

Before The Hon'ble National Green Tribunal,
Principal Bench, New Delhi

Appeal No. 27/2024

I.A. No. 314/2024



IN THE MATTER OF:

INDOTECH WASTE SOLUTION

.... APPLICANT

Versus

UP, SEIAA & ORS.

.... RESPONDENTS

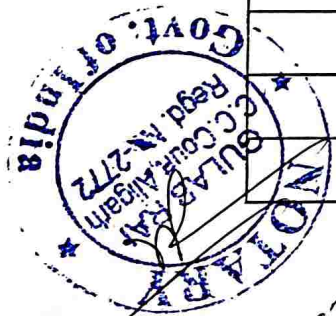
INDEX

S.No.	Particulars	Page No.
1.	Response of Uttar Pradesh Pollution Control Board in compliance with the order dated 26.09.2024 passed by this Hon'ble Tribunal.	1-39

THROUGH

B.P. SINGH
Advocate

Date: 20.01.2025



20/1/2025

Before The Hon'ble National Green Tribunal,
Principal Bench, New Delhi



Appeal No. 27/2024
I.A. No. 314/2024

ATTE

GULAB RAI (Advocate)
Antarv G.O.I., Aligarh Road, No 27

IN THE MATTER OF:

INDOTECH WASTE SOLUTION

.... APPLICANT

Versus

UP, SEIAA & ORS.

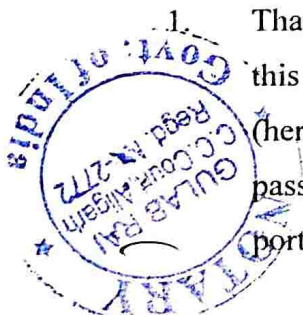
.... RESPONDENTS

**RESPONSE AND GAP ANALYSIS REPORT ON BEHALF OF
UTTAR PRADESH POLLUTION CONTROL BOARD, IN
COMPLIANCE TO THE ORDER DATED 26.09.2024 PASSED
BY THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI**

I, Radhey Shyam aged about 51 years, posted as Regional Officer, Uttar Pradesh Pollution Control Board (hereinafter "UPPCB"), Aligarh, Uttar Pradesh, do hereby solemnly affirm and state on oath as under:

1. That the present response and gap analysis report is being filed before this Hon'ble National Green Tribunal, Principal Bench, New Delhi (hereinafter "Hon'ble Tribunal") in compliance to the earlier directions passed by this Hon'ble Tribunal vide order dated 26.9.2024. The relevant portion of the order dated 26.9.2024 is reproduced as under:

"...4. Learned Counsel appearing for SEIAA and UPPCB also seek time to obtain instructions in respect of the diagram at page no. 476 indicating that a part of the area applied for by the appellant is not covered by four facilities that already exist and cover the radius of 75



SN 208
20/9/2025

kms. They are also directed to obtain instructions if there can be overlapping of the coverage area and how the area which does not fall within the 75 km radius of the existing facility will be taken care of, if it is surrounded by other existing facilities but does not have an available radius of 75 km and is not covered by it.

6. UPPCB will produce the gap analysis report of the appellant as well as the other four facilities existing in the area and details of the area covered by those four facilities. ”

2. In compliance with the Hon'ble Tribunal's directions, UPPCB has re-evaluated its records and obtained data on HCFs and bed counts from the medical department/CMOs of the areas covered by CBWTFs involved in Appeal No. 27/2024.
3. That UPPCB has done the gap analysis of the following 05 CBWTFs which are covered in the current application before Hon'ble Tribunal:
 - i. M/s JRR Waste Management Pvt Ltd (old name M/s Dutt Enterprise Ltd, 670, Mauja Darhara, Etmadpur), Agra
 - ii. M/s Bio Medical Waste Disposal Agency, 622, Padrona Raya Mat Mathura.
 - iii. M/s Punah Chakran Pvt Ltd, Sambhal
 - iv. M/s Green House Waste Management, Mainpuri
 - v. M/s Indotech Waste Solution, Kasganj.

That following parameters for calculation of gap analysis are taken by UPPCB:

The gap analysis is based on CPCB's methodology (letter dated 10.10.2023, Annexure 1).



20/6/2025

- Routine monitoring by UPPCB indicates 60-80% of total Bio Medical Waste (BMW) generated is incinerable, so the analysis focuses on CBWTF incineration capacity and incinerable BMW generation.
- BMW generation from non-bedded HCFs is considered equivalent to that from one bed.
- Data on HCFs and bed counts were verified with CMOs of relevant districts/blocks by UPPCB Regional Offices.

5. Gap Analysis Report:

5.1. M/s JRR Waste Management Pvt Ltd (old name M/s Dutt Enterprise Ltd), 670, Mauja Darhara, Etmadpur, Agra

CTE Issued:14.12.2004

EC Issued: Not applicable as established in the year 2004

A. Bedded HCFs-

- Number of Bedded HCFs in 75 kms radius = 1103
- Number of beds in bedded HCFs = 21027
- **BMW as per CPCB gap calculation method =**
Number of beds x 0.274 Kg/ day = 5761.39 Kg/ day

B. Non- Bedded HCFs

- Number of non-bedded HCFs in 75 kms radius = 1235
- **BMW Assessed = Numbers of Non- Bedded HCF x 0.274 Kg/ day =**
338.39 Kg/ day

Total Bio-medical Waste (bedded + non-bedded HCFs) =6099.78
Kg/day approx.6010 Kg/day

The Blockwise data of HCFs and BMW generation is annexed as Annexure -2



C. Status of Treatment Capacity in 75 kms (Incinerable capacity)

- CBWTFs in 75 kms radius -
 - M/s JRR Waste Management Agra (consented incineration capacity 200 Kg/hr)
 - M/s Bio Medical Waste Disposal Agency Mathura (consented incineration capacity 200 Kg/hr)
- **Total Incinerable Capacities of 2 CBWTFs (considering all static)**
= 400 Kg / hour x 20 hours = **8000 Kg /day**

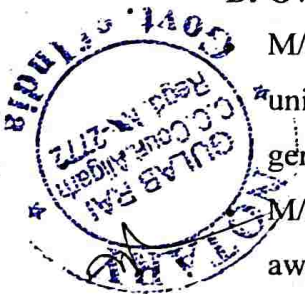
Current GAP Calculation

Entity	As per above data
Total BMW	6010 Kg/ day
Total Incinerable waste 80 % of total BMW	4808 Kg/ day
Gap at present (Total Incinerable BMW – Total Incinerable Capacity for 20 hrs operation)	Nil

D. Overlapping area:

M/s Green House Waste Management Facility is approx. 80 km from the unit, with approx. 51% of the area in the 75 km radial overlapping area, generating approx. 2302 kg/day of BMW.

M/s Bio Medical Waste Disposal Agency, Mathura, is approx. 55 km away, with approx. 76% of the area in the 75 km radial overlapping area, generating approx. 5036 kg/day of BMW.



- M/s Punah Chakran, Sambhal, is approx. 119 km away, with approx. 23% of the area in the 75 km radial overlapping area, generating approx. 2302 kg/day of BMW.
- The proposed unit, M/s Indotech Waste Solution, Kasganj, is approx. 91 km away, with approx. 44% of the area in the 75 km radial overlapping area, generating approx. 2914 kg/day of BMW.

The diagram showing above overlapping is annexed as Annexure 3

5.2. M/s Bio Medical Waste Disposal Agency, 622, Padrona Raya Mat, Mathura

CTE issued : 26.12.2008

EC issued : Not applicable as established in the year 2008

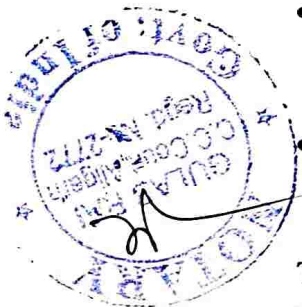
A. Bedded HCFs-

- Numbers of Bedded HCFs in 75 kms radius = 1187
- Numbers of beds in bedded HCFs = 23474
- **BMW as per CPCB gap calculation method = Numbers of bed x 0.274 Kg/ day = 6431.87 Kg/ day**

B. Non- Bedded HCFs

- Number of non-bedded HCFs in 75 kms radius = 1318
- **BMW Assessed = Numbers of Non- Bedded HCF x 0.274 Kg/ day = 361.13 Kg/ day**
- **Total Bio-medical Waste (bedded + non-bedded HCFs) = 6793.008 Kg/day approx. 6793 Kg/day**

The Block wise data of HCFs and BMW generation is annexed as Annexure 4



C. Status Treatment Capacity in 75 kms (Incinerable capacity)

- CBWTFs in 75 kms radius -
 - M/s JRR Waste Management Agra (consented incineration capacity 200 Kg/hr)
 - M/s Bio Medical Waste Disposal Agency Mathura (consented incineration capacity 200 Kg/hr)
- **Total Incinerable Capacities of 2 CBWTFs (considering all static)**
= 400 Kg / hour x 20 hours = **8000 Kg /day**

Current GAP Calculation

Entity	As per above data
Total BMW	6793 Kg/ day
Total Incinerable waste 80 % of total BMW	5434 Kg/ day
Gap at present (Total Incinerable BMW – Total Incinerable Capacity for 20 hrs operation)	Nil

D. Overlapping area:

M/s JRR Waste Management, Agra, is approx. 55 km away, with approx. 71% of the area in the 75 km radial overlapping area, generating approx. 5036 kg/day of BMW.

M/s Green House Waste Management, Mainpuri, is approx. 121 km away, with approx. 19% of the area in the 75 km radial overlapping area, generating approx. 1292 kg/day of BMW.



- M/s Punah Chakran, Sambhal, is approx. 95 km away, approx. 46% of the area in the 75 km radial overlapping area, generating approx. 4431 kg/day of BMW.
- The proposed unit, M/s Indotech Waste Solution, Kasganj, is approx. 85 km away, approx. 51% of the area in the 75 km radial overlapping area, generating approx. 3515 kg/day of BMW.
- Two CBWTFs in Ghaziabad (M/s Environ Waste Connection LLP and M/s Medicare Environmental Management Pvt. Ltd.) are approx. 119 km from M/s Bio Medical Waste Disposal Agency, Mathura, overlapping approx. 20% of the area, which generates approx. 1498 kg/day of BMW.
- M/s Synergy Waste Management, Meerut, overlaps approx. 2% of the area, generating approx. 443 kg/day of BMW.

The diagram showing above overlapping is annexed as Annexure 5

5.3. M/s Punah Chakran Pvt Ltd, Sambhal

CTE issued: 20.12.2023

EC issued: 20.12.2023

A. Bedded HCFs-

- Number of Bedded HCFs in 75 kms radius = 1557
- Number of beds in bedded HCFs = 33059
- BMW as per CPCB gap calculation method =
Number of beds x 0.274 Kg/ day = 9058.16 Kg/ day

B. Non- Bedded HCFs

- Number of non-bedded HCFs in 75 kms radius = 1312



- **BMW Assessed** = Numbers of Non- Bedded HCF x 0.274 Kg/ day
=359.48 Kg/ day
- **Total Bio-medical Waste (bedded + non-bedded HCFs)** =9417.65 Kg/day approx. 9418 Kg/day

The Block wise data of HCFs and BMW generation is annexed as **Annexure 6**

C. Status of Treatment Capacity in 75 kms (Incinerable capacity)

- CBWTFs in 75 kms radius
 - M/s Punahchakran Ltd (consented incineration capacity 250 Kg/hr)
 - M/s Sushila Bio Medical Waste management (consented incineration capacity 300 Kg/hr) (distance 73.9 Kms)
- **Total Incinerable Capacities of 2 CBWTFs (considering all static)**
= 550 Kg / hour x 20 hours = **11000 Kg /day**

Current GAP Calculation

Entity	As per above data
Total BMW	9418 Kg/ day
Total Incinerable waste 80 % of total BMW	7532 Kg/ day
Gap at present (Total Incinerable BMW – Total Incinerable Capacity for 20 hrs operation)	Nil

D. Overlapping area:

- M/s Green House Waste Management Facility is approx. 125 km away, with approx. 13% of the area in the 75 km radial overlapping area, generating approx. 454 kg/day of BMW.



- M/s Bio Medical Waste Disposal Agency, Mathura, is approx. 95 km away, with approx. 35% of the area in the 75 km radial overlapping area, generating approx. 4071 kg/day of BMW.
- M/s JRR Waste Management Facility, Agra, is approx. 119 km away, with approx. 15% of the area in the 75 km radial overlapping area, generating approx. 735 kg/day of BMW.
- The proposed unit, M/s Indotech Waste Solution, Kasganj, is approx. 39 km away, with approx. 81% of the area in the 75 km radial overlapping area, generating approx. 3128 kg/day of BMW.
- Additionally, four other CBWTFs (M/s Shushila Bio Medical, Moradabad; M/s SP Green Light LLP, Shahjahanpur; M/s Environ Waste Management, Hapur; and M/s Medicare, Amarpur Lodha) also overlap within the 75 km radius of M/s Punah Chakran, Sambhal.

The diagram showing above overlapping is annexed as **Annexure 7**

5.4. M/s Green House Waste Management, Mainpuri

CTE issued:29.10.2020

EC issued: 12.06.2021

A. Bedded HCFs-

- Numbers of Bedded HCFs in 75 kms radius = 1316
- Numbers of beds in bedded HCFs = 22829
- **BMW as per CPCB gap calculation method =**
Numbers of bed x 0.274 Kg/ day = 6255.146 Kg/ day

B. Non- Bedded HCFs

- Number of non-bedded HCFs in 75 kms radius = 843



- **BMW Assessed** = Numbers of Non- Bedded HCF x 0.274 Kg/ day = 230.98 Kg/ day
- **Total Bio-medical Waste (bedded + non-bedded HCFs)** =6486.128 Kg/day approx. 6486 Kg/day

The data of Block wise data of HCFs and BMW generation is annexed as **Annexure 8**

C. Status of Treatment Capacity in 75 kms (Incinerable capacity)

- CBWTFs in 75 kms radius
 - Green House Waste Management, Mainpuri (consented incineration capacity 200 Kg/hr)
- **Total Incinerable Capacities of 1 CBWTF (considering all static) = 200 Kg / hour x 20 hours = 4000 Kg /day**

Current GAP Calculation

Entity	As per above data
Total BMW	6486 Kg/ day
Total Incinerable waste 80 % of total BMW	5188 Kg/ day
Gap at present (Total Incinerable BMW – Total Incinerable Capacity for 20 hrs operation)	1188 Kg/day

D. Overlapping area:

- M/s JRR Waste Management, Agra, is approx. 80 km away, with approx. 45% of the area in the 75 km radial overlapping area, generating approx. 2302 kg/day of BMW.

- M/s Bio Medical Waste Disposal Agency, Mathura, is approx. 121 km away, with approx. 19% of the area in the 75 km radial overlapping area, generating approx. 1266 kg/day of BMW.
- M/s Punah Chakran Ltd., Sambhal, is approx. 125 km away, with approx. 15% of the area in the 75 km radial overlapping area, generating approx. 454 kg/day of BMW.
- The proposed unit, M/s Indotech Waste Solution, Kasganj, is approx. 85 km away, with approx. 43% of the area in the 75 km radial overlapping area, generating approx. 879 kg/day of BMW.
- Additionally, M/s SP Green Light LLP, Shahjahanpur, overlaps within the 75 km radius of M/s Green House Waste Management, Mainpuri.

The diagram showing above overlapping is annexed as **Annexure 9**

5.5. M/s Indotech Waste Solution, Kasganj.(Proposed)

CTE issued:Not issued

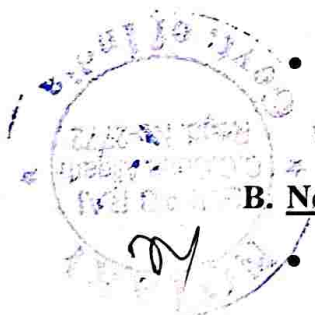
EC issued: Not issued

A. Bedded HCFs-

- Numbers of Bedded HCFs in 75 kms radius = 994
- Numbers of beds in bedded HCFs = 17294
- **BMW as per CPCB gap calculation method** = Numbers of bed x 0.274 Kg/ day = 4738.55 Kg/ day

B. Non- Bedded HCFs

- Number of non-bedded HCFs in 75 kms radius = 746
- **BMW Assessed** = Numbers of Non- Bedded HCF x 0.274 Kg/ day = 204.4 Kg/ day



- **Total Bio-medical Waste (bedded + non-bedded HCFs) =4942.96 Kg/day approx. 4943 Kg/day**

The Block wise data of HCFs and BMW generation is annexed as **Annexure 10**

C. Status of Treatment Capacity in 75 kms (Incinerable capacity)

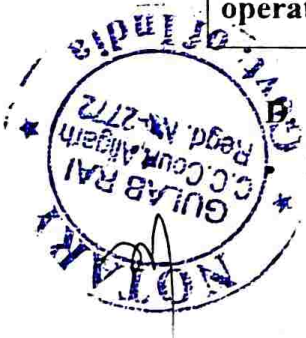
- CBWTFs in 75 kms radius
 - M/s Punahchakran Pvt Ltd, Sambhal (consented incineration capacity 250 Kg/hr)
- **Total Incinerable Capacities of 1 CBWTF (considering all static) = 250 Kg / hour x 20 hours = 5000 Kg /day**

Current GAP Calculation

Entity	As per above data
Total BMW	4943 Kg/ day
Total Incinerable waste 80 % of total BMW	3954.4Kg/ day
Gap at present (Total Incinerable BMW – Total Incinerable Capacity for 20 hrs operation)	Nil

Overlapping area:

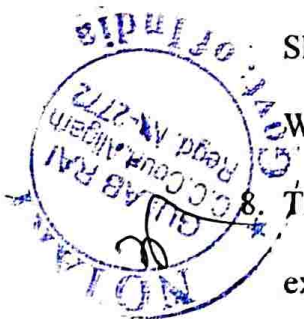
M/s Green House Waste Management, Mainpuri, is approx. 85.6 km away, with approx. 41% of the area in the 75 km radial overlapping area, generating approx. 878 kg/day of BMW.



- M/s Bio Medical Waste Disposal Agency, Mathura, is approx. 85 km away, with approx. 39% of the area in the 75 km radial overlapping area, generating approx. 3515 kg/day of BMW.
- M/s Punah Chakran Ltd., Sambhal, is approx. 39 km away, with approx. 81% of the area in the 75 km radial overlapping area, generating approx. 3128 kg/day of BMW.
- M/s JRR Waste Management, Agra, is approx. 91 km away, with approx. 36% of the area in the 75 km radial overlapping area, generating approx. 2914 kg/day of BMW.
- Additionally, five other CBWTFs (M/s Shushila Bio Medical, Moradabad; M/s SP Green Light LLP, Shahjahanpur; M/s Environ Waste Management, Hapur; M/s Synergy Waste Management, Meerut; and M/s Medicare, Amarpur Lodha) also overlap within the 75 km radius of M/s Indotech Waste Solution, Kasganj.

The diagram showing above overlapping is annexed as Annexure 11

6. The diagram previously submitted by UPPCB to the Hon'ble Tribunal is reproduced as Annexure 12, highlighting in red the area not covered by the four existing CBWTFs.
7. The uncovered area applied for by the applicant generates approx. 50 kg/day of BMW and falls within the coverage of M/s SP Green Light LLP, Shahjahanpur. M/s SP Green Light LLP is 109 km from M/s Indotech Waste Solution and 30 km from the uncovered area.
8. The gap analysis shows no need for a new CBWTF in the region, as existing CBWTFs have excess capacity. Annexure 13 includes a regional coverage diagram, and Annexure 14 provides data on HCFs, BMW



generation, and CBWTF capacities. The region with five CBWTFs includes 170 blocks generating approx.16,931 kg/day of BMW, of which approx.13,545 kg/day is incinerable. The total incineration capacity, including overlaps, is approx.26,000 kg/day, while the four CBWTFs alone have a consented incineration capacity of 850 kg/hour (approx.17,000 kg/day), exceeding current BMW generation.

9. This response and Gap Analysis Report is submitted by UPPCB for the Hon'ble Tribunal's kind perusal and consideration.



DEPONENT

VERIFICATION:

Verified at _____ on this ___ day of January 2025 that the contents of the above affidavit are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom.



DEPONENT



S. No. 208 Date 20/1/2025
 Solemnly affirmed before me
 Affidavit by Shri. 21/1/2025
 identified by Shri. [Signature]
 who has been heard the contents here
 and have bought admitted the same
 to be correct.
 place
 20/1/2025

GULAB RAI
 (Notary Govt of India)
 (Notary) G O I, Aligarh
 Regd. No. 277

134016/2023/WM-I-HO

Annexure -01

By Speed Post

F. No. B-31011-BMW (3398)-2023-WM-I

October 10, 2023

To,

The Member Secretary,
All SPCB and PCC

4933-68

Sub: Regarding methodology to conduct gap analysis with respect to generation and treatment of biomedical waste -reg.

Sir/Madam,

It is to inform that State Pollution Control Boards/Pollution Control Committees are required to conduct gap analysis with respect to generation and treatment of biomedical waste in respective State/UT. A format for conducting gap analysis is given in CPCB guidelines for Common Bio-medical Waste Treatment Facilities. Few State Boards have prepared gap analysis report adopting their own methodology. The matter was also discussed in Central Monitoring Committee meeting on 18.07.2023 wherein need for adopting uniform methodology was emphasised. Hence, to avoid the ambiguity and to adopt uniform procedure, CPCB has prepared a methodology to conduct gap analysis (Copy attached herewith for ready reference).

In view of above, it is requested to kindly conduct gap analysis with respect to generation and treatment of biomedical waste in your State/UT using the aforesaid methodology and report may be submitted to CPCB within one month.

Yours faithfully,



(V. P. Yadav)

Director & Head

Waste Management -I Division

Encl. As above

Copy to:

i. PS to 'MS'

: For kind information of 'MS' please



(V. P. Yadav)

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
निर्गत... MSing %
दिनांक 18/10/2023

Methodology to Conduct gap analysis with respect to generation and treatment of biomedical waste

Guidelines for Common Biomedical Waste Treatment Facilities was prepared by CPCB with an aim to have uniformity in ensuring site selection, allowing and establishment of a state-of-the-art Common Biomedical Waste Treatment Facilities (CBWTFs), operation as well as verification of compliance to the BMWM Rules, 2016 throughout the country. As per the said guideline, SPCB/PCC is required to prepare an inventory or review with regard to the bio-medical waste generation at least once in five years in the coverage areas of the existing CBWTF and conduct gap analysis as per format given in Annexure-I of the guideline.

To avoid the ambiguity and maintaining the uniformity for conducting gap analysis a methodology is suggested for estimating generation, treatment of biomedical waste and its extrapolation in the State and coverage area of CBMWTF. It is elaborated in following table.

S. No.	Parameters	Details
1.	Coverage area of CBWTF	Up to 75 km
2.	No. of HCFs (Bedded and non-bedded)	In Number
3.	No. of Beds covered	In Number
4.	Total biomedical waste generation (in Kg/day)	The generation may be calculated considering following factors: a) Generation from Bedded hospital (in absence of availability of required information biomedical waste generation may be taken as 274 grams per bed) b) Biomedical waste generated from non-bedded HCFs and other sources also be considered
5.	Extrapolate the biomedical waste generation for next years	Extrapolation may be based on factors such as population growth of the districts/cities covered by CBWTF, Rate of increase in number of HCFs/beds in past years etc. as decided by SPCB in consultation with Health department and CBMWTF associations.
6.	Total existing treatment capacity (in Kg/day) (Sum of Incineration Capacity and Autoclave/Microwave/Hydroclave Capacity)	For calculation of existing treatment capacity, maintenance time may be considered for calculating operational hours of equipment as below: a) Operational Hours for static incinerator 20 hrs/day b) Operational hours for Rotary incinerator 22 hrs/day

		c) 18 cycle per day for autoclave The actual capacity may be considered as 90% of available capacity keeping 10% margin for diverted/extra waste etc.
7.	Total Biomedical Waste treated and disposed (Kg/day)	Sum of all categories of biomedical waste treated and disposal.
8.	Gap between total extrapolated biomedical waste generation (for next 10 years) and existing biomedical waste treatment capacity	Extrapolate the biomedical waste generation minus total existing treatment capacity

Based on the above data, the gap between existing treatment capacity and need of additional treatment capacity should be examined after carrying out gap analysis at coverage area/city level and State level.

JRR Waste Management,Agra

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non-Beded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)
1	Agra	Agra	Achhnera	2	38	10.412	8	2.192	12.604	10.0832		
2			Akola	1	30	8.22	1	0.274	8.494	6.7952	—	—
3			Bah	4	45	12.33	3	0.822	13.152	10.5216		
4			Barauli Ahir	3	140	38.36	1	0.274	38.634	30.9072	—	—
5			Bichpuri	1	30	8.22	0	0	8.22	6.576		
6			Etamadpur	5	65	17.81	6	1.644	19.454	15.5632		
7			Fatehabad	18	210	57.54	9	2.466	60.006	48.0048		
8			Fatehpur Sikri	2	40	10.96	1	0.274	11.234	8.9872		
9			Jagner	4	45	12.33	4	1.096	13.426	10.7408		
10			Jaitpur Kalan	1	30	8.22	1	0.274	8.494	6.7952		
11			Khandoli	3	51	13.974	6	1.644	15.618	12.4944		
12			Kheragarh	6	68	18.632	4	1.096	19.728	15.7824		
13			Pinahat	2	33	9.042	1	0.274	9.316	7.4528		
14			Saiyan	2	40	10.96	1	0.274	11.234	8.9872		
15			Shamsabad	9	187	51.238	5	1.37	52.608	42.0864		
16	Aligarh	Aligarh	Akrabad	9	102	27.948	4	1.096	29.044	23.2352		
17			Dhanipur	339	6422	1759.628	422	115.628	1875.256	1500.2048		
18			Gangiri	23	224	61.376	11	3.014	64.39	51.512		
19			Gonda	10	88	24.112	3	0.822	24.934	19.9472		
20			Iglas	15	550	150.7	13	3.562	154.262	123.4096		
21			Lodha	51	1079	295.646	9	2.466	298.112	238.4896		
22	Etah	Aligarh	Awagarh	1	100	27.4	2	0.548	27.948	22.3584		
23			Jalesar	2	20	5.48	3	0.822	6.302	5.0416		
24			Marehra	2	160	43.84	0	0	43.84	35.072		
25			Nidhauri Kalan	0	0	0	0	0	0	0		
26			Sakit	1	15	4.11	0	0	4.11	3.288		
27			Shitalpur	1	10	2.74	8	2.192	4.932	3.9456		
28	Etawah	Firozabad	Jaswant Nagar	10	260	71.24	3	0.822	72.062	57.6496		
29	Firozabad	Firozabad	Eka	9	71	19.454	7	1.918	21.372	17.0976		
30			Firozabad	144	1798	492.652	169	46.306	538.958	431.1664		
31			Jasrana	8	78	21.372	0	21.372	17.0976			
32			Khairgarh	1	5	1.37	1	0.274	1.644	1.3152		
33			Madanpur	20	200	54.8	15	4.11	58.91	47.128		
34			Narkhi	1	4	1.096	0	1.096	0.8768			
35			Araun	14	161	44.114	6	1.644	45.758	36.6064		
36			Shikohabad	75	1216	333.184	35	9.59	342.774	274.2192		
37			Tundala	32	1062	290.988	35	9.59	300.578	240.4624		

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)
38	Hathras	Aligarh	Hasayan	0	0	0	1	0.274	0.274	0.2192		
39			Hathras	2	20	5.48	1	0.274	5.754	4.6032		
40			Mursan	2	10	2.74	0	0	2.74	2.192		
41			Sadabad	2	18	4.932	2	0.548	5.48	4.384		
42			Sahpau	3	38	10.412	2	0.548	10.96	8.768		
43			Sasni	1	2	0.548	0	0	0.548	0.4384		
44			Sikandra Rao	4	115	31.51	1	0.274	31.784	25.4272		
45	Kasganj	Aligarh	Amanpur	10	48	13.152	0	0	13.152	10.5216		
46			Kasganj	34	647	177.278	32	8.768	186.046	148.8368		
47			Sidhpura	5	20	5.48	3	0.822	6.302	5.0416		
48	Mainpuri	Firozabad	Barnahal	6	50	13.7		0	13.7	10.96		
49			Ghiror	14	103	28.222	2	0.548	28.77	23.016		
50			Karhal	20	176	48.224	6	1.644	49.868	39.8944		
51			Kuraoli	14	104	28.496	6	1.644	30.14	24.112		
52			Mainpuri	84	1166	319.484	78	21.372	340.856	272.6848		
53	Mathura	Mathura	Baldeo	16	110	30.14	4	1.096	31.236	24.9888		
54			Chaumuhan	12	80	21.92	4	1.096	23.016	18.4128		
55			Farah	12	108	29.592	2	0.548	30.14	24.112		
56			Govardhan	8	86	23.564	4	1.096	24.66	19.728		
57			Maat	8	140	38.36	5	1.37	39.73	31.784		
58			Mathura	3	3153	863.922	280	76.72	940.642	752.5136		
59			Nohjhil	8	75	20.55	3	0.822	21.372	17.0976		
60			Raya	4	81	22.194	2	0.548	22.742	18.1936	Bio Medical waste Disposal Agency , Raya Mathura	200
Total				1103	21027	5761.398	1235	338.39	6099.788	4879.8304	0	200

JRR Waste Management, Agra, Uttar Pradesh

Annexure-3

585



Summary of JRR Waste Management,Agra						
S No.	CBWTF	Name of Overlapping CBWTF	Area Covered (in %)	Distance(in Km)	No.of Blocks	Total BMW (Kg/Day)
1	JRR Waste Management,Agra	Green House	44.86	80.82	31	2302.964
2		Bio medical	76.06	55.52	43	5036.12
3		Punah chakran	23.64	119.5	16	2738.63
4		Indotech	44.26	91.23	28	2914.538

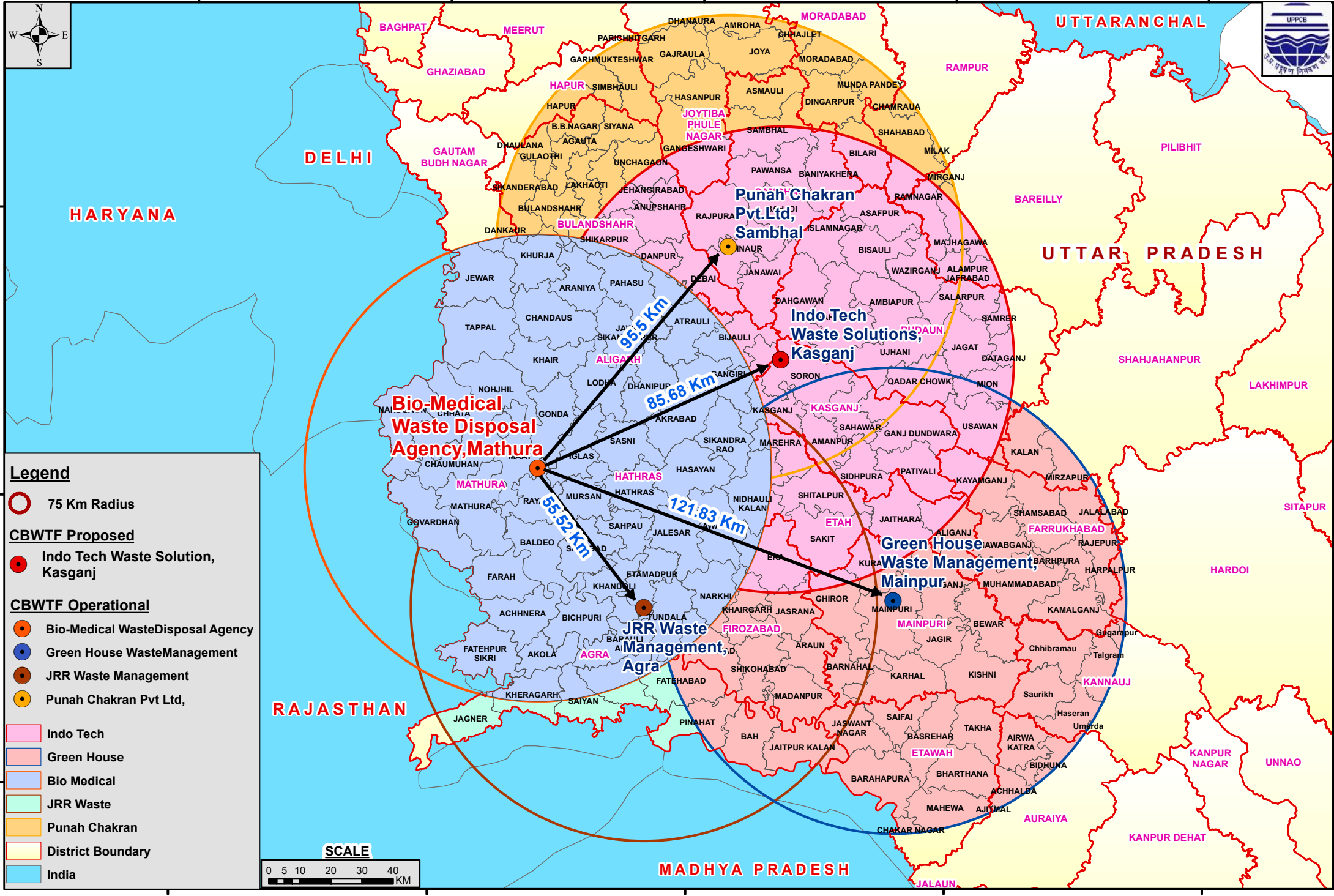
Bio-Medical Waste Disposal Agency, Mathura

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinerable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)	Type of Incinerator
1	Agra	Agra	Achhnera	2	38	10.412	8	2.192	12.604	10.0832			
2			Akola	1	30	8.22	1	0.274	8.494	6.7952			
3			Barauli Ahir	3	140	38.36	1	0.274	38.634	30.9072			
4			Bichpuri	1	30	8.22	0	0	8.22	6.576			
5			Etamadpur	5	65	17.81	6	1.644	19.454	15.5632	JRR Waste Management, Agra, CTE Granted	200 Kg/hr	Static
6			Fatehabad	18	210	57.54	9	2.466	60.006	48.0048			
7			Fatehpur Sikri	2	40	10.96	1	0.274	11.234	8.9872			
8			Jagner	4	45	12.33	4	1.096	13.426	10.7408			
9			Khandoli	3	51	13.974	6	1.644	15.618	12.4944			
10			Kheragarh	6	68	18.632	4	1.096	19.728	15.7824			
11			Saiyan	2	40	10.96	1	0.274	11.234	8.9872			
12			Shamsabad	9	187	51.238	5	1.37	52.608	42.0864			
13	Aligarh	Aligarh	Akrabad	9	102	27.948	4	1.096	29.044	23.2352			
14			Atrauli	26	383	104.942	9	2.466	107.408	85.9264			
15			Chandaus	18	263	72.062	12	3.288	75.35	60.28			
16			Dhanipur	339	6422	1759.628	422	115.628	1875.256	1500.2048			
17			Gangiri	23	224	61.376	11	3.014	64.39	51.512			
18			Gonda	10	88	24.112	3	0.822	24.934	19.9472			
19			Iglas	15	550	150.7	13	3.562	154.262	123.4096			
20			Jawa Sikandarapur	8	187	51.238	2	0.548	51.786	41.4288			
21			Khair	13	269	73.706	14	3.836	77.542	62.0336			
22			Lodha	51	1079	295.646	9	2.466	298.112	238.4896			
23			Tappal	18	198	54.252	18	4.932	59.184	47.3472			
24			Bijauli	8	95	26.03	0	0	26.03	20.824			
25	Bulandshahr	Bulandshahr	Araniya	3	32	8.768	2	0.548	9.316	7.4528			
26			Danpur	12	101	27.674	2	0.548	28.222	22.5776			
27			Debai	24	295	80.83	15	4.11	84.94	67.952			
28			Khurja	46	764	209.336	23	6.302	215.638	172.5104			
29			Pahasu	6	59	16.166	9	2.466	18.632	14.9056			
30			Shikarpur	6	52	14.248	2	0.548	14.796	11.8368			
31			Sikanderabad	29	633	173.442	24	6.576	180.018	144.0144			
32			Bulandshahr	125	2169	594.306	102	27.948	622.254	497.8032			
33	Etah	Aligarh	Awagarh	1	100	27.4	2	0.548	27.948	22.3584			
34			Jalesar	2	20	5.48	3	0.822	6.302	5.0416			
35			Marehra	2	160	43.84	0	0	43.84	35.072			
36			Nidhauri Kalan	0	0	0	0	0	0	0			
37	Firozabad	Firozabad	Eka	9	71	19.454	7	1.918	21.372	17.0976			
38			Firozabad	144	1798	492.652	169	46.306	538.958	431.1664			
39			Khairgarh	1	5	1.37	1	0.274	1.644	1.3152			
40			Narkhi	1	4	1.096	0	0	1.096	0.8768			
41			Tundala	32	1062	290.988	35	9.59	300.578	240.4624			
42	Gautam Budh	Greater Noida	Dankaur	6	174	47.676	2	0.548	48.224	38.5792			
43			Jewar	12	347	95.078	10	2.74	97.818	78.2544			

44	Hathras	Aligarh	Hasayan	0	0	0	588	0.274	0.274	0.2192				
45			Hathras	2	20	5.48		1	0.274	5.754	4.6032			
46			Mursan	2	10	2.74		0	0	2.74	2.192			
47			Sadabad	2	18	4.932		2	0.548	5.48	4.384			
48			Sahpau	3	38	10.412		2	0.548	10.96	8.768			
49			Sasni	1	2	0.548		0	0	0.548	0.4384			
50			Sikandra Rao	4	115	31.51		1	0.274	31.784	25.4272			
51	Kasganj	Aligarh	Kasganj	34	647	177.278	32	8.768	186.046	148.8368				
52	Mathura	Mathura	Baldeo	16	110	30.14	4	1.096	31.236	24.9888				
53			Chaumuhan	12	80	21.92	4	1.096	23.016	18.4128				
54			Chhata	12	105	28.77	3	0.822	29.592	23.6736				
55			Farah	12	108	29.592	2	0.548	30.14	24.112				
56			Govardhan	8	86	23.564	4	1.096	24.66	19.728				
57			Maat	8	140	38.36	5	1.37	39.73	31.784				
58			Mathura	3	3153	863.922	280	76.72	940.642	752.5136				
59			Nandgaon	1	36	9.864	1	0.274	10.138	8.1104				
60			Nohjhil	8	75	20.55	3	0.822	21.372	17.0976				
61	Raya	4	81	22.194	2	0.548	22.742	18.1936						
Total				1187	23474	6431.876	1318	361.132	6793.008	5434.4064	0	0		

Bio-Medical Waste Disposal Agency Mathura, Uttar Pradesh

76°40'0"E 77°30'0"E 78°20'0"E 79°10'0"E 80°0'0"E



Legend

- 75 Km Radius
- CBWTF Proposed**
 - Indo Tech Waste Solution, Kasganj
- CBWTF Operational**
 - Bio-Medical Waste Disposal Agency Mathura
 - Green House Waste Management
 - JRR Waste Management
 - Punah Chakran Pvt Ltd,
- Indo Tech
- Green House
- Bio Medical
- JRR Waste
- Punah Chakran
- District Boundary
- India

SCALE

0 5 10 20 30 40 KM

76°40'0"E 77°30'0"E 78°20'0"E 79°10'0"E 80°0'0"E

28°20'0"N

27°30'0"N

26°40'0"N

28°20'0"N

27°30'0"N

26°40'0"N

Summary of Bio-Medical Waste Disposal Agency, Mathura						
S No.	CBWTF	Name of Overlapping CBWTF	Area Covered (in %)	Distance(in Km)	No.of Blocks	Total BMW (Kg/Day)
1	Bio-Medical Waste Disposal Agency, Mathura	JRR	76.06	55.52	43	5036.12
2		Green House	19.50	121.83	15	1266.976
3		Punah chakran	46.06	95.5	29	4431.402
4		Indotech	51.08	85.68	32	3515.42

Punah Chakran Pvt Ltd., Sambhal

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non -Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinerable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)	Type of incinerator	
1	Aligarh	Aligarh	Akrabad	26	383	104.942	9	2.466	107.408	85.9264				
2			Atrauli	8	95	26.03	0	0	26.03	20.824				
3			Chandaus	23	224	61.376	11	3.014	64.39	51.512				
4			Dhanipur	18	263	72.062	12	3.288	75.35	60.28				
5			Gangiri	8	187	51.238	2	0.548	51.786	41.4288				
6			Gonda	10	88	24.112	3	0.822	24.934	19.9472				
7			Iglas	15	550	150.7	13	3.562	154.262	123.4096				
8			Jawa Sikandarpur	13	269	73.706	14	3.836	77.542	62.0336				
9			Khair	18	198	54.252	18	4.932	59.184	47.3472				
10			Lodha	9	102	27.948	4	1.096	29.044	23.2352				
11			Tappal	339	6422	1759.628	422	115.628	1875.256	1500.2048				
12			Bijauli	51	1079	295.646	9	2.466	298.112	238.4896				
13	Bareilly	Bareilly	Alampur Jafrabad	1	30	8.22	0	0	8.22	6.576				
14			Majhagawa	3	50	13.7	0	0	13.7	10.96				
15			Mirganj	2	16	4.384	0	0	4.384	3.5072				
16			Ramnagar	1	69	18.906	0	0	18.906	15.1248				
17	Budaun	Bareilly	Ambiapur	6	95	26.03	0	0	26.03	20.824				
18			Asafpur	5	70	19.18	1	0.274	19.454	15.5632				
19			Bisauli	11	125	34.25	2	0.548	34.798	27.8384				
20			Dahgawan	5	60	16.44	0	0	16.44	13.152				
21			Islamnagar	3	70	19.18	2	0.548	19.728	15.7824				
22			Jagat	6	75	20.55	1	0.274	20.824	16.6592				
23			Qadar Chowk	4	60	16.44	3	0.822	17.262	13.8096				
24			Sahaswan	7	78	21.372	2	0.548	21.92	17.536				
25			Salarpur	6	80	21.92	0	0	21.92	17.536				
26			Ujhani	5	115	31.51	1	0.274	31.784	25.4272				
27			Wazirganj	5	65	17.81	0	0	17.81	14.248				
28	Bulandshahr	Bulandshahr	Anupshahr	18	328	89.872	9	2.466	92.338	73.8704				
29			Araniya	7	74	20.276	6	1.644	21.92	17.536				
30			Danpur	3	20	5.48	4	1.096	6.576	5.2608				
31			Debai	125	2169	594.306	102	27.948	622.254	497.8032				
32			Jhangirabad	21	481	131.794	9	2.466	134.26	107.408				
33			Khurja	3	47	12.878	0	0	12.878	10.3024				
34			Pahasu	12	101	27.674	2	0.548	28.222	22.5776				
35			Shikarpur	24	295	80.83	15	4.11	84.94	67.952				
36			Sikanderabad	3	32	8.768	2	0.548	9.316	7.4528				
37			Siyana	46	764	209.336	23	6.302	215.638	172.5104				
38			Unchagaon	6	59	16.166	9	2.466	18.632	14.9056				
39			Agauta	6	52	14.248	2	0.548	14.796	11.8368				
40			B.B.Nagar	29	633	173.442	24	6.576	180.018	144.0144				
41			Bulandshahr	9	96	26.304	5	1.37	27.674	22.1392				
42			Gulaothi	11	150	41.1	9	2.466	43.566	34.8528				
43			Lakhaoti	1	30	8.22	1	0.274	8.494	6.7952				
44			Marehra	2	160	43.84	0	0	43.84	35.072				
45	Etah	Aligarh	Nidhauli Kalan	0	0	0	0	0	0					

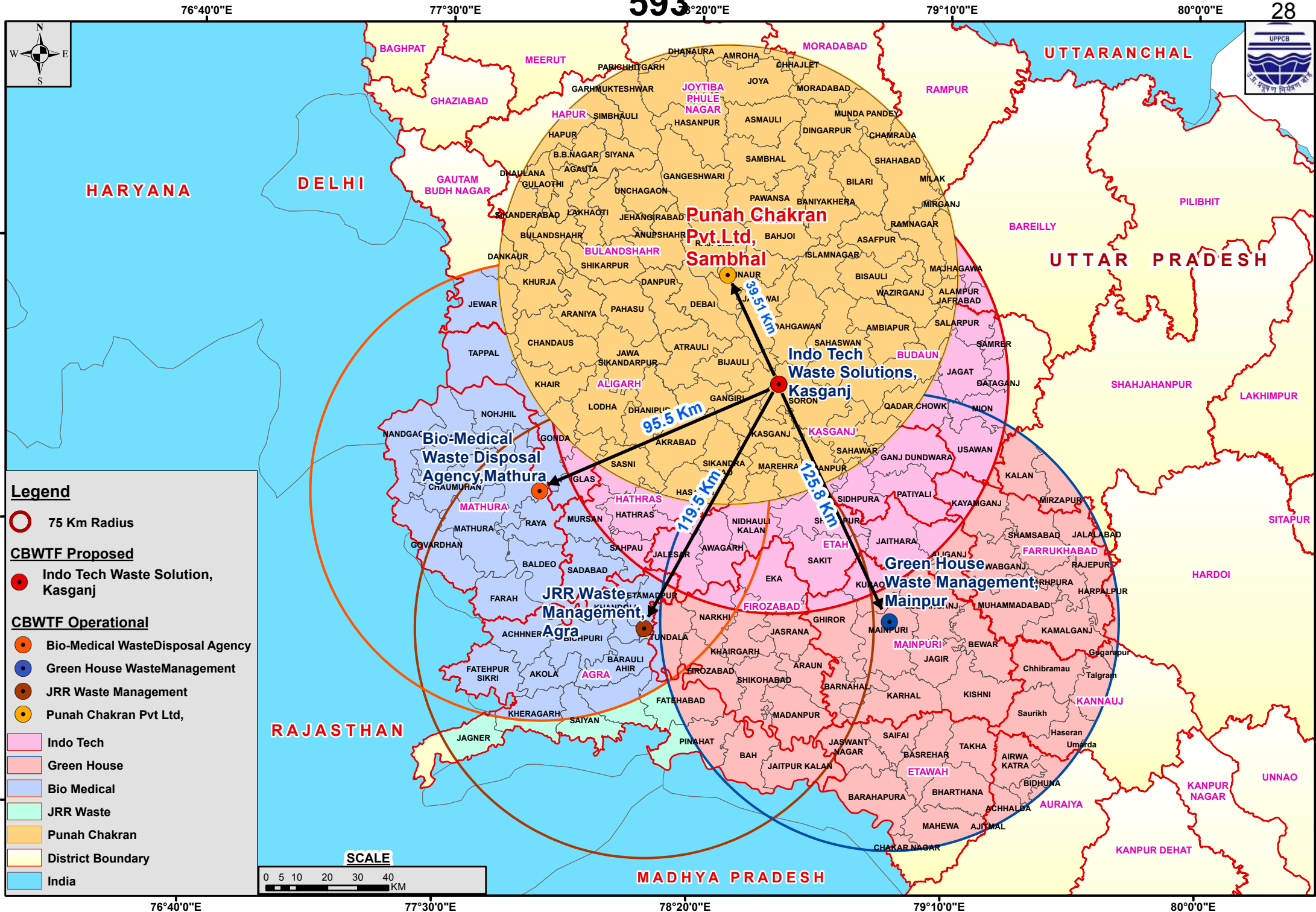
S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non -Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator or (Kg/hr)	Type of incinerator
46			Shitalpur	1	10	2.74	8	2.192	4.932	3.9456			
47	Gautam Budh Nagar	Greater Noida	Dankaur	6	174	47.676	2	0.548	48.224	38.5792			
48			Jewar	12	347	95.078	10	2.74	97.818	78.2544			
49			Dhaulana	70	3949	1082.026	47	12.878	1094.904	875.9232			
50	Hapur	Ghaziabad	Garhmukteshwar	56	513	140.562	44	12.056	152.618	122.0944			
51			Hapur	110	3104	850.496	119	32.606	883.102	706.4816			
52			Simbhauri	13	124	33.976	18	4.932	38.908	31.1264			
53	Hathras	Aligarh	Hasayan	0	0	0	1	0.274	0.274	0.2192			
54			Hathras	2	20	5.48	1	0.274	5.754	4.6032			
55			Sasni	1	2	0.548	0	0	0.548	0.4384			
56			Sikandra Rao	4	115	31.51	1	0.274	31.784	25.4272			
57	J.P.Nagar	Bijnor	Amroha	48	1098	300.852	11	3.014	303.866	243.0928			
58			Dhanaura	18	194	53.156	2	0.548	53.704	42.9632			
59			Gajraula	24	2289	627.186	1	0.274	627.46	501.968			
60			Gangeshwari	5	46	12.604	0	0	12.604	10.0832			
61			Hasanpur	16	265	72.61	2	0.548	73.158	58.5264			
62			Joya	19	437	119.738	1	0.274	120.012	96.0096			
63	Kasganj	Aligarh	Amanpur	10	48	13.152	0	0	13.152	10.5216			
64			Ganj Dundwara	10	225	61.65	8	2.192	63.842	51.0736			
65			Kasganj	34	647	177.278	32	8.768	186.046	148.8368			
66			Sahawar	5	52	14.248	4	1.096	15.344	12.2752			
67			Sidhpura	5	20	5.48	3	0.822	6.302	5.0416			
68			Soron	9	70	19.18	0	0	19.18	15.344			
69	Meerut	Meerut	Parichhitgarh	4	85	23.29	4	1.096	24.386	19.5088			
70	Moradabad	Moradabad	Bilari	2	19	5.206	4	1.096	6.302	5.0416			
71			Chhajlet	1	9	2.466	2	0.548	3.014	2.4112			
72			Dingarpur	0	0	0	0	0	0	0			
73			Moradabad	94	1258	344.692	186	50.964	395.656	316.5248			
74			Munda Pandey	1	100	27.4	1	0.274	27.674	22.1392			
75	Rampur	Moradabad	Chamraua	1	150	41.1	2	0.548	41.648	33.3184			
76			Milak	0	0	0	0	0	0	0			
77			Shahabad	0	0	0	0	0	0	0			
78	Sambhal	Moradabad	Bahjoi	14	211	57.814	17	4.658	62.472	49.9776			
79			Gunnaur	1	10	2.74	1	0.274	3.014	2.4112			
80			Janawai	0	0	0	0	0	0	0			
81			Pawansa	0	0	0	0	0	0	0			
82			Rajpura	0	0	0	1	0.274	0.274	0.2192			
83			Asmauli	2	20	5.48	0	0	5.48	4.384			
84			Sambhal	25	1039	284.686	28	7.672	292.358	233.8864			
85			Baniyakhera	0	0	0	0	0	0	0			
Total				1557	33059	9058.166	1312	359.488	9417.65	7534.123	0		0

592

Punah Chakran Pvt.Ltd.Sambhal, Uttar Pradesh

593

28



Summary of Punah Chakran Pvt Ltd., Sambhal						
S No.	CBWTF	Name of Overlapping CBWTF	Area Covered (in %)	Distance(in Km)	No.of Blocks	Total BMW (Kg/Day)
1	Punah Chakran Pvt Ltd., Sambhal	Green House	15.77	125.8	14	454.566
2		JRR	23.64	119.5	16	2738.63
3		Bio medical	46.06	95.5	29	4431.402
4		Indotech	81.10	39.51	60	3128.532

Green House Waste Management, Mainpuri

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non-Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)
1	Agra	Agra	Bah	4	45	12.33	3	0.822	13.152	10.5216		
2			Etamadpur	5	65	17.81	6	1.644	19.454	15.5632		
3			Fatehabad	18	210	57.54	9	2.466	60.006	48.0048		
4			Jaitpur Kalan	1	30	8.22	1	0.274	8.494	6.7952		
5			Pinahat	2	33	9.042	1	0.274	9.316	7.4528		
6	Auraiya	Kanpur Dehat	Achhalda	8	82	22.468	7	1.918	24.386	19.5088		
7			Ajitmal	12	298	81.652	21	5.754	87.406	69.9248		
8			Airwa Katra	5	52	14.248	4	1.096	15.344	12.2752		
9			Bidhuna	28	388	106.312	28	7.672	113.984	91.1872		
10	Budaun	Bareilly	Jagat	6	75	20.55	1	0.274	20.824	16.6592		
11			Qadar Chowk	4	60	16.44	3	0.822	17.262	13.8096		
12			Ujhani	5	115	31.51	1	0.274	31.784	25.4272		
13			Usawan	5	62	16.988	0	0	16.988	13.5904		
14			Mion	6	80	21.92	0	0	21.92	17.536		
15	Etah	Aligarh	Aliganj	0	0	0	1	0.274	0.274	0.2192		
16			Awagarh	1	100	27.4	2	0.548	27.948	22.3584		
17			Jaithara	0	0	0	0	0	0	0		
18			Jalesar	2	20	5.48	3	0.822	6.302	5.0416		
19			Marchra	2	160	43.84	0	0	43.84	35.072		
20			Nidhauri Kalan	0	0	0	0	0	0	0		
21			Sakit	1	15	4.11	0	0	4.11	3.288		
22			Shitalpur	1	10	2.74	8	2.192	4.932	3.9456		
23	Etawah	Firozabad	Barahapura	173	2613	715.962	132	36.168	752.13	601.704		
24			Basrchar	6	36	9.864	0	0	9.864	7.8912		
25			Bharthana	22	211	57.814	6	1.644	59.458	47.5664		
26			Chakar Nagar	4	18	4.932	7	1.918	6.85	5.48		
27			Jaswant Nagar	10	260	71.24	3	0.822	72.062	57.6496		
28			Mahewa	10	80	21.92	7	1.918	23.838	19.0704		
29			Saifai	12	1191	326.334	3	0.822	327.156	261.7248		
30			Takha	12	63	17.262	4	1.096	18.358	14.6864		
31	Farrukhabad	Kanpur Nagar	Barhpura	163	3375	924.75	46	12.604	937.354	749.8832		
32			Kayamganj	15	376	103.024	3	0.822	103.846	83.0768		
33			Muhammadabad	15	909	249.066	0	0	249.066	199.2528		
34			Nawabganj	4	220	60.28	0	0	60.28	48.224		
35			Rajepur	8	120	32.88	0	0	32.88	26.304		
36			Shamsabad	6	100	27.4	1	0.274	27.674	22.1392		
37			Kamalaganj	15	376	103.024	3	0.822	103.846	83.0768		
39	Firozabad	Firozabad	Eka	9	71	19.454	7	1.918	21.372	17.0976		
40			Firozabad	144	1798	492.652	169	46.306	538.958	431.1664		
41			Jasrana	8	78	21.372	0	0	21.372	17.0976		
42			Khairgarh	1	5	1.37	1	0.274	1.644	1.3152		
43			Madanpur	20	200	54.8	15	4.11	58.91	47.128		
44			Narkhi	1	4	1.096	0	0	1.096	0.8768		
45			Araun	14	161	44.114	6	1.644	45.758	36.6064		
46			Shikohabad	75	1216	333.184	35	9.59	342.774	274.2192		
47			Tundala	32	1062	290.988	35	9.59	300.578	240.4624		

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non-Beded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)
48	Hardoi	Unnao	Harpalpur	6	206	56.444	6	1.644	58.088	46.4704		
49	Hathras	Aligarh	Hasayan	0	0	0	1	0.274	0.274	0.2192		
50			Sikandra Rao	4	115	31.51	1	0.274	31.784	25.4272		
51	Kannauj	Kanpur Dehat	Chhibramau	36	720	197.28	21	5.754	203.034	162.4272		
52			Haseran	30	406	111.244	27	7.398	118.642	94.9136		
53			Saurikh	26	268	73.432	24	6.576	80.008	64.0064		
54			Umarda	0	0	0	6	1.644	1.644	1.3152		
56			Talgram	21	396	108.504	11	3.014	111.518	89.2144		
58			Gugarapur	4	54	14.796	1	0.274	15.07	12.056		
59	Kasganj	Aligarh	Amanpur	10	48	13.152	0	0	13.152	10.5216		
60			Ganj Dundwara	10	225	61.65	8	2.192	63.842	51.0736		
61			Kasganj	34	647	177.278	32	8.768	186.046	148.8368		
62			Patiyali	10	85	23.29	1	0.274	23.564	18.8512		
63			Sahawar	5	52	14.248	4	1.096	15.344	12.2752		
64			Sidhpura	5	20	5.48	3	0.822	6.302	5.0416		
65			Soron	9	70	19.18	0	0	19.18	15.344		
66	Mainpuri	Firozabad	Jagir	1	30	8.22		0	8.22	6.576		
67			Barnahal	6	50	13.7		0	13.7	10.96		
68			Bewar	16	329	90.146	5	1.37	91.516	73.2128		
69			Ghiror	14	103	28.222	2	0.548	28.77	23.016		
70			Karhal	20	176	48.224	6	1.644	49.868	39.8944		
71			Kishni	18	360	98.64	3	0.822	99.462	79.5696		
72			Kuraoli	14	104	28.496	6	1.644	30.14	24.112		
73			Mainpuri	84	1166	319.484	78	21.372	340.856	272.6848		
74			Sultanganj	16	336	92.064	13	3.562	95.626	76.5008		
75	Shahjahanpur	Bareilly	Jalalabad	13	166	45.484	2	0.548	46.032	36.8256		
76			Kalan	4	112	30.688	0	0	30.688	24.5504		
77			Mirzapur	5	142	38.908	0	0	38.908	31.1264		
Total				1316	22829	6255.146	843	230.982	6486.128	5188.9024	0	0

596

Green House Waste Management, Mainpur, Uttar Pradesh

Annexure-9

597

32

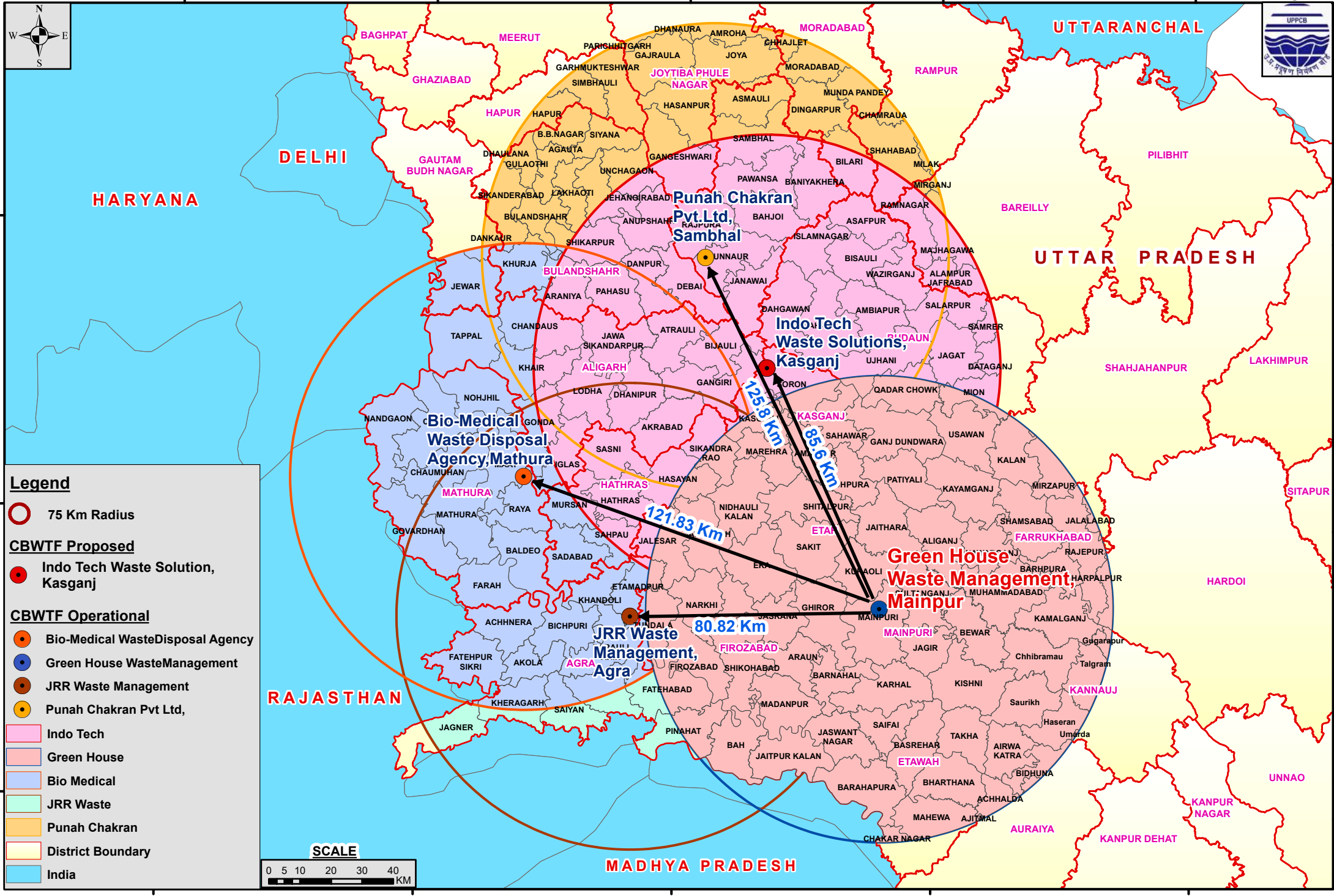
76°40'0"E

77°30'0"E

78°30'0"E

79°10'0"E

80°0'0"E



Legend

- 75 Km Radius
- CBWTF Proposed**
- Indo Tech Waste Solution, Kasganj
- CBWTF Operational**
- Bio-Medical Waste Disposal Agency
- Green House Waste Management
- JRR Waste Management
- Punah Chakran Pvt Ltd,
- Indo Tech
- Green House
- Bio Medical
- JRR Waste
- Punah Chakran
- District Boundary
- India

SCALE

0 5 10 20 30 40 KM

76°40'0"E 77°30'0"E 78°20'0"E 79°10'0"E 80°0'0"E

28°20'0"N

27°30'0"N

26°40'0"N

28°20'0"N

27°30'0"N

26°40'0"N

Summary of Green House Waste Management, Mainpur						
S No.	CBWTF	Name of Overlapping CBWTF	Area Covered (in %)	Distance(in Km)	No.of Blocks	Total BMW (Kg/Day)
1	Green House Waste Management, Mainpur	JRR	44.86	80.82	31	2302.964
2		Bio medical	19.50	121.83	15	1266.976
3		Punah chakran	15.77	125.8	14	454.566
4		Indotech	42.96	85.6	31	878.992

Indo Tech Waste Solutions, Kasganj

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	Number of Non -Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinerable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)	Type of Incinerator
1	Agra	Agra	Etamadpur	5	65	17.81	6	1.644	19.454	15.5632	JRR Waste Management, Agra, CTE Granted	200	Static
2	Aligarh	Aligarh	Akrabad	9	102	27.948	4	1.096	29.044	23.2352			
3			Atrauli	26	383	104.942	9	2.466	107.408	85.9264			
4			Chandaus	18	263	72.062	12	3.288	75.35	60.28			
5			Dhanipur	339	6422	1759.628	422	115.628	1875.256	1500.2048			
6			Gangiri	23	224	61.376	11	3.014	64.39	51.512			
7			Gonda	10	88	24.112	3	0.822	24.934	19.9472			
8			Iglas	15	550	150.7	13	3.562	154.262	123.4096			
9			Jawa Sikandarpur	8	187	51.238	2	0.548	51.786	41.4288			
10			Khair	13	269	73.706	14	3.836	77.542	62.0336			
11			Lodha	51	1079	295.646	9	2.466	298.112	238.4896			
12			Bijauli	8	95	26.03	0	0	26.03	20.824			
13			Bareilly	Bareilly	Alampur Jafrabad	1	30	8.22	0	0	8.22	6.576	
14	Majhagawa	3			50	13.7	0	0	13.7	10.96			
15	Ramnagar	2			16	4.384	0	0	4.384	3.5072			
16	Budaun	Bareilly	Ambiapur	6	95	26.03	0	0	26.03	20.824			
17			Asafpur	5	70	19.18	1	0.274	19.454	15.5632			
18			Bisauli	11	125	34.25	2	0.548	34.798	27.8384			
19			Dahgawan	5	60	16.44	0	0	16.44	13.152			
20			Dataganj	8	105	28.77	2	0.548	29.318	23.4544			
21			Islamnagar	3	70	19.18	2	0.548	19.728	15.7824			
22			Jagat	6	75	20.55	1	0.274	20.824	16.6592			
23			Qadar Chowk	4	60	16.44	3	0.822	17.262	13.8096			
24			Sahaswan	7	78	21.372	2	0.548	21.92	17.536			
25			Salarpur	6	80	21.92	0	0	21.92	17.536			
26			Ujhani	5	115	31.51	1	0.274	31.784	25.4272			
27			Usawan	5	62	16.988	0	0	16.988	13.5904			
28			Wazirganj	5	65	17.81	0	0	17.81	14.248			
29			Mion	6	80	21.92	0	0	21.92	17.536			
30			Samrer	6	78	21.372	0	0	21.372	17.0976			
31	Bulandshahr	Bulandshahr	Anupshahr	18	328	89.872	9	2.466	92.338	73.8704			
32			Araniya	3	32	8.768	2	0.548	9.316	7.4528			
33			Danpur	12	101	27.674	2	0.548	28.222	22.5776			
34			Debai	24	295	80.83	15	4.11	84.94	67.952			
35			Jhangirabad	7	74	20.276	6	1.644	21.92	17.536			
36			Khurja	46	764	209.336	23	6.302	215.638	172.5104			
37			Pahasu	6	59	16.166	9	2.466	18.632	14.9056			
38			Shikarpur	6	52	14.248	2	0.548	14.796	11.8368			
39			Unchagaon	1	30	8.22	1	0.274	8.494	6.7952			
40			Lakhaoti	3	47	12.878	0	0	12.878	10.3024			
41					Aliganj	5	246	67.404	1	0.274	67.678	54.1424	
42	Awagarh	1			100	27.4	2	0.548	27.948	22.3584			

S.No	District	Regional Office	Block Name	Number of Bedded HCFs	Total Beds (Pvt. & Govt.)	Quantity of BMW generated (Kg/Day)	600 Number of Non -Bedded HCFs	Quantity of BMW generated (Kg/Day)	Total BMW (Kg/Day)	BMW Incinirable (80%)	Name of CBWTF in the block (Located in the block Existing + CTE issue)	Capacity of Incinerator (Kg/hr)	Type of Incinerator
43	Etah	Aligarh	Jaithara	0	0	0	0	0	0	0			
44			Jalesar	2	20	5.48	3	0.822	6.302	5.0416			
45			Marchra	2	160	43.84	0	0	43.84	35.072			
46			Nidhauri Kalan	0	0	0	0	0	0	0			
47			Sakit	1	15	4.11	0	0	4.11	3.288			
48			Shitalpur	1	10	2.74	8	2.192	4.932	3.9456			
49	Farrukhabad	Kanpur Naga	Kayamganj	16	297	81.378	9	2.466	83.844	67.0752			
50	Firozabad	Firozabad	Eka	9	71	19.454	7	1.918	21.372	17.0976			
51			Jasrana	8	78	21.372	0	0	21.372	17.0976			
52			Khairgarh	1	5	1.37	1	0.274	1.644	1.3152			
53			Narkhi	1	4	1.096	0	0	1.096	0.8768			
54	Hathras	Aligarh	Hasayan	0	0	0	1	0.274	0.274	0.2192			
55			Hathras	2	20	5.48	1	0.274	5.754	4.6032			
56			Mursan	2	10	2.74	0	0	2.74	2.192			
57			Sahpau	3	38	10.412	2	0.548	10.96	8.768			
58			Sasni	1	2	0.548	0	0	0.548	0.4384			
59			Sikandra Rao	4	115	31.51	1	0.274	31.784	25.4272			
60	J.P.Nagar	Bijnor	Gangeshwari	5	46	12.604	0	0	12.604	10.0832			
61			Hasanpur	16	265	72.61	2	0.548	73.158	58.5264			
62	Kasganj	Aligarh	Amanpur	10	48	13.152	0	0	13.152	10.5216			
63			Ganj Dundwara	10	225	61.65	8	2.192	63.842	51.0736			
64			Kasganj	34	647	177.278	32	8.768	186.046	148.8368			
65			Patiyali	10	85	23.29	1	0.274	23.564	18.8512			
66			Sahawar	5	52	14.248	4	1.096	15.344	12.2752			
67			Sidhpura	5	20	5.48	3	0.822	6.302	5.0416			
68			Soron	9	70	19.18	0	0	19.18	15.344			
69	Mainpuri	Firozabad	Ghiror	14	103	28.222	2	0.548	28.77	23.016			
70			Kuraoli	14	104	28.496	6	1.644	30.14	24.112			
71			Sultanganj	16	336	92.064	13	3.562	95.626	76.5008			
72	Moradabad	Moradabad	Bilari	2	19	5.206	4	1.096	6.302	5.0416			
73			Dingarpur	0	0	0	0	0	0	0			
74	Rampur	Moradabad	Shahabad	0	0	0	0	0	0				
75	Sambhal	Moradabad	Bahjoi	14	211	57.814	17	4.658	62.472	49.9776			
76			Gunnaur	1	10	2.74	1	0.274	3.014	2.4112	PUNAHCHAKRA N PVT LTD PLOT E-25/26 UPSIDA, BABRALA SAMBHAL (U.P)	250	Static
77			Janawai	0	0	0	0	0	0	0			
78			Pawansa	0	0	0	0	0	0	0			
79			Rajpura	0	0	0	1	0.274	0.274	0.2192			
80			Sambhal	25	1039	284.686	28	7.672	292.358	233.8864			
81			Baniyakhera	0	0	0	0	0	0	0			
Total				994	17294	4738.556	746	204.404	4942.96	3954.368	0	450	

Indo Tech Waste Solution (CBWTF), Kasganj, Uttar Pradesh

76°40'0"E

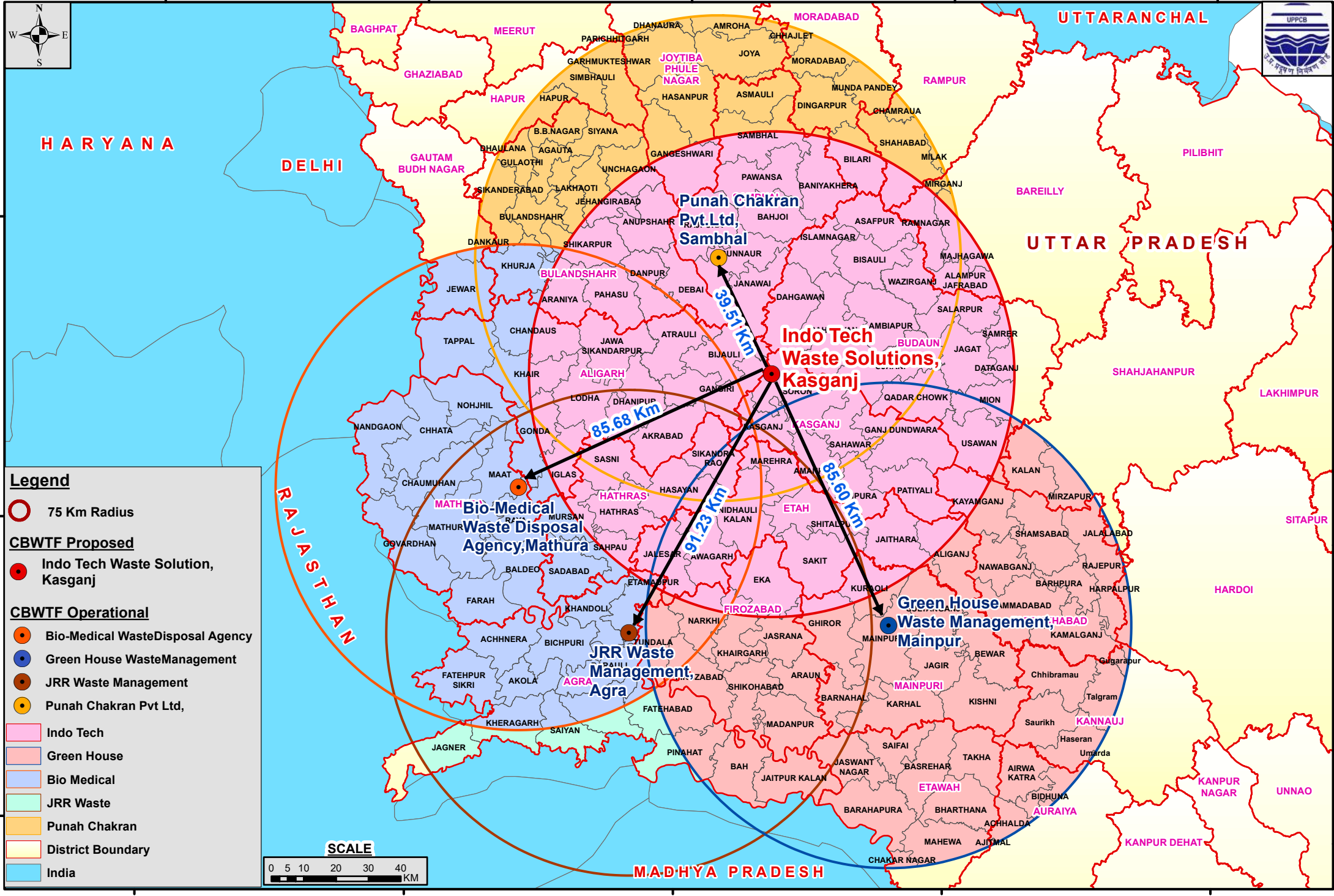
77°30'0"E

601
78°20'0"E

79°10'0"E

80°0'0"E

36



Legend

- 75 Km Radius
- CBWTF Proposed**
- Indo Tech Waste Solution, Kasganj
- CBWTF Operational**
- Bio-Medical Waste Disposal Agency
- Green House Waste Management
- JRR Waste Management
- Punah Chakran Pvt Ltd,
- Indo Tech
- Green House
- Bio Medical
- JRR Waste
- Punah Chakran
- District Boundary
- India

SCALE

0 5 10 20 30 40 KM

28°20'0"N

27°30'0"N

26°40'0"N

28°20'0"N

27°30'0"N

26°40'0"N

76°40'0"E

77°30'0"E

78°20'0"E

79°10'0"E

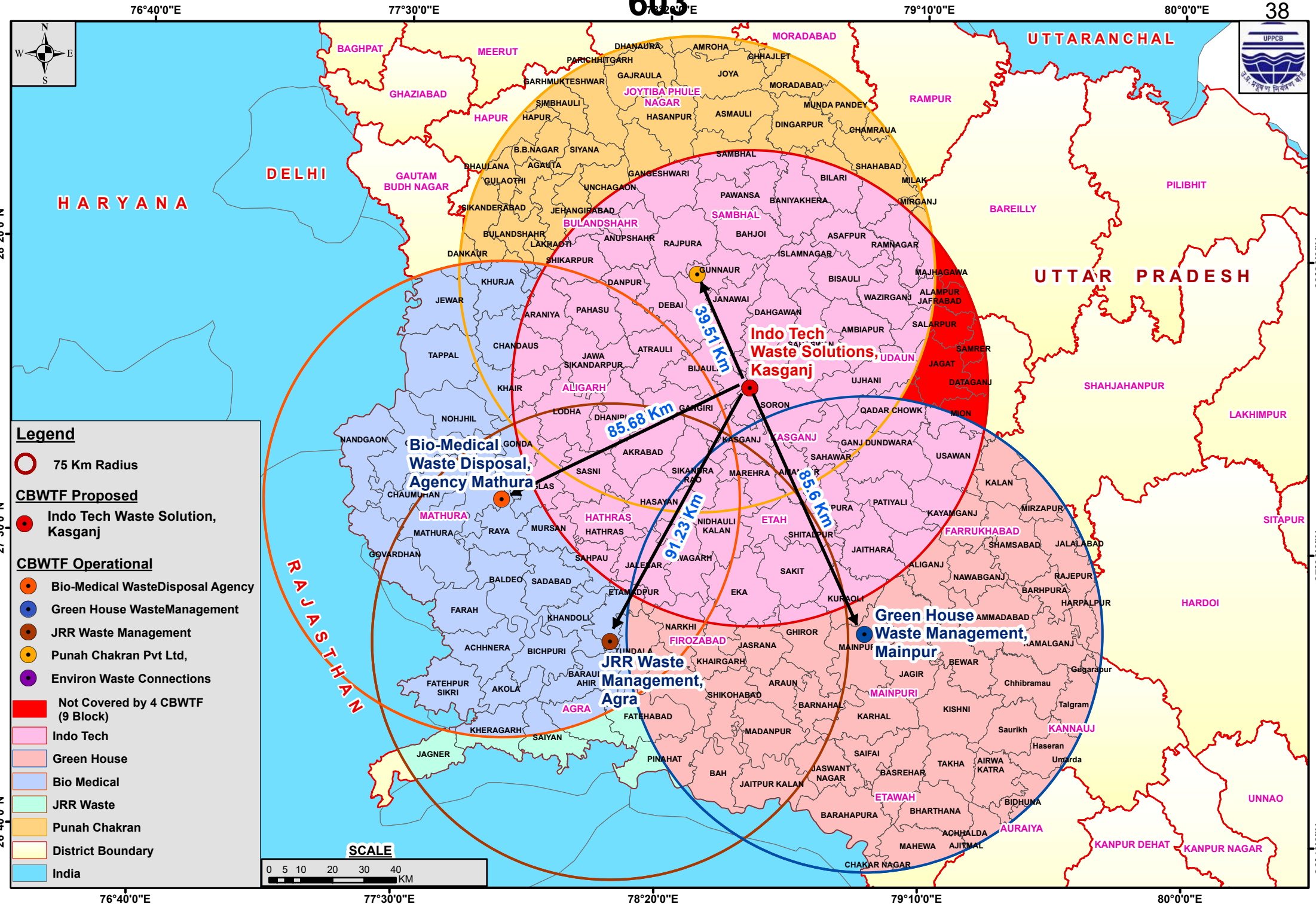
80°0'0"E

Summary of Indo Tech Waste Solutions, Kasganj						
S No.	CBWTF	Name of Overlapping CBWTF	Area Covered (in %)	Distance(in Km)	No.of Blocks	Total BMW (Kg/Day)
1	Indo Tech Waste Solutions, Kasganj	Green House	42.96	85.6	31	878.992
2		JRR	44.26	91.23	28	2914.538
3		Bio medical	51.08	85.68	32	3515.42
4		Punah chakran	81.1	39.51	60	3128.532

Indo Tech Waste Solution (CBWTF), Kasganj, Uttar Pradesh

603

38



CBWTF BLOCK					Indotech		
S.No	District Name	Tehsil Name	Block Name	Total Area (in Sqm)	Area Covered (in Sqm)	Area Covered (in %)	Total BMW (Kg/Day)
1	BAREILLY	AONLA	MAJHAGAWA	323280289.6	163463924.5	50.56	13.7
2	BAREILLY	AONLA	ALAMPUR JAFRABAD	266451029.6	170068682.4	63.83	8.22
3	BUDAUN	BUDAUN	SALARPUR	251660443.3	251660443.4	100.00	21.92
4	BUDAUN	DATAGANJ	SAMRER	206597164.3	66414798.7	32.15	21.37
5	BUDAUN	DATAGANJ	DATAGANJ	260102689.4	74281808.1	28.56	29.31
6	BUDAUN	DATAGANJ	MION	296549125.4	179910638.6	60.67	21.92
7	BUDAUN	BUDAUN	JAGAT	280684186.9	280684187	100.00	20.82
8	BUDAUN	BUDAUN	QADAR CHOWK	282200975.7	282200975.5	100.00	17.26
9	BUDAUN	BUDAUN	UJHANI	342212656.4	342212656.3	100.00	31.78
						Total	186.3