power Projects - 0.06 Lakh ton 2. CBG Projects - 3.00 Lakh ton 3. Bio-ethanol plant - 1.00 lakh ton <p>The above-mentioned figures for collection of paddy straw by CBG, Biomass Power and Bio-ethanol projects has been collected from the private project developers.</p>
<p>Member Secretary Punjab Pollution Control Board Patiala</p>	<p>Detailed report as to how projected figures for the year 2024 are to be achieved</p>	<p>PEDA is facilitating project developers for commissioning of projects as per commissioning schedule, so that paddy straw can be collected as per target for year 2024</p>

			<p>Regular review meetings are being held with CBO and bio-ethanol projects developers, for resolution of issues being faced by them for expeditious implementation of the projects.</p> <p>The issues raised by the developers in the review meetings are being taken up by PEDA with the concerned Department of Govt. of Punjab as well as with Govt. of India, in order to resolve the same.</p>
3.	Department of Power	Details regarding mode and manner of removal of straw from the field, its transportation to thermal power plants for ex-situ management alongwith details regarding the quantity of paddy straw to be used in each thermal power plant in compliance to directions of CAQM.	Regarding mode and manner of removal of straw from the field, it is intimated that this is not in the scope of Thermal Power Plants. The Biomass pellets required for Co-Firing in Thermal Power Plants are being procured through Open Tenders from the market.
		Detailed justification regarding the figures of ex-situ utilization in thermal power plants for the year 2023.	Regarding justification of the figures for year 2023, it is intimated that the Biomass Pellets were received against the already placed Purchase Orders and were Co-Fired in TPPs.
		Report regarding the preparation as to how projected figures for the year 2024 are to be achieved.	Regarding the preparation for projected figures for year 2024, it is intimated that POs have been placed by all TPPs of Punjab State. The matter is being continuously taken up with the firms for ensuring the supply of Biomass Pellets. Further, fresh Tender Enquiries are also being floated for availing more supplies to ensure achieving of the projected figures.
4.	Punjab Pollution control Board	Details regarding mode and manner of removal of straw from the field, its transportation to industrial units for ex-situ management alongwith details regarding the quantity of paddy straw to be used in each industrial unit.	<p>CRM/Baling machines are used for the removal of straw from the field and it is transported by private aggregators for ex-situ management through transportation vehicles like trucks and trolleys/rucks. At present, 26 balers are available in the district.</p> <p>Industrial units for ex-situ management as under:</p> <ul style="list-style-type: none"> • M/s Exergy, of having capacity 2 TPH will be commissioned in this season and it has target to procure approx. 15,000 ton of paddy straw. • M/s Sun Bee Industries Pvt., Ltd. pelletization unit of 5 TPH capacity is also being set up at Village Kalar Tehsil

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			<p>Balochour, District SBS Nagar</p> <p>* M/s Hygen Pvt. Ltd, Nalagarh Himachal Pradesh is Ethanol plant, which will be procuring approximately 50,000 Ton from Rupnagar and its adjoining area.</p>
		Detailed justification regarding the figures of ex-situ utilization in industrial boilers for the year 2023	Ex-situ utilization in industrial boilers for the year 2023 is 3222.24 MT in Thermal Power Plant. (Data attached as Annexure-D)
		Report regarding the preparation as to how projected figures for the year 2024 for utilization of paddy straw in industrial boilers and brick kilns are to be achieved.	<p>Brick Kilo - There are 71 operative brick kilns falling under jurisdiction of District-Rupnagar.</p> <p>The total estimated consumption of Pellets in the brick kilns will be about 0.11 lac Tonnes.</p> <p>Pellets will be used as fuel in the Brick kiln for replacement of 20% coal. Regular meetings are being taken with the Brick Kiln Association to motivate the Co-Firing of 20% paddy-straw based pellets with coal in Brick Kilns. However, there is a Court Case filed by the Brick Kiln Owners against the said notification. This is the state matter which is still pending.</p> <p>Thermal Power Plant - The total estimated consumption of Pellets in the Thermal Plant will be about 38325 MT in 2024 (Attached as Annexure-E). The authorities of the Thermal Plants informed that they have called open tender for procurement of pellets. The company which will quote lower rate and the authority of Thermal Plant certify that the rates quoted by the company are the lowest and reasonable, the work will be allotted accordingly.</p>
5.	All Deputy Commissioners	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakers in each district.	As per demand provided by paddy Aggregators (15000 MT by M/S Exergy & 50000 MT By Hygen Nalagarh) Total 65000 MT Paddy Straw will be collected throughout District with the help of 26 available Balers and 32 new applied Balers for year 2024. 360 Acre Panchayat land Selected for Paddy storage to these Paddy Aggregators and also for the progressive farmers.


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Detail of Paddy Straw to be collected by Biomass Power Project developers during season October-November 2024:

S.No.	Name of the Company	Location of the project	Capacity in MW	Quantity collected during current season in (Ton)	Status
1	M/s. Malwa Power Ltd.	Village: Gulabewala, Tehsil & Distt: Mukatsar	6.00	90000	Commissioned and operational since May 2005
2	M/s. Dee Development Engineers Pvt. Ltd.	Village: Gadda Dhob, Tehsil: Abohar, Distt: Fazilka	8.00	90000	Commissioned and operational since Feb' 2009
3	M/s. Universal Biomass Energy Pvt. Ltd.	Village: Channu, Tehsil: Malout, Distt: Mukatsar	14.50	100000	Commissioned and operational since Oct'2009
4	M/s. Green Planet Energy Pvt. Ltd.	Village: Binjon, Tehsil: Garhshankar, Distt: Hoshiarpur	6.00	60000	Commissioned and operational since March'2012
5	M/s. Green Planet Energy Pvt. Ltd.	Village: Bir Pind, Tehsil: Nakodar, Distt: Jalandhar	8.00	60000	Commissioned and operational since Feb'2013
6	M/s. Viaton Energy Pvt. Ltd.	Village: Khokhar Khurd, Tehsil & Distt: Mansa	10.00	100000	Commissioned and operational since July 2013
7	M/s. Green Planet Energy Pvt. Ltd.	Village: Binjon, Tehsil: Garhshankar, Distt: Hoshiarpur	4.00	5000	Commissioned and operational since August 2018
8	M/s. Sampuran Agri Venture Pvt. Ltd.	Village: Panchowali, Tehsil: Fazilka, Distt: Fazilka	1.00	5000	Commissioned and operational since February 2015
9	M/s. Sukhbir Agro Energy Limited	Village: Sedda Singh Wala Tehsil: Jaitu, Distt: Ferozkot	18.00	200000	Commissioned and operational since December 2019
10	M/s. Sukhbir Agro Energy Limited	Village: Hukumat Singh Wala, Tehsil & Distt: Ferozepur	18.00	200000	Commissioned and operational since December 2019
11	M/s. Sukhbir Agro Energy Limited (PSPCL Jalkheri Project)	Tehsil & Distt: Fatehgarh Sahib	10.00	90000	Commissioned in June 2024 (Project has been allocated by PSPCL)
	Total		101.6	10.00 Lakh Metric ton per annum	

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8.	M/s. Moga RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited)	Tehsil & District: Moga	12 Ton Per day	20,000 Ton
9.	M/s. Cities Innovative Private Limited	Tehsil & District: Fathegahr Sahib	2.25 Ton per day CBG	10,000 Ton
10.	M/s. Grass2Gas Biofuel LLP	Tehsil: Dharamkot District: Moga	5 Ton Per Day	20,000 Ton
11.	M/s. Punj Aab Biofuels and Fertilizers Pvt. Ltd.	Tehsil: Samrala District: Ludhiana	10 Ton Per Day	16,000 Ton
		Total	79.25 TPD CBG	1,80,000 Ton paddy straw
		Grand Total	164.46 TPD CBG	3,50,000 Ton Ton paddy straw

Bio-ethanol Project by HPCL:

S.No.	Name of the company	Location	Capacity of project	Quantity of paddy straw to be collected during this Season 2024
1.	Bio-ethanol Project by HPCL (Expected to commission by July 2024)	Talwandi Saboo, Bathinda	100 Kl/day	2.00 Lac Ton

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Detail of Paddy Straw to be collected by Compressed Biogas (CBG) Project developers during season October-November 2024:

S.No.	Name of the company	Location	Capacity of project	Quantity of paddy straw to be collected during this Season 2024
Commissioned CBG Projects				
1.	M/s. Verbio India Private Limited (Commissioned)	Tehsil: Lehragaga District: Sangrur	33.23 Ton per day CBG	50,000 Ton
2.	M/s. Farm Gas Private Limited (Commissioned)	Tehsil: Khanna District: Ludhiana	12 Ton per day CBG	40,000 Ton
3.	M/s. Sangrur RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited) (Commissioned)	Tehsil: Dhuri District: Sangrur	20 Ton Per day	40,000 Ton
4.	M/s. Patiala RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited) (Commissioned)	Tehsil: Patran District: Patiala	20 Ton per day CBG	40,000 Ton
		Total	85.23 TPD CBG	1,70,000 Ton paddy straw
CBG projects to be Operational in Financial Year 2024-25.				
5.	M/s. Reliance Chemicals and Materials Limited	Tehsil & District Hoshiarpur	20 Ton Per day	50,000 Ton
6.	M/s. Enemxt Private Limited	Tehsil: Payal District: Ludhiana	10 Ton Per day	35,000 Ton
7.	M/s. Ludhiana RNG Private Limited (SPV of M/s. Everenviro Resource Management Private Limited)	Tehsil: Jagraon District: Ludhiana	20 Ton Per day	20,000 Ton

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**DETAIL OF 27 CBG PROJECTS WHICH ARE IN PIPE LINE, WHERE PADDY STRAW
WILL BE USED**

S. No.	Name of the Company/ Location of the project	Capacity	Quantity of Paddy straw required for plant (lac ton per annum)	Location
1	M/s Thind Green Energy Private Limited (SPV of M/s. Thind Eye Hospital Private Limited)	10 TPD CBG	0.336 lac ton per annum	Village Kandhola Tehsil Jalandhar-II, District Jalandhar
2	M/s. Thind Bio Renewables Private Limited.	10 TPD CBG	0.336 lac ton per annum	Village Salah Nagar Tehsil Shahkot, District Jalandhar
3	M/s. Thind CBG Private Limited, (SPV of M/s. Jagori Bag Phool Private Limited)	10 TPD CBG	0.336 lac ton per annum	Village Shahpur Tehsil Dasuya, District Hoshiarpur
4	M/s. Aquagreen Energies Private Limited	2.5 TPD CBG	Raw material Napier Grass 60 TPD and other biodegradable waste-40 TPD	Village: Muskabad, Tehsil Samrala, District Ludhiana
5	M/s. Jalandhar RNG Private Limited (SPV of Everenviro Resource Management Pvt. Ltd, Mumbai)	20 TPD CBG	0.68 lac ton Per Annum	Village Talwan-1 Tehsil Phillaur Distt. Jalandhar
6	M/s. Patiala Biogas Private Limited (SPV of M/s. PES Renewables Private Limited)	10 ton CBG per day	0.336 lac ton Per Annum	Vill: Gahwatti, Tehsil Nabha, District: Patiala
7	M/s. Gurdaspur Biogas Private Limited, (SPV of M/s. PES Renewables Private Limited)	10 ton CBG per day	0.336 lac ton Per Annum	Village: Mani Panwan Tehsil & District Gurdaspur
8	M/s. Amritsar Bio Gas Private Limited (SPV of M/s. PES Renewables Private Limited)	10 TPD CBG	0.336 lac ton Per Annum	Village: Rakh Othian, Tehsil: Lopoke, Sub- Tehsil: Raja Sansi, Distt: Amritsar
9	M/s. Huran Agro And Energy Pvt. Ltd.	10 TPD CBG	0.336 lac ton Per Annum	Village: Pindi, Tehsil Betala, District: Gurdaspur

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10	M/s. T.R. Mega Foods and Beverages LLP	5 ton CBG per day	0.168 lac ton per annum	Vill Sandhwan, Tehsil Kotakpura, Distt Faridkot
11	M/s. Emm Deo Bio Gas Private Limited	15.6 TPD CBG	0.520 lac ton p.a.	Village: Anokharwal Tehsil: Banga, District: Shaheed Bhagat Singh Nagar
12	M/s. Kapurthala RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil & Distt Kapurthala
13	M/s. Tarntaran RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil Patli Distt. Tam Taran
14	M/s. Rampura RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per Annum	Tehsil Rampura Phul, District Bathinda
15	M/s. Barnala RNG Private Limited (SPV of EverEnviro Resource Management Private Ltd, Mumbai)	20TPD CBG	0.68 lac ton Per annum	Tehsil & District Barnala
16	M/s. Sandhu CNG LLP	5TPD CBG	0.168 lac ton per annum	Tehsil & Distt. Faridkot
17	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil Shahkot Distt. Jalandhar
18	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Dina Nagar, District: Gurdaspur
19	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Guru Har Sahai District: Ferozepur
20	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil Khadoor Sahib, District: Tam Taran
21	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil Mukenen, District Hoshiarpur
22	M/s. PES Renewables Private Limited	10TPD CBG	0.336 lac ton Per Annum	Tehsil: Phagwara, District Kapurthala

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23	M/s. RNG Sterling Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil & District Patiala
24	M/s. A2P Climate Tech Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil: Arloh, District Fatehgarh Sahib
25	M/s. A2P Climate Tech Private limited	10TPD CBG	0.34 Lac ton per annum	Tehsil & District Malerkotla
26	M/s. Punjab Bio-Fuels Private Limited	12TPD CBG	0.450 Lac ton per annum	Tehsil: Dera, District Sangrur
27	M/s. W2Jwala Bioenergy Private Limited,	5 ton CBG per day	0.150 lac ton Per Annum	Tehsil Derabassi, Dist. SAS Nagar
	TOTAL	305 TPD CBG	8.67 lac ton per annum	


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Progress Regarding utilization bio mass pellets by TPPs in the state of Punjab

(As on 31.03.2024)

State		Punjab			
NCR Power Plants	UOM	Vedanta TSPL	L&T- NPL Rajpura	PSPCL Ropar	PSPCL Lehra
Capacity	MW	1980	1400	840	920
Annual req. of Biomass @ 5% for cofiring with respect to last 3-year coal consumption	LMT	2.9	2.58	0.74	0.75
	TPD	793	708	203	204
PO Awarded QTY To M/S Kasvi Bio Fuels Private Limited, Karnal Haryana (For 2 years)	LMT			18	
	TPD			25	
	GAP			178	
	Vendors			M/S Kasvi Bio Fuels Private Limited, Karnal	
Tender In process Qty For 3 Firms (POs have been placed on 3.4.24) NAME	LMT			146+219+219=584	
	TPD			20+30+30=80	
1. M/S AGM Biofuels Village Bhalaike Tehsil-Sardulgarh, Distt. Mansa					
2. M/S Shree Ganpati Industries Plot No.113 Mini Rowth Centre Urmar Tanda, Hoshiarpur-144204					
3. M/S Pavittar Fodder Fresh HB No.280,Khasra No.1978,Thana Road Banur SAS Nagar Punjab					
Last 3 months Biomass usage	Dec-23	(MT)		141.77	
		TPD		4.57	
	Jan-24	(MT)		373.73	
		TPD		12.1	
	Feb-24	(MT)		1099.19	
		TPD		37.93	
	Mar-24	(MT)		1356.380	
		TPD		43.75	
		(%)			
	FY 2023-24 (up to 31.03.2024)	MT		3222.245	
Cumulative Biomass usage till 31.03.2024 (MT)				3282.945	

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Planning/Capacity Building regarding utilization bio mass pellets by TPPs in the state of Punjab

(For the year 2024-25)

State		Punjab			
NCR Power Plants	UDM	Vedanta TSPL	L&T- NPL Rajpura	PSPCL Ropar	PSPCL Lehra
Capacity	MW	1980	1400	840	920
Annual req. of Biomass @ 5% for cofiring with respect to last 3-year coal consumption	LMT	2.9	2.58	0.74	0.75
	TPD	793	708	203	204
PO Awarded QTY	LMT			0.764	
	TPD			105	
	GAP			98	
	Vendors				
1. M/S Kasvi Bio Fuels Private Limited, Karnal					
2. M/S AGM Biofuels Village Bhalaike Tehsil-Sardulgarh, Distt. Mansa					
3. M/S Shree Ganpati Industries Plot No. 113 Mini Rowth Centre Linsar Tanda, Hoshiarpur-144204					
4. M/S Pavittar Fodder Fresh HD No 280, Khasra No. 197B, Thana Road Banur SAS Nagar Punjab					
Tender in process Qty	Will be intimated in future				
Last 3 months Biomass usage	April-24	(MT)			3150
		TPD			105
	May-24	(MT)			3255
		(MT)			105
	June-24	(MT)			3150
		TPD			105
	July-24	(MT)			3255
		TPD			105
	Aug-24	(MT)			3255
		TPD			105
	Sep-24	(MT)			3160
		TPD			105
	Oct-24	(MT)			3255
		TPD			105
	Nov-24	(MT)			3150
		TPD			105
	Dec-24	(MT)			3255
		TPD			105
	Jan-25	(MT)			3255
		TPD			105
	Feb-25	(MT)			2940
		TPD			105
	Mar-25	(MT)			3255
		TPD			105
		(%)			
	FY 2024-25 (up to 31.03.2025)	MT			
Cumulative Biomass usage till 31.03.2025 (MT)				76460	

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Meeting dated: 05/07/2024, 10:00 AM

Sr No.	Name of Department	Information and Data required
5	All Deputy Commissioners	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of the balers and rakers in each district.
Department of Agriculture has provided 28 balers on subsidy and private farmers have approx 10 balers, so total 38 balers are available in distt Malerkotla. Report regarding storage of bales is as following:		

Block	Details of Paddy Stubble Storage Facilities		Details of private Aggregators		Transportation mode
	Location	Storage Capacity (thousand Tonnes)	Name of Aggregator	Total baling capacity (thousand tonnes)	
Malerkotla	Khanpur, Malerkotla	0.3			Tractor & Trolleys
	Kaipur, Malerkotla	1			Tractor & Trolleys
	Chaunda, Malerkotla	5			Tractor & Trolleys
	Badla, Malerkotla	9.5			Tractor & Trolleys
	Bhurthala Nander, Malerkotla	30			Tractor & Trolleys
	Rurki Khurd, Malerkotla	1.5			Tractor & Trolleys
	Kalyan To Malerkotla Road Near Village Kalyan	0.9	Satnam Singh, Bapla	1.1	Tractor & Trolleys
Ahmedgarh	Shergarh Cheema to Kuthala Road Opposite Coop. Society Kuthala	1	Vikramjit Singh, Kalyan	1.2	Tractor & Trolleys
			Sukhwinder Singh, Ferozpur (Kuthala)	1.5	Tractor & Trolleys
			Gurpreet Singh, Ferozpur (Kuthala)	1.6	Tractor & Trolleys
			Charanjit Singh, Maholi Kalan	0.68	Tractor & Trolleys
			Bairaj Singh, Dehiz Kalan	1.08	Tractor & Trolleys
			Amrik Singh, Jitwal Kalan	1.2	Tractor & Trolleys
	Total	29.2			

The stored bales is then used by the bio-mass plant "Sangrur RNG Pvt. Ltd., Panjgrain Kalan, Dhuri" and other card board Industries in the district.


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Member Secretary
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OFFICE OF THE ADDL. DEPUTY COMMISSIONER (RD), S.A.S NAGAR

To,

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 2074 Dated 08/07/2024

Sub: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023

Ref: Your office letter No. 16803 dated 04.07.2024

In regard to above, the information sought vide above reference letter pertaining to the office is as under:

Sr. No.	Information & Data required	Reply of Information																											
5	Details report regarding the transportation and logistics of Paddy straw from the field/storage sites to different units for ex-situ management in the respective districts along with the availability of balers and rakes in each district.	<ul style="list-style-type: none"> The district will generate about 2,27,950 MT of paddy straw, out of which 1,36,770 MT will be managed through in-situ methods and the rest 91,180MT will be managed through ex-situ. The district has already identified 27 nos. sites having storage capacity of 1,85,000MT against the ex-situ target of 91,180 MT. The list of the available land banks with the administration have been shared with industrial units in case they need additional land for storage of paddy straw. The list of industrial boilers and palletization plant in the district is as under:- <table border="1"> <thead> <tr> <th>Name of industry</th> <th>Quantity of paddy straw required per annum</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>M/s Nachiketa Paper Mills, Derabassi (Boiler)</td> <td>72000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s YCD Industries, Derabassi(Boiler)</td> <td>6000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Windsor Industries, Kuraki(Boiler)</td> <td>20000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Quad Lifesciences, Derabassi(Boiler)</td> <td>3500 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s TC Terrytex, Derabassi(Boiler)</td> <td>14400 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Chandigarh Bottlers and Distillers, Banur(Boiler)</td> <td>198000 MTA</td> <td>Upcoming</td> </tr> <tr> <td>M/s Nahar Industrial Enterprises, Derabassi(Boiler)</td> <td>110000 MTA</td> <td>Upcoming</td> </tr> <tr> <td>M/s Gaurav Bio-fuels, Derabassi (Palletisation plant)</td> <td>3300 MTA</td> <td>Upcoming</td> </tr> </tbody> </table> <p>As such, in the paddy season 2024 the district will have total boiler/Ex-situ capacity of 4,20,000MTA, however, the total ex-situ target is 91,180MT, only. As such SAS Nagar can cater to the adjoining districts for utilization of paddy straw bales.</p> <ul style="list-style-type: none"> The industry will arrange their own vehicles or use vehicles of their vendors for transportation of paddy straw to their respective sites. Also, the District Administration has already been taken up the matter with District Transport Authority for availability of additional vehicles during the paddy season. 	Name of industry	Quantity of paddy straw required per annum	Status	M/s Nachiketa Paper Mills, Derabassi (Boiler)	72000 MTA	Operational	M/s YCD Industries, Derabassi(Boiler)	6000 MTA	Operational	M/s Windsor Industries, Kuraki(Boiler)	20000 MTA	Operational	M/s Quad Lifesciences, Derabassi(Boiler)	3500 MTA	Operational	M/s TC Terrytex, Derabassi(Boiler)	14400 MTA	Operational	M/s Chandigarh Bottlers and Distillers, Banur(Boiler)	198000 MTA	Upcoming	M/s Nahar Industrial Enterprises, Derabassi(Boiler)	110000 MTA	Upcoming	M/s Gaurav Bio-fuels, Derabassi (Palletisation plant)	3300 MTA	Upcoming
Name of industry	Quantity of paddy straw required per annum	Status																											
M/s Nachiketa Paper Mills, Derabassi (Boiler)	72000 MTA	Operational																											
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This is For your kind information.

Addl. Deputy Commissioner (RD),
S.A.S Nagar.

Member Secretary
Punjab Pollution Control Board

To

Member Secretary
Punjab Pollution Control Board
Chandigarh.

No. 2PL-1

Dated: 8.7.2024

Subject: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref:- Your office letter no. 16803-06 dated 4.7.2024.

With reference to the subject cited, the information in this regard to S. No 3 and 5 is as follows:-

Sr. No.	Name of Department	Information and data required	Reply
1.	Department of Agriculture and Farmers Welfare	<p>a) Details of process, know for in-situ management as to the extent of availability and number of mulching machines used for in-situ management and other full particulars relating to utilization of straw in-situ management and complete particulars of different heads of ex-situ management.</p> <p>b) Details regarding mode and manner of removal of straw from the field, its transportation to different units of ex-situ management.</p>	<p>(a) In-Situ and Ex-Situ management of paddy straw will be carried out machines and utilization of machine is attached, There are 2357 machine available in the district for Crop residue management. Further for the year 2024-25, farmers have applied for 309 machines under CRM Scheme.</p> <p>(b) Removal of straw (Ex-Situ) will be done with Balers. The owners of the baler have big trolleys specially manufactured for transportation to the storage site. Some quantity of the</p>

Member Secretary
Punjab Pollution Control Board
Patiala.

		<p>c) Detailed justification regarding the figures of in-situ utilization disclosed for the year 2023.</p> <p>d) Detailed report as to how projected figures for the year 2024 with respect to in-situ management and for fodder purposes are to be achieved.</p>	<p>straw is taken out manually from the field by dairy farmers.</p> <p>(c) With the increase in number of balers in the district in 2023, there was significant in Ex-Situ management of paddy. Around 102 active balers were engaged round the clock for lifting straw from the fields.</p> <p>(d) For increase in In-Situ management, continuous awareness among the farmers will be done through H.C. Activities (awareness camps, use of social media, announcement in villages, individual contact with farmers who burned straw in the previous years, etc). Farmers who do not own machinery will be asked to hire from Custom Hiring Centers (CHC). Farmers will be advised to use it for fodder purposes.</p>
5	All Deputy Commissioners	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of	<p>Ex-Situ Management of Paddy Straw in Distt. SRS Nagar:</p> <p>Following industries are purchasing paddy straw from baler owners:</p>


 Member Secretary
 Punjab Pollution Control Board
 Patiala.

		bales in each district.	<p>The Green Planet Energy Private Limited (Capacity: 10 MW):- Village Binjon, Block & Tehsil Garhsankar is the biomass based power plant in the district which is collecting the paddy stubble bales from farmers at the market price. It takes approx 50,000 Mt Paddy residues per season.</p> <p>Nawaansahr Power pvt. Ltd. (Capacity: 15MW):-Sugar Mill, Nawaansahr, Banga Road, Dist. SBS nagar .It generates electricity by taking paddy straw as biomass from farmers. It takes approx 20,000 Mt paddy residue per season.</p> <p>Modulus Cosmetics pvt. Ltd.:-Village Gondpur, Teh Garhsankar Dist. Hoshiarpur. It takes paddy residue of around 80,000 Mt.</p>
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Ex-Situ Management of Paddy Straw:

1. The Green Planet Energy Private Limited (Capacity: 10 MW):- Village Binjon, Block & Tehsil Garhsankar is the biomass based power plant in the district which is collecting the paddy stubble bales from farmers at the market price. It takes approx 50,000 Mt Paddy residues per season.
2. Nawaansahr Power pvt. Ltd. (Capacity: 15MW):-Sugar Mill Nawaansahr, Banga Road, Dist. SBS nagar .It generates electricity by taking paddy straw as biomass from farmers. It takes approx 20,000 Mt paddy residue per season.
3. Modulus Cosmetics pvt. Ltd.:-Village Gondpur, Teh Garhsankar Dist. Hoshiarpur. It takes paddy residue of around 80,000 Mt.


Member Secretary
Punjab Pollution Control Board
Patiala.

4. **Jadla dump for collecting biomass residue (Manurect Bio-mass):-** A total of 12 acres land dump is being created, agreement with 12 baler and rake owners is done and will take 1500 mt tonne paddy biomass from each baler owner.
Therefore a total of approx 1,51,000 mT Paddy residue can be managed by Ex-Situ Management

Availability of Machinery for In-situ and Ex -Situ Management of crop residues:

Machine category	Machines	Area covered/day (in Ha)	Total Coverage in season (in ha)	Actual area managed (in ha)	Quantity of Paddy straw managed (in tonnes)	
Ex-Situ Machines	Baler	8	16160	16000	104000	
	Rake	8	16320			
	Shrub Master/ Rotary slasher	6	2400			
	Super SMS	6	27600			
In-Situ Machines	Case 1	Happy Seeders	3	35000	227500	
		Super Seeder	2			
		Sonar Seeder	3			
	Case 2	Mulcher/Paddy Straw Chopper	3	10780	70070	
		RMB Plough	2			
		Surface Seeder	6			
	Other Combination	Zero Till Drill	4	13280	1500	9750
		Rotavator	6			

[Signature]
8/7/2024
Chief Agriculture Officer
Shahid Bhagat Singh Nagar
[Signature]

[Signature]
Member Secretary
Punjab Pollution Control Board
Patiala.

530177-

Office of the Deputy Commissioner
Sri Muktsar Sahib

Letter No. 4805/MA

Date 5/7/24

To

The Member Secretary
PPCB
Vaiavaren Bhawan, Patiala

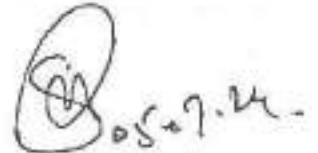
Subject:

Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no 632 of 2023 In Re: News item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Reference:

Letter No. 16803-06 dated 04.07.2024 of your office.

In reference to the subject cited above, Kindly find enclosed herewith the information concerning Sri Muktsar Sahib pertaining to the point No.5. The details have enclosed with this correspondence for your kind review.



Addl. Deputy Commissioner(G)
Sri Muktsar Sahib.

Member Secretary
Punjab Pollution Control Board
Patiala.

District Sri Muktsar SahibAgenda Point :- 5

Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hürdu dated 06.10.2023.

Member Secretary
Punjab Pollution Control Board
Patiala,

Sr No	Name of Department	Information and data required	Reply	
5	All Deputy Commissioners	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of balloers and rakers in each district.	There are 9 No. of industries who are dealing with paddy straw:-	
			Industry Category	Quantity of paddy straw required per annum (in thousand tonnes)
			Universal Biomass Energy (P) Ltd., Village-Channu, Distt. Sri Muktsar Sahib	150
			Malwa Power Pvt. Ltd., Village Gulabewalia, Tehsil & Distt. Sri Muktsar Sahib	64
			Dev Development Engineer (P) Ltd., VIII Gadhia Dhab, Abohar Block, Distt. Fazilka	45
			Sukhbir Agro energy limited, Jaitu, District Faridkot	64

Fuel based industries-Boilers	Seta Industries Limited (Paper), VPO- Pujana, Malout Road, Sri Muktsar Sahib	250
Fuel based industries-Boilers	Sai Solvex Pvt. Ltd., Guru Harpal Road, Village Lamda Ohah, Tehsil & Distt. Sri Muktsar Sahib	53
Fuel based industries-Boilers	AK Panel Industry, Keethi Dewran, Sri Muktsar Sahib	3
Cardboard Mill	Dansal Paper Board Mill, Mahabubpur, Sri Muktsar Sahib (cardboard Mill)	15
Cattle fodder unit	Guruzar cattle fodder plant (Sh. Vaidwinder Singh)	20

Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units:-

1. Plants have agreement with farmers, so they procure paddy straw from farmer as per decided rate
2. Paddy straw aggregators have their own transportations and logistics system
3. The District Has 240 Balers and 240 rakes.
4. 03 meetings had already conducted on dated 12/03/24, 27/06/24 and 02/07/2024 with industries, Paddy straw aggregators and baler unions. Regular meetings will be also conducted in the season too
5. Village wise mapping of baler is also done.

Step wise procedure and cost analysis:-

1. After harvesting farmer contacts with baler owner, the baler owner cuts the straw with the help of cutter spreader/shrub master/stubble shaver and let it to be dry

2. When Straw gets dry the baler owner makes the bale with rake and baler
3. Mostly baler owners have their own tractor trolley or they have contracted with trolley union for lifting the bales.
4. Then they unload the straw at Secondary dumping points of Plants or directly to plants.
5. Plants either provides the labour or Pay the labour cost.
 - Reaper Charges 500-600 Rs/Acre (Sometime paid by farmers too)
 - 70 Rs/Quintal up to 15 Km charges for transporting the straw which includes the lifting of straw from field, tractor trolley cost and drivers cost.
 - Last year Paddy straw procurement rate was 169.5 rs/Quintal


Member Secretary
Punjab Pollution Control Board
Patiala.



ਦਫਤਰ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਤਰਨ ਤਾਰਨ
Office of the Deputy Commissioner, Tarn Taran
 (ਫੋਨ/Phone: 01852-224101 (ਦਫਤਰ/Office) 01852-224102 (ਫੈਕਸ/Fax))

To
 The Member Secretary
 Punjab Pollution Control Board
 Patiala

Dated.. 8-07-2024

No. 1616

Sub: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 of 2023 In Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023.

Ref: Your office letter no. 16803-06 dated 04.07.2024

In regard to above, the information sought vide above reference letter, pertaining to District Tarn Taran is as under: -

Sr. No.	Information Sought	Information related to District Tarn Taran																							
		Name and address of the industry	Type of Industry	Present status of the industry	Quantity of Paddy Straw (inT/Annum)																				
1.	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of the bailers and rakes in each district	<p>For ex-situ management, there are 02 no. industries using paddy straw as fuel in the boiler and 02 no. industries which will be use paddy straw as raw material for manufacturing of paddy straw pallets. The detail of the utilization capacity of the units is as under: -</p> <table border="1"> <thead> <tr> <th>Name and address of the industry</th> <th>Type of Industry</th> <th>Present status of the industry</th> <th>Quantity of Paddy Straw (inT/Annum)</th> </tr> </thead> <tbody> <tr> <td>M/s ETH Biofuels Pvt. Ltd., Village Louhka, Tehsil Patti, District Tarn Taran</td> <td>Alcohols & Distilleries</td> <td>Operational</td> <td>41000</td> </tr> <tr> <td>M/s Rana Sugars Limited (Distillery Division), Village Louhka, Tehsil Patti, District Tarn Taran, Punjab</td> <td>Alcohols & Distilleries</td> <td>Operational</td> <td>88000</td> </tr> <tr> <td>M/s Master Agro Fuel, Village JyotiShah, Tehsil Patti, District Tarn Taran.</td> <td>Paddy Straw Palletization Plant</td> <td>Operational</td> <td>10000</td> </tr> <tr> <td>Major Bio Fuel, Patti, District Tarn Taran</td> <td>Paddy Straw Palletization Plant</td> <td>Under Installation</td> <td>32800</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Total 171800 Ton paddy straw will be utilized by these units from 26,430 hectare paddy area. These units have their own machinery for removal of straw from the fields as well as own arrangement for transportation to the storage area. Baler operator are hiring land on rental basis near their area of operation to store paddy straw. Bailers operator remove paddy straw from field at their own level. There are 45 Balers & 41 Rakes are available in Distt Tarn Taran. On the Onset of paddy harvesting season some private aggregators from other Districts comes to Tarn Taran along with 60 balers & Rakes for making bales. In 2024 there are 10 new applications for Balers and 11 applications for Rakes are received from individual farmer/ CHCs of Distt. Tarn Taran. All these applications are likely to be approved soon and farmers will able to purchase new Balers & Rakes. 				Name and address of the industry	Type of Industry	Present status of the industry	Quantity of Paddy Straw (inT/Annum)	M/s ETH Biofuels Pvt. Ltd., Village Louhka, Tehsil Patti, District Tarn Taran	Alcohols & Distilleries	Operational	41000	M/s Rana Sugars Limited (Distillery Division), Village Louhka, Tehsil Patti, District Tarn Taran, Punjab	Alcohols & Distilleries	Operational	88000	M/s Master Agro Fuel, Village JyotiShah, Tehsil Patti, District Tarn Taran.	Paddy Straw Palletization Plant	Operational	10000	Major Bio Fuel, Patti, District Tarn Taran	Paddy Straw Palletization Plant	Under Installation	32800
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Member Secretary
 Punjab Pollution Control Board
 Patiala.

This is for your information.

Additional Deputy Commissioner (G),
 Tarn Taran

OFFICE OF THE ADDL. DEPUTY COMMISSIONER (RD), S.A.S NAGAR

To,

The Member Secretary,
Punjab Pollution Control Board,
Patiala.

No. 2074 Dated 08/07/2024

Sub: Compliance of the orders dated 03.04.2024 passed by Hon'ble National Green Tribunal in Original Application no. 632 in 2023 in Re: News Item titled "Pollution takes a front seat as stubble fires spike in Punjab" appearing in Hindu dated 06.10.2023

Ref: Your office letter No. 16803 dated 04.07.2024

In regard to above, the information sought vide above reference letter pertaining to the office is as under:

Sr. No.	Information & Data required	Reply of information																											
5	Details report regarding the transportation and logistics of Paddy straw from the field/storage sites to different units for ex-situ management in the respective districts along with the availability of boilers and rakers in each district.	<ul style="list-style-type: none"> The district will generate about 2,27,950 MT of paddy straw, out of which 1,36,770 MT will be managed through in-situ methods and the rest 91,180MT will be managed through ex-situ. The district has already identified 27 nos. sites having storage capacity of 1,85,000MT against the ex-situ target of 91,180 MT. The list of the available land banks with the administration have been shared with industrial units in case they need additional land for storage of paddy straw. The list of Industrial boilers and palletization plant in the district is as under:- <table border="1"> <thead> <tr> <th>Name of Industry</th> <th>Quantity of paddy straw required per annum</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>M/s Nachiketa Paper Mills, Derabassi (Boiler)</td> <td>72000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s YCD Industries, Derabassi(boiler)</td> <td>6000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Windsor Industries, Kurabi(Boiler)</td> <td>20000 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Quad Lifesciences, Derabassi(Boiler)</td> <td>3500 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s TC Tarrytex, Derabassi(Boiler)</td> <td>14400 MTA</td> <td>Operational</td> </tr> <tr> <td>M/s Chandigarh Bottlers and Distillers, Banur(Boiler)</td> <td>198000 MTA</td> <td>Upcoming</td> </tr> <tr> <td>M/s Nahar Industrial Enterprises, Derabassi(Boiler)</td> <td>110000 MTA</td> <td>Upcoming</td> </tr> <tr> <td>M/s Gaurav Bio-fuels, Derabassi (Palletisation plant)</td> <td>3300 MTA</td> <td>Upcoming</td> </tr> </tbody> </table> <p>As such, in the paddy season 2024 the district will have total boiler/Ex-situ capacity of 4,20,000MTA, however, the total ex-situ target is 91,180MT, only. As such SAS Nagar can cater to the adjoining districts for utilization of paddy straw bales.</p> <ul style="list-style-type: none"> The industry will arrange their own vehicles or use vehicles of their vendors for transportation of paddy straw to their respective sites. Also, the District Administration has already been taken up the matter with District Transport Authority for availability of additional vehicles during the paddy season. 	Name of Industry	Quantity of paddy straw required per annum	Status	M/s Nachiketa Paper Mills, Derabassi (Boiler)	72000 MTA	Operational	M/s YCD Industries, Derabassi(boiler)	6000 MTA	Operational	M/s Windsor Industries, Kurabi(Boiler)	20000 MTA	Operational	M/s Quad Lifesciences, Derabassi(Boiler)	3500 MTA	Operational	M/s TC Tarrytex, Derabassi(Boiler)	14400 MTA	Operational	M/s Chandigarh Bottlers and Distillers, Banur(Boiler)	198000 MTA	Upcoming	M/s Nahar Industrial Enterprises, Derabassi(Boiler)	110000 MTA	Upcoming	M/s Gaurav Bio-fuels, Derabassi (Palletisation plant)	3300 MTA	Upcoming
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This is For your kind information.

Member Secretary
Punjab Pollution Control Board
Patiala.

Addl. Deputy Commissioner (RD),
S.A.S Nagar.

Sr No.	Name of Department	Information and Data required	Information related to District Sangrur																																						
5	All Deputy Commissioner	Detailed report regarding the transportation and logistics of paddy straw from the fields/storage sites to different units for ex-situ management in the respective districts along with the availability of the balers and rakers in each district.	1. For ex-situ management, there are biomass power plant in the District as per following:-																																						
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<table border="1"> <thead> <tr> <th colspan="3">Details of Paddy Stubble Storage Facilities</th> </tr> <tr> <th>Block</th> <th>Location</th> <th>Storage Capacity (thousand Tonnes)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Bhawanigarh</td> <td>MAJHI (1)</td> <td>8.4</td> </tr> <tr> <td>MAJHI (2)</td> <td>3.6</td> </tr> <tr> <td rowspan="2">Sangrur</td> <td>Mastuana sahib</td> <td>2</td> </tr> <tr> <td>Lehragaga (Verblo)</td> <td>52</td> </tr> <tr> <td rowspan="3">Lehragaga</td> <td>Rampura Jawaharwala (Verblo)</td> <td>7</td> </tr> <tr> <td>Jhaloor (Verblo)</td> <td>8</td> </tr> <tr> <td>Ramgarh Sandhuan (Verblo)</td> <td>6</td> </tr> </tbody> </table>			Details of Paddy Stubble Storage Facilities			Block	Location	Storage Capacity (thousand Tonnes)	Bhawanigarh	MAJHI (1)	8.4	MAJHI (2)	3.6	Sangrur	Mastuana sahib	2	Lehragaga (Verblo)	52	Lehragaga	Rampura Jawaharwala (Verblo)	7	Jhaloor (Verblo)	8	Ramgarh Sandhuan (Verblo)	6																
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Block	Location	Storage Capacity (thousand Tonnes)																																							
Bhawanigarh	MAJHI (1)	8.4																																							
	MAJHI (2)	3.6																																							
Sangrur	Mastuana sahib	2																																							
	Lehragaga (Verblo)	52																																							
Lehragaga	Rampura Jawaharwala (Verblo)	7																																							
	Jhaloor (Verblo)	8																																							
	Ramgarh Sandhuan (Verblo)	6																																							

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Sunam	Mahasinghwala (Private)	2
	Banarsi (Private)	1.2
	Lakmirwala	21
	Khadial	9
	Gujran	1
Dhuri	Kheri Naga	1.8
	Barri	40
	Ghanori kalan	40
	Fatehgarh panjgrian	60
	Palasaur	40
	maanwala	30
Total		333

4. After making of bales by balers, the bales were then transported from farmers' fields to these storage dumps with the help tractor operated carriers owned/arranged by the baler owners.

These units have their own machinery for removal of straw from the fields and arrangements for transportation to the storage area. As per details given by the units, for utilization of paddy straw about 90 balers and rakers were used for collection of paddy straw.

(A. G. Singh, Patiala)

Details of Industries which have commissioned and operationalized 100% paddy straw based boilers

Sr. No.	Name and Address of the Industry	Capacity Boiler	Quantity of Paddy Straw utilized in Kharifseason (2023-24)
1	YCD Industries Limited (Old Name Bhandari Export Industries Ltd.), Village Sarsini, Near Lalru, Dera Bassi, Distt. SAS Nagar.	6 TPH	5000 TPA
2	M/s Shree Ganesh Edibles Pvt. Ltd., Village Shahpur, Amloh Khanna Road, Fatehgarh Sahib	14 TPH	80,000 TPA
3	M/s Satia Industries Ltd.(Paper), Village Rupana, Distt.Sri Muktsar Sahib	75 TPH	2,00,000 TPA
4	A.B. Sugars Ltd, Village Randhawa, P.O. Panwan, Tehsil Dasuya, Distt. Hoshiarpur	120 TPH	5000 TPA
5	Shri Ram Panels, Khanna-Amloh Road, Vill Shahpur, Fatehgarh Sahib	8 TPH	18,900 TPA
6	M/s Pioneer Industries Private Limited (Distillery Division), Plot No. A2, A3- A4, Industrial Growth Centre, Pathankot	50 TPH	80,000 MTA
7	ITC Limited, Industrial Area, Kapurthala	3 no. boiler of 4.5 TPH each using biomass (including paddy straw) briquette as fuel	50 TPA
8	Nachiketa Paper Mills Ltd., Village Mubarikpur, Ramgarh Road, Dera Bassi	30 TPH	30,000 TPA
9	M/s Shree Ganesh Edibles Pvt. Ltd., Village Shahpur, Amloh Khanna Road, Fatehgarh Sahib.	75 TPH	1,40,000 TPA
10	M/s BCL Industries Ltd.	60 TPH	1,25,000 TPA

	(Distillery Unit), Village Machhana and SangatKalan, Tehsil and District Bathinda		
11	Chandigarh Distillers & Bottlers Ltd., CDBL- Village Banur, District SAS Nagar Mohali PB	75 TPH	2,00,000 TPA
12	DSG Paper Pvt. Ltd., Village Bhanri, Distt. Patiala.	60 TPH	1,80,000 TPA
13	SYNERGY ETHYL PVT. LTD., Garhshankar, Hoshiarpur	8 TPH	12000 TPA
14	WINDSOR INDUSTRIES PVT. LTD., Kurali, SAS Nagar.	8 TPH	12000 TPA
15	M/S Sardar Solvex, Village Duladi, Tehsil Nabha, Patiala	8 TPH	5000 TPA
16	M/S TC Terry Tex, Limited, SAS Nagar	8 TPH	1200 TPA
17	M/S Sai Solvex Pvt Ltd., Guru Har Sahai Road, Muksar Sahib	8 TPH	6500 TPA
18	AK Panel Industry, Kotli dewan, Sri Muksar Sahib	6 TPH	8000 TPA
Total Paddy straw procured			11,08,950 TPA (11.09 Lac TPA)

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**Details of Industries which have commissioned and operationalized boilers based on
blending of Paddy Straw with Other Fuels**

Sr. No.	Name and Address of the Industry	Capacity Boiler	Quantity of Paddy Straw / likely to used in Kharif season{2023-24}
1	Ambuja Cement Limited, Village Daburji P.O Lodhimajra, Tehsil & Distt. Ropar	45 TPH And 45 TPH	12000 TPA
2	Nawanshahr powerpvt Ltd., Inside Coop Sugar Mills Ltd Banga Road ,Nawanshahr Punjab	70 TPH	21,722 TPA
3	Sanjiv Oil & Fats (Formerly Sanjiv Agro Pvt Ltd), C-15 & C-61, Focal Point, Khanna	6 TPH	20,000 TPA
4	Sanjiv Oil & Fats, Shahpur, Fatehgarh Sahib	6 TPH	
5	Sanjay Solvex Pvt. Ltd., Focal Point, Khanna, Ludhiana	12 TPH 15 lakh Kcal (Thermo-pack)	20,000 TPA
6	M/s Chadha Sugar & Industries (P) Ltd., Village-Kiri Afgana, Tehsil- Batala, District-Gurdaspur	120 TPH (Existing)	5000 TPA
7	M/s Satkar Paper Mills Limited, Village Humbran, Tehsil Ludhiana West, District Ludhiana	12 TPD, 03 TPD	40,000 TPA
8	Rana Sugars Limited, Village- Buttar Seviyan, Teshil- Baba Bakala, Amritsar	50 TPH 120 TPH	35,000 TPA
9	M/s Nestle India Ltd., Ferozepur Road, Moga	2 no. boilers of 21 Ton each each using biomass (including paddy straw) briquette as Fuel	3600 TPA
10	M/s S.N. Paper Mills, Village Manewal, Tehsil Ludhiana West, District Ludhiana	06 TPH	12,000 TPA
		14 TPH	15,000 TPA
11	M/L. Dary Sons	65 TPH	35,000 TPA

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	Marketing Pvt. Ltd., Village Sangat Kalan, Distt. Bathinda		
12	The Bhogpur Co. Operative Sugar Mills Ltd, Bhogpur, Distt. Jalandhar	80 TPH	25,000 TPA
13	Sanjiv Oil & Fats, Kanpura, Fatehgarh Sahib	14 TPH 10 TPH 2 TPH	30,000 TPA
14	Pancarbo Green fuels Pvt Ltd., Village Lehri, Tehsil Talwandi Sabo, Bathinda	34 TPH	70,000 TPA
15	M/S Rana Sugars Ltd.(Distillery Division) Village Ioukha, Tehsil Patti, Distt Tarn Taran, Punjab	30 TPH	88,000 TPA
Total Paddy straw procured			4,32,322 TPA (4.32 Lac TPA)


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