



Government of Jammu and Kashmir
J&K Pollution Control Committee
Jammu

Winter office: November-April
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The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, C.B.D. Cum-Office Complex,
East Arjun Nagar, Shahdara,
Delhi-110032.

No: JKPCC/AR/MSW/2022-23/147-52.

Dated: 17-08-2023.

Sub: Annual Report of Municipal Solid Waste of J&K for the Year 2022-23.

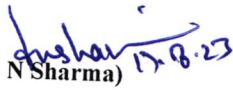
Sir,

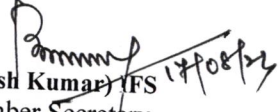
Kindly find enclosed herewith **Annual Report of Municipal Solid Waste for the Year 2022-23** as per provisions of **Rule 24** of **SWM Rules, 2016** in **Form-V** along with **Annexures** enclosed herewith :

- Summary statement on progress made by local bodies in respect of solid waste management Annexure-I.*
- Summary statement on the progress made by local bodies in respect of waste collection, segregation, transportation and disposal as Annexure-II, Annexure -IIA & IIA (a&b) and Annexure-IIB & IIB (a,b&c).*

Name of Division	Generation (TPD)	Collection (TPD)	Treated (TPD)
Jammu	700.00	692.41	82.95
Kashmir	852.80	852.80	191.80
Grand Total	1552.80	1545.21	274.75

Yours Sincerely,


(J N Sharma)
Environmental Engineer
JKPCC, Jammu


(K. Ramesh Kumar) IFS
Member Secretary,
JKPCC, Jammu.

Encl:-

- Form-V (page No. 1 to 6).
- Annexure-I (page No. 7 to 8.)
- Annexure-II (page No.9 to 11)
- Annexure -IIA, IIA(a) & IIA(b) (page No. 12 to 16).
- Annexure-IIB & IIB (a,b&c)(page No. 17 to 21).

Copy for information to the:-


- Principal Secretary to Govt. Housing and Urban Development Department, Civil Secretariat, Srinagar/Jammu.
- Addl. Director & In charge UPC-II, CPCB, Delhi-32.
- PA to Chairman for kind information of the Chairman, J&K, PCC.
- I/c web site JKPCC for uploading Annual Report on the Official web portal.
- Office file.

Form-V
[see rule 24(3)]
Format of Annual report to be submitted by the Pollution Control Board or Pollution Control Committee to the Central Pollution Control Board
PART-A

1.	Name of the State/ Union territory	UT Jammu & Kashmir		
2.	Name & address of the JK Pollution Control Committee	J&K Pollution Control Committee, Parivesh Bhawan, Forest Complex, Gladni, Jammu-180006.		
3.	Number of local bodies responsible for management of solid waste in the State Union territory under these Rules.	Name of local bodies	Jammu	Kashmir
		Municipal Corporation	01	01
		Municipal Council	09	10
		Municipal Committee	27	30
		Cantonment Board	01	01
		Total	38	42
		Grand Total	80	
4.	No. of authorization applications received	Nil		
5.	A summary statement on progress made by local bodies in respect of solid waste management	Attached as Annexure I (J&K)		
6.	A summary statement on the progress made by local bodies in respect of waste collection, segregation, transportation and disposal	Attached as Annexure II (J&K) Attached as Annexure IIA & IIA (a) & IIA(b) (Jammu) Attached as Annexure IIB & IIB(a,b&c) (Kashmir)		
7.	A summary statement on progress made by local body in respect of implementation of Schedule II	There are 18 no. of SW processing facilities operational in J&K a) Jammu Division 05. b) Kashmir Division 13.		

Date: 31.07.2023

Place: Jammu


Member Secretary
J & K Pollution Control Committee, Jammu

PART B


1.	Towns / Cities	UT of J&K
a)	Total No. of Towns/cities	122 in Jammu 119 in Kashmir Total 241
b)	Total number of ULBs	38 in Jammu (including 01 Mun.Corp.+01 Jammu containment board +36 ULB) 42 in Kashmir (including 01 Mun.Corp.+01 Srinagar containment board+40 ULB) Total 80
c)	Number of class I & class II cities/towns:	Class I city: 01 Jammu 01 Srinagar Total 02 Class II Cities:02(Udampur & Kathua) 03 (Anantnag, Sopore & Baramulla) Total 05
2.	Authorization status (names/number): -	
a)	Number of applications received	Jammu : Nil Srinagar : 01
b)	Number of authorizations granted	Nil
c)	Authorizations under scrutiny	Jammu : Nil Srinagar : Nil
3.	Solid Waste Generation status : - Detail attach in IIA for Jammu & IID for Kashmir	
a)	Solid waste generation in JK(TPD)	700.00 in Jammu 852.80 in Kashmir Total 1552.8 TPD
b)	Collected (TPD)	692.41 in Jammu 852.80 in Kashmir Total 1545.21 TPD
c)	Treated (TPD)	82.95 in Jammu 191.80 in Kashmir Total 274.75 TPD
d)	Landfilled (TPD)	a) No sanitary landfilling in Jammu b) 390 TDP in Kashmir.
4.	Compliance to Schedule-I of SWM Rules (Number/names of towns/capacity):-	
	Good practices in cities/towns	
a)	House-to-house collection:	Jammu Division :- <ul style="list-style-type: none"> 100% House-to-house collection is being done by all the local bodies. (Detail attached in Annexure-IIA). Kashmir Division:- <ul style="list-style-type: none"> 100% house-to-house collection is being done in al Local bodies. The detail of house-to house collation of local bodies is given in Annexure IIB.

b)	Segregation	Jammu Division:- <ul style="list-style-type: none">Partial Segregation is being practiced by all Local Bodies Segregation has been implemented in 307 wards out of 528 wards. Kashmir Division:- <ul style="list-style-type: none">Partial Segregation of waste has been initiated by all ULBs (details attached in Annexure IIB).		
c)	Storage	Jammu Division:- <ul style="list-style-type: none">Storage sites in place in all ULBs. 08 Transfer stations have been constructed & GTSS are under construction by JMC. Kashmir Division:- <ul style="list-style-type: none">SMC has proposed to setup 12 No. of Garbage Transfer Stations throughout the city for efficient waste collection, transportation and disposal of the Waste with state of art facilities.		
d)	Covered transportation:	Jammu Division:- <ul style="list-style-type: none">90 % covered transportation in all local bodies. Kashmir Division:- <ul style="list-style-type: none">90 % covered transportation in all local bodies.		
5	Processing of SW (Number/names of towns/capacity) Solid Waste processing facilities setup:			
	Composting	Vermi composting	Biogas	RDF/ Pelletization
	<p>There are 11 no. of SW processing facilities (detail is as under)</p> <p>a) Jammu Division</p> <p>i) Organic waste converter (200 Kg/day) at Katra.</p> <p>ii) Pit composting at Akhnoor (2TDP)</p> <p>iii) Nowshera (1TDP)</p> <p>iv) Udampur (1.5TDP).</p> <p>b) Kashmir Division.</p> <p>i. MC Achabal (4TDP).</p> <p>ii.. MC Chadoora (4TDP).</p> <p>iii. MC Doora Veerinag (5 TDP).</p> <p>iv. MC Ganderbal (5 TDP).</p> <p>v. MC Kunzer (5 TDP).</p> <p>vi. MC Qazigund (5 TDP).</p> <p>vii. MC Beerwah (5TPD)</p>	No vermi composting unit has been setup during the financial year	No Biogas unit has been setup during the financial year	No RDF/ Pelletization unit has been setup during the financial year

6	Processing facility operational:			
	Composting	Vermi composting	Biogas	RDF/Pelletization
a)	<p>There are 18 no. of SW processing facilities operational in J&K (detail is as under)</p> <p>Jammu Division -</p> <p>i. Bandu Rakh (30 TPD) in Jammu City.</p> <p>ii. Organic waste converter (200 Kg/day) at Katra.</p> <p>iii. Pit composting at Akhnoor (2TDP)</p> <p>iv) Nowshera (1TDP)</p> <p>v) Udampur (1.5TDP).</p> <p>Kashmir Division.</p> <p>i. Srinagar Municipal Corporation (50 TPD)</p> <p>ii. MC Pahalgam 5TPD (through Pahalgam Development Authority).</p> <p>iii. MC Tangmarg/Gulmarg (5TPD)</p> <p>iv. MC Achabal (4TDP).</p> <p>v. MC Chadoora (4TDP).</p> <p>vi. MC Doora Veerinag (5 TDP).</p> <p>vii. MC Ganderbal (5 TDP).</p> <p>viii. MC Kunzer (5 TDP).</p> <p>ix. MC Qazigund (5 TDP).</p> <p>x. MC Beerwah (5TPD)</p> <p>xi. MC Shopian (4TPD).</p> <p>xii. MC Sumbal (4 TPD).</p> <p>xiii. MC Y Tangmarg (5TPD).</p>	<p>Jammu Division – 3 No.</p> <ul style="list-style-type: none">• MC, Bhaderwah,• MC, Doda and• MC, Sunderbani (Since 2010).	<p>Jammu Division – 2 No.</p> <ul style="list-style-type: none">• Mule dung based plant at base camp, SMVDSB, Katra (Since 2012).• 6Cu.m.biogas plant at Cattle pond, Dogra hall. (Since 2019).	No RDF/Pelletization facility
7	Processing facility under installation/planned:			
	Composting	Vermi composting	Biogas	RDF / Pelletization
a)	<p>Jammu Division - Composting pits to handle small quantities of waste (1-2 TPD), planned for 38 no. of local bodies including 01 no. by Jammu Municipal corporation.</p>	No vermi composting unit has been under installation during the financial year	No Biogas unit has been under installation during the financial year	<p>Jammu Division Planned at Kot Bhalwal and Bandu Rakh by Jammu Municipal Corporation.</p>
b)	<p>Kashmir Division - Integrated solid Waste Management Facilities proposed at Anantnag, Bandipora, Sopore and Baramulla while MRF facilities and composted facilities are under installation in 25 No. of Local bodies.</p>			
8	Waste-to-Energy Plants: (Number/names of towns/capacity) : 02 (Proposed at Jammu Municipal Corporation and Proposed at Srinagar Municipal Corporation)			
	Plant location	Status of operation	Power generation (MW)	Remarks
	1- Kotbhalwal at Jammu 2- Achan at Srinagar	Under establishment	-	-
9	Disposal of solid waste (number/names of towns/capacity):			
a)	Landfill sites identified:	<p>Jammu Division: Total 03 sites have been identified, for development on cluster basis at Kathua, Udampur and Khour. However 24 site already identified are being converted to MRF.</p> <p>Kashmir Division: Total 09 sites have been identified for setting up integrated Solid Waste Management in cluster form (i.e. Anantnag, Achabal, Bijbehara, Mattan, Aishmuquam, Seer-Hamdan, Sumbal, Budgam & Shopian).</p>		

b)	Landfill constructed	In Kashmir, 01 land fill has been established at Saidapora Achan, Srinagar.				
c)	Landfill under construction	Land fill under construction by JMC.				
d)	Landfill in operation	In Kashmir 01 land fill is in operational at Saidapora Achan, Srinagar.				
e)	Landfill exhausted	Phase-I and Phase – II of Achan land fill site is exhausted				
f)	Landfill capped	Both Phase – I and Phase –II of the Achan site have been capped.				
10	Solid Waste Dumpsites (number/names of towns/capacity):					
a)	Total number of existing dumpsites	There are total 14 dumpsites in J&K a) Jammu Division (7 dumpsites as under) i. Jammu Kot Bhalwal) - 3.90 lac MT ii. Samba (Mandhera) - 16500 MT iii. Kathua (Berain Pattan) - 50,000 MT iv. Katra (Tan- Talab) - 65,000 MT v. Udhampur (Sui- Chakkar) - 15000 MT vi. Bhaderwah (Dhranga) - 1000 MT vii. Doda (Akramabad) - 7500 MT b) Kashmir Division (7 dumpsites as under) i. Srinagar Achan Saidpora - 5.0 lac MT ii. Anantnag (Dandipoawa) - 19060 MT iii. Pampore (Patalbag) - 24574.4 MT iv. Shopian (sofanaman) - 15763.2 MT v. Bijbehara (Kerkada) - 9336 MT vi. Pahalgam(Sarbal) - 5846.4 MT vii. Tral (Takya Raazaq Shah Trali Bala) - 4689.6 MT				
b)	Dumpsites reclaimed/capped	Jammu Division- One (Bhagwati Nagar – 1.20 lac MT) by JMC and 17 small dumpsites in rest of the ULBs.				
c)	Dumpsites converted to sanitary landfill	Kashmir Division- Achan Phase-I and Phase – II (07 TPD) Nil				
11	Monitoring at Waste processing / Landfills sites:					
	Name of facilities	Ambient air	Groundwater	Leachate quality	Compost quality	VOCs
a)	Jammu Division – i. Doda vermi composting. ii. Bhaderwah vermin composting Kashmir Division - 01 Landfill site at Achan, Srinagar	Report attached as Annexure II A (a). Report attached as Annexure II B (a,b&c).	Annexure IIA (b) Not analyzed	No Leachate treatment plant LTP non-functional	Under process Not analyzed	Not analyzed Not analyzed

12	Status of Action Plan prepared by Municipalities:	
a)	Total number of municipalities:	Jammu Division : 38 Kashmir Division : 42 Total : 80
b)	Number of Action Plan submitted	i) Action plan submitted by JMC and SMC ii) Common Action Plan for the J&K submitted by HUDD for all ULBs


(K. Ramesh Kumar)
Member Secretary,
JKPCC, Jammu.
B O
N

**A Summary Statement on progress made by local bodies in respect of
Solid Waste Management (2022-2023)**

A) Jammu Division:

a. Progress made by Jammu Municipal Corporation

- Action Plan finalized and submitted by JMC.
- Involvement of rag pickers in dry waste segregation at dumping site.
- Composting of cattle dung at cattle pound, Dogra Hall.
- Bio-methanation plant at Dogra Hall (06 cu.m. capacity).
- Establishment of two no. of Material Recovery Facilities (Total 10 TPD Capacity).
- Proposal for bioremediation at Kot Bhalwal is underway.
- Proposal for development of **ISWM facility** at Bandu Rakh finalized for approval.
- **08 No.** of Garbage Transfer stations have been constructed by JMC & 5 GTSS are under construction.

b. Progress made by Urban Local Bodies, Jammu in respect of SWM

- **9 No. of Material Recovery Facilities** are fully operational (Akhnoor, Kathua, Rajouri, Sunderbani, Nowshera, Udhampur, Katra, Doda and Surankote)
- Material Recovery Facilities are under construction in 22 No. of local bodies
- Compost making machine (200kg capacity) installed at Katra town.
- Process of Bio-remediation is in progress at Katra, Samba, Udhampur and Kathua.

B) Kashmir Division:

a) Progress made by Srinagar Municipal Corporation

- Srinagar Municipal Corporation has improved solid waste management in the city and is working to further improve the same to provide better environment to the city dwellers.
- The Corporation is further procuring sufficient number of LCVs, Compactor Vehicles & so on for its augmentation with the existing infrastructure which will improve the efficiency of door-to-door waste collection.
- The SMC has also finalized to set up 12 Nos. of **Garbage Transfer Stations** throughout the city for efficient waste collection, transportation and disposal of waste.
- ICT based solution on Solid Waste Management which is aimed to track waste from source till the dumping site, includes digital monitoring of door-to-door collection via transportation of waste through robust Vehicle tracking System.

b) **Progress made by Urban Local Bodies**

- Door to Door collection of waste has been initiated by all Municipal Council/ Committees.
- All Municipal Council/ Committees have initiated waste segregation on partial basis.
- **Phalagam Development Authority** has developed Solid Waste Management Facility at Sarbal. The processing facilities installed includes Auto-Composter, Disintegrator and Segregator.
- **Gulmarg Development Authority** has developed Solid Waste Management Facility. Common Landfill site identified by MC Tangmarg/Gulmarg at Tangmarg.
- **25 No.** of MRF facilities are under construction and **10 No.** of MRF facilities with composting are operational.
- Composting has been initiated in **11 No.** of Local bodies including Patnitop Development Authority & Gulmarg Development Authority, while **09 No.** of MRF plants have been made operational this year.
- **69 number of Compost Plants** using Aerated Compost pits method in 37 ULBs for composting of 150 TPD wet waste, and 69 Material Recovery Facilities (MRF) in 37 ULBs for processing of 150 TPD dry Waste are proposed / under construction.
- 02 number of Integrated SWM Facilities: 80 TPD each, for (MC Anantnag, MC Baramulla/MC Sopore) are proposed.
- Procurement of Collection Vehicles with compartment bins to achieve 100% door-to-door collection of segregated waste for all ULBs has been completed & 151 Auto Hoopers & 480 Tri-cycles have been provided to all ULBs.

Annexure- II

A summary statement on progress made by Local bodies in respect of waste collection, segregation, transportation and disposal (2022-23).

S No.	Parameters	Status of 80 ULBs operating in the Jammu & Kashmir
1	Collection of Municipal Solid Waste	<p>Jammu Division</p> <ul style="list-style-type: none">• 100% collection of waste has been achieved by all local bodies. <p>Kashmir Division</p> <ul style="list-style-type: none">• Door-to-Door collection of Municipal solid waste is being undertaken in 100% of households in Srinagar city through SMC and by ULBS.• 100 % of Non-Residential premises are covered including Commercial establishment, Hotels, Restaurants, Educational Institutions / Offices etc.• Construction and demolition waste is separately collected and disposed.• There is no separate provision for dairy.
2	Segregation of Municipal Solid Wastes	<p>Jammu Division</p> <ul style="list-style-type: none">• Source waste segregation has been implemented partially by all local bodies.• Secondary waste segregation started by 11 No. of MRF including 02 <p>Kashmir Division</p> <ul style="list-style-type: none">• Segregation and storage of waste at source has been initiated 10 No. of MRF storage waste by all local bodies partially.

3	Storage of Municipal Solid Waste	<p>Jammu Division</p> <ul style="list-style-type: none"> Only primary storage facilities have been established by ULBs in the form of RCC Bins, plastic bins, dumpers/ containers and few secondary storage facilities / MRFs with closed sheds operational in only 10 No. of local bodies. JMC has constructed 8 No. of Garbage transfer stations & 5 No. of GTSS are under construction. <p>Kashmir Division</p> <ul style="list-style-type: none"> SMC has proposed to set up 12 nos. of Garbage Transfer Stations throughout the city for efficient waste collections, transportation and disposal of the Waste. These GTSS shall be equipped with State-of-the-art facilities such as separate bins for segregated waste, compaction unit, weigh bridge, Organic waste convertors, compounding unit etc.
4	Transportation of Municipal Solid Waste	<p>Jammu & Kashmir Division</p> <ul style="list-style-type: none"> Transportation of waste is carried out in heavy vehicles by ULBs. Mostly the vehicles transporting the MSW are closed now.
5	Processing of Municipal Solid Waste	<p>Jammu Division</p> <ul style="list-style-type: none"> Vermi-composting being carries out at MC Bhaderwah, MC Doda and MC Sunderbani and composting by Jammu Municipal Corporation, MC Katra, MC nowshera and MC Udhampur. <p>Kashmir Division</p> <ul style="list-style-type: none"> Facilities available with SMC include, land filing, mechanical segregator, composting, bathing of dry waste material Recovery facilities packers. Phalagam Development Authority and Gulmarg Development authority has installed OWCs for wet waste processing.
6	Disposal of Municipal Solid Waste	<p>Jammu Division</p> <ul style="list-style-type: none"> There is no authorized landfill site in operation till now. Periodic burying of the waste is however, carried out with the help of JCBs followed by compaction and soil cover by Jammu Municipal corporation. Three cluster landfill sites are being proposed by ULBs department and disposal of waste

		<p>is being carried out with the help of Material Recovery facilities and composting in most of the Local bodies.</p> <p>Kashmir Division</p> <ul style="list-style-type: none"> • SMC disposes of 390 TPD of waste in the landfill site whereas none of the Municipal Councils / Committees have sanitary engineered land fill site. • The eco-fragile Tourists place like Pahalgam and Gulmarg have come up with facilities with regard to the treatment and disposal of the solid waste generated from these areas. The segregated waste collected is processed in auto composters and magnetic disintegrator. • Waste is being disposed through MRF facilities and composting in 11 No. of Local bodies, while MRF facilities are under construction in 25 No. of ULBs.
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Status of MSW management as per annual reports submitted by Jammu (Division) ULBs for FY 2022-2023							
Municipal Committees/ Councils	Population	Quantity of waste generated (TPD)	Quantity of MSW collected /transported (TPD)	Quantity of MSW treated (TPD) / Way of disposal	Status of landfill site/ waste processing facility	No. of wards /Door to door collection	Segregation of waste Yes /No / No. of wards
Jammu							
1. Jammu Municipal Corporation	740190	458.5	458.5	50 TPD	7.58 Hectares of land is used for MRF (Approx.) (5.56 Hectares in Kot-Bhalwal and 2.02 hectares in Bandhu-rakh)	D2D collection in all the 75 wards	40 % Segregation (30 wards)
2. Jammu Cantonment Board	28,396	7	5	Nil	Land not identified	7/7	90 % Segregation (6.3 wards)
Jammu District							
3. Akhnoor (Municipal Committee)	25815	7	7	2 TPD wet waste processing through pit composting.	100 % work completed at MRF site	13	Yes / 9
4. Jourian (Municipal Committee)	4929	2	2	Nil	80% work complete at MRF site	7/7	Yes/4
5. Khour (Municipal Committee)	8618	3	3	Nil	80% work complete at MRF site	13/13	Yes/9
6. Gho-Manhasan (Municipal Committee)	4904	2	2	Nil	Land not available	7/7	Yes/4
7. R.S.Pura (Municipal Committee)	18896.	10	10	Nil	Land identified and MRF construction work in Tendering process	13/13	Yes/9
8. Bishnah (Municipal Committee)	13328	3	3	Nil	Land identified and MRF construction work in Tendering process	13/13	Yes/7
9. Arnia (Municipal Committee)	11126	2	2	Nil	Land identified and MRF construction work in Tendering process	13/13	Yes/7

Samba District							
10. Samba (Municipal Council)	15791	9	9	Nil	50% work completed at MRF site.	17/17	Yes / 7
11. Vijaypur (Municipal Committee)	10002	3	3	Nil	MRF construction on stopped due to protest public issue	13 /13	Yes /7
12. Bari- Brahmana(Municipal Committee)	19214	2	2	Nil	90% work completed at MRF site.	13/13	Yes/ 8
13. Ramgarh (Municipal Committee)	6978	2.5	2.4	Nil	Land not available	13 /13	Yes /6
Kathua District							
14. Kathua (Municipal Council)	74436	32	32	4.5 TPD dry waste channelized by Semi- Automatic MRF.	90% work completed at site .	21/21	Yes /15
15. Hiranagar (Municipal Committee)	10313	2.00	1.81	Nil	MRF construction on stopped due to protest public issue.	13/13	Yes/9
16. Basholi (Municipal Committee)	6755	4	2	Nil	Work started at MRF site	13/13	Yes/9
17. Lakhampur (Municipal Committee)	4303	4	4	Nil	Land not available	7/7	Yes/5
18. Billawar (Municipal Committee)	6190	2.00	2.00	Nil	100% work completed at MRF facility	13/13	Yes/9
19. Parole (Municipal Committee)	9550	3.00	3.00	Nil	60% work completed at MRF site.	13/ 13	Yes/9
Rajouri District							
20. Rajouri (Municipal Council)	36662	16	16	01TPD dry waste channelized by Semi- Automatic MRF.	MRF work completed and plant is operational	17/ 17	Yes/9

21. Sunderbani (Municipal Committee)	8617	3.00	3.00	1.5 TPD dry waste channelized by Semi- Automatic MRF & 1.5 TPD wet waste processing by Vermi Composting.	100% work completed at MRF facility	13/ 13	Yes/9
22. Kalakote (Municipal Committee)	2929	2.00	2.00	Nil	90% work completed at MRF site and plant shall operationalize from 30 th July.	7/ 7	Yes/4
23. Nowshera (Municipal Committee)	12942	2.00	2.00	1.25 TPD dry waste channelized by Semi- Automatic MRF & 01 TPD wet waste processing by Pit Composting .	100% work completed	13/ 13	Yes/9
24. Thanamandi (Municipal Committee)	6826	3.00	3.00	Nil	Work under Progress	13/13	Yes/4
Kishtwar District							
25. Kishtwar (Municipal Council)	18483	8	8	Nil	75% work completed at MRF site.	13/ 13	Yes/ 9
Udhampur District							
26. Udhampur (Municipal Council)	62301	23	23	4.5 TPD dry waste channelized by Semi- Automatic MRF.	90% work completed at MRF site and plant shall operationalize from 30 th July.	21/ 21	Yes/17
27. Chenani (Municipal Committee)	3258	3.00	1.5	Nil	Work under Progress	7/ 7	Yes/4
28. Ramnagar (Municipal Committee)	7823	3	3	Nil	90% work completed at MRF site.	13/ 13	Yes/6
Reasi District							
29. Katra (Municipal Committee)	11200	34	34	5 TPD dry waste channelized by Manual MRF & 0.2 TPD wet waste processing by OWC (Mechanical Composting).	80% work completed at MRF site.	13/ 13	Yes/8

30. Reasi (Municipal Council)	9693	7	7	Nil	90% work completed at MRF site.	13/ 13	Yes/8
Doda District							
31. Doda (Municipal Council)	26863	10	10	4 TPD dry waste channelized by Semi-Automatic MRF & 5 TPD wet waste processing by Vermi composting.	Operational since 2010 & read to operationalize.	17/ 17	Yes /13
32. Thathri (Municipal Committee)	1710	3.00	2.00	Nil	90% work completed at MRF site	7/7	Yes/4
33. Bhaderwah (Municipal Committee)	13782	5	5	Nil	Operational since 2010 & read to operationalize.	13/ 13	Yes/7
Ramban							
34. Ramban (Municipal Council)	4471	3.00	2.2	Nil	95% work completed at MRF site and plant operationalize from 30 th July.	7/ 7	Yes/4
35. Batote (Municipal Committee)	5365	2	2	Nil	95% work completed at MRF site and plant shal operationalize from 30 th July.	7/7	Yes/4
36. Banihal (Municipal Committee)	4849	2	2	Nil	Land not identified	7/ 7	Yes/4
Poonch							
37. Poonch (Municipal Council)	33390	10	10	Nil	Land under Finalization	17/ 17	Yes/9
38. Surankote (Municipal Committee)	8384	3.0	3.00	1.5 TPD dry waste channelized Semi- Automatic MRF.	100% work completed at MRF Facility	13/ 13	Yes/6
Totals	1276716	700	692.41	82.95 TPD		528	307

- | | | |
|----|---|------|
| 1. | No. of ULBs with 100% work Completed with respect to construction of MRF facilities but not operational
(Billawar). | : 01 |
| 2. | No. of ULBs with MRF work under progress | : 19 |
| 3. | No. of ULBs with No Land identified
(Jammu Cantonment, Ramgarh, Lakhanpur, Banihal, Gho - Manhasan and Poonch). | : 06 |
| 4. | No. of MRF facilities fully operational with name of ULBs
(JMC, Akhnoor, Kathua, Rajouri, Sunderbani, Nowshera, Udhampur, Katra, Doda and Surankote) | : 10 |



IIA(a)

Government of Jammu & Kashmir
J&K Pollution Control Committee
Office of the Regional Director Jammu

PARIVESH BHAWAN, Forest Complex, GLADNI, TRANSPORT NAGAR (NARWAL) JAMMU.
E-mail regionaldirectorjkspcbjmu@gmail.com Tele/Fax- 0191-2476926

Dated: - 02/08/2023

Subject: - Ambient Air Quality monitoring report of dumping & landfill sites of District Doda

Ref: - JkPCC/Sc./MSW/23/84/405-407

Dated:- 07/07/2023

Monitoring date	locations	Results evaluated			
		PM ₁₀ 100 µg/m ³	PM _{2.5} 60 µg/m ³	NO ₂ 80 µg/m ³	SO ₂ 80 µg/m ³
02/08/2023	(I) Akramabaad Dessa road Doda	123	21.17	16.58	4.0
	(II) Solid waste management plant Dranga Bhaderwah	84	14.10	10.84	2.2

Note: - Standard limits.

1. Hourly average → (I) PM_{2.5} 60 µg/m³ (II) PM₁₀ 100 µg/m³ (III) SO₂ 80 µg/m³ (IV) NO₂ 80 µg/m³

2. Annual average → (I) PM_{2.5} 40 µg/m³ (II) PM₁₀ 40 µg/m³ (III) SO₂ 60 µg/m³ (IV) NO₂ 40 µg/m³

3. All values in µg/m³

Monitoring team:-

Lab Assisstant

Suman Pawar
I/C Air lab.

A.M Tariq
I/C Head labs Jammu

J & K POLLUTION CONTROL COMMITTEE
PARIVESH BHAVAN GLADNI, (NARWAL) JAMMU
 ISO 9001: 2015 Certified
 OHSAS 19001:2007 Certified
 ISO45001 2018
ANALYSIS TEST REPORT (Water Laboratory)

Report No-09(w)
 Dt: 03/01/2023

Samples collected on: 02-8-20223

Samples collected by : Lab team ,PCC,Jammu

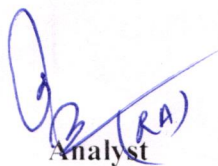
Samples collected from: 1) Ground water from Solid waste Management Plant Akranabad,Doda

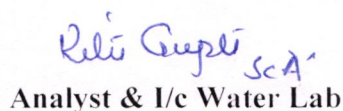
2) Neeru Nallah,Bhaderwah near Solid waste Management Plant Dharangabad

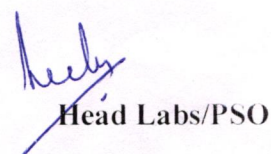
Analysis Report

S.No.	Parameter	1 Ground water Doda Solid waste Management Plant Akranabad	2 Neeru Nallah ,Bhaderwah near Solid waste Management Plant Dharangabad	Desirable limit as per Solid Waste Management Rules 2016
1.	Nirate as NO ₃	0.007	0.767	45
2.	pH	7.25	7.30	6.5-8.5
3.	Total Hardness as CaCO ₃	140	60	300
4.	Chloride	14	12	250
5.	Dissolved Solds	232	52	500
6.	Sulphate	4.86	46.73	200

Note : All the concentrations are expressed in mg/l except pH


 Analyst


 Analyst & I/c Water Lab


 Head Labs/PSO

Status of Solid waste Generation, Collection & Disposal for year 2022-23
(as per Annual Reports submitted by ULBs Kashmir Division).

Annexure II b

Municipal Council/ Committee	Quantity of waste generated (TPD)	Quantity of waste collected (TPD)	Quantity of waste treated (TPD)	Door to Door Collection	Waste Segregation at Source	Remarks
Srinagar Municipal Corporation	520	520	130 (Treated by way of Composting and MRF facility)	100%	Yes 100%	390 TPD of solid Waste is being disposed at landfill site.
Srinagar Cantonment Board	8.8	8.8	8.8	90%	Yes 70%	Waste is sent to Achabal site, Srinagar for further disposal in agreement with Srinagar Municipal Corporation.
Anantnag	65	65	Nil	100%	Yes 100%	Integrated facility proposed.
Achabal	03	03	3	100%	Yes 100%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Bijbehara	09	09	Nil	100%	Yes 100%	MRF facility along with composting pits under construction.
Mattan	04	04	Nil	100%	Yes 92 %	MRF facility along with composting pits under construction.
Qazigund	04	04	4	100%	Yes 100%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Aishmuquam	03	03	Nil	100%	Yes 62%	MRF facility along with composting pits under construction.
Seer-Hamdan	4.0	4.0	Nil	100%	Yes 85%	MRF facility along with composting pits under construction.
Kokernag	03	03	Nil	100%	Yes 100%	MRF facility along with composting pits under construction.

Dooru-Verinag	10	10	6	100%	Yes 94%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Pahalgam	4.0	4.0	4	100%	Yes 100%	MRF facility under construction, wet waste being processed with the help of OWC installed by Pahalgam authority.
Kulgam	10.0	10.0	Nil	100%	Yes 100%	MRF facility along with composting pits under construction.
Devsar	04	04	Nil	100%	Yes 88%	MRF facility along with composting pits under construction.
Yaripora	5.0	5.0	Nil	100%	Yes 83%	MRF facility along with composting pits under construction.
Frisal	3.0	3.0	Nil	100%	Yes 100%	MRF facility along with composting pits under construction
Pulwama	8.0	8.0	Nil	100%	Yes 100%	MRF facility along with composting pits under construction
Pampore	09	09	Nil	Yes	Yes 100%	MRF facility along with composting pits under construction
Tral	8.0	8.0	Nil	100%	Yes 85%	MRF facility along with composting pits under construction
Khrew	4.0	4.0	Nil	100%	Yes 62%	MRF facility along with composting pits under construction
Awantipora	5.0	5.0	Nil	100%	Yes 100%	MRF facility along with composting pits under construction
Shopian	07	07	7	100%	Yes 76%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.

Ganderbal	12	12	8	100%	Yes 65%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Budgam	7.0	7.0	Nil	100%	Yes 92%	MRF facility along with composting pits under construction
Khansahib	02	02	Nil	100%	Yes 71%	MRF facility along with composting pits under construction
Magam	03	03	Nil	100%	Yes 54%	MRF facility along with composting pits under construction
Beerwah	04	04	4	100%	Yes 100%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Chadoora	3.0	3.0	3	100%	Yes 100%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Charar I Sharief	05	05	Nil	100%	Yes 38%	MRF facility along with composting pits under construction
Baramulla	23	23	Nil	100%	Yes 100%	Integrated facility proposed.
Sopore	25	25	Nil	100%	Yes 81%	Integrated facility proposed.
Kunzer	4.0	4.0	4	100%	Yes 100%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Pattan	08	08	Nil	100%	Yes 69%	MRF facility along with composting pits under construction
Uri	4.0	4.0	Nil	100%	Yes 31%	MRF facility along with composting pits under construction
Watergam	3.0	3.0	Nil	100%	Yes 31%	MRF facility along with composting pits under construction
Tangmarg/ Gulmarg	04	04	4	100%	Yes 100%	MRF facility under construction, wet waste being processed with the help of OWC installed by Gulmarg authority.
Bandipora	15.00	15.00	Nil	100%	Yes 71%	EIA report under progress.

Sumbal	06	06	6	100%	Yes 46%	Dry waste being recycled through MRF facility and wet waste treated by pit composting.
Hajin	06	06	Nil	100%	Yes 62%	MRF facility along with composting pits under construction
Kupwara	09	09	Nil	100%	Yes 62%	MRF facility along with composting pits under construction
Handwara	06	06	Nil	100%	Yes 77%	MRF facility along with composting pits under construction
Langate	3.0	3.0	Nil	100%	Yes 100%	MRF facility along with composting pits under construction
Total	852.8	852.8	Treated : 191.8 TPD			

- | | |
|--|-------------|
| 1. No. of ULBs with MRF facilities setup & Fully operational | : 04 |
| 2. No. of ULBs with MRF facilities setup & Partially operational | : 06 |
| 3. No. of ULBs with MRF facilities / composting pits under construction | : 27 |
| 4. No. of ULBs with integrated Waste Management proposed | : 04 |

Average
II B(a)

J&K POLLUTION CONTROL COMMITTEE
AIR LABORATORY SRINAGAR (KMR)

Monitoring report of Ambient air quality near Achhan Dumping site.

Date of sampling	Location	Result PM10	Result PM2.5	Result NO _x	Result SO _x
07-06-2023	Near Main Gate of Dumping Site	148.8µg/m ³	52.38µg/m ³	36.78µg/m ³	24.43µg/m ³

Note:- Standard Limits

- 24 Hour Average:-** (i) PM 2.5 = 60 µg/m³ (ii) PM10 = 100 µg/m³ (iii) SO₂ = 80 µg/m³ (iv) NO₂ = 80 µg/m³
Annual Average:- (i) PM 2.5 = 40 µg/m³ (ii) PM10 = 60 µg/m³ (iii) SO₂ = 50 µg/m³ (iv) NO₂ = 40 µg/m³
- All values are in µg/m³
- The monitoring data is confined to the samples collected only.

NO₂ & SO₂
Analyzed By:-

23
[Signature]

[Signature]
F.I
Air Lab. Kmr.

Ambience II BCB

**J&K POLLUTION CONTROL COMMITTEE
AIR LABORATORY SRINAGAR (KMR)**

Monitoring report of Ambient air quality near Achhan Dumping site.

Date of sampling	Location	Result PM10	Result PM2.5	Result NO _x	Result SO _x
29-05-2023	Near Main Gate of Dumping Site	119.23µg/m ³	45.50µg/m ³	22.68µg/m ³	12.21µg/m ³

Note:- Standard Limits

- 24 Hour Average:-** (i) PM 2.5 = 60 µg/m³ (ii) PM10 = 100 µg/m³ (iii) SO₂ = 80 µg/m³ (iv) NO₂ = 80 µg/m³
Annual Average:- (i) PM 2.5 = 40 µg/m³ (ii) PM10 = 60 µg/m³ (iii) SO₂ = 50 µg/m³ (iv) NO₂ = 40 µg/m³
- All values are in µg/m³**
- The monitoring data is confined to the samples collected only.**

NO₂ & SO₂

Analyzed By:-

[Signature]

[Signature]
F.I

[Signature]

Scientist "A"
Air Lab. Kmr.

**J&K POLLUTION CONTROL COMMITTEE
AIR LABORATORY SRINAGAR (KMR)**

Monitoring report of Ambient air quality near Achhan Dumping site for the year 2022

Date of sampling	Sampling Site	Result PM10	Result PM2.5	Result NO ₂	Result SO ₂
2-3-2022	Near Main Gate of Dumping Site	77.46 $\mu\text{g}/\text{m}^3$	36.28 $\mu\text{g}/\text{m}^3$	20.22 $\mu\text{g}/\text{m}^3$	9.77 $\mu\text{g}/\text{m}^3$
25-7-2022	-do-	80.93 $\mu\text{g}/\text{m}^3$	49.90 $\mu\text{g}/\text{m}^3$	23.29 $\mu\text{g}/\text{m}^3$	14.04 $\mu\text{g}/\text{m}^3$
7-10-2022	Near Main Gate of Dumping Site	108.75 $\mu\text{g}/\text{m}^3$	31.73 $\mu\text{g}/\text{m}^3$	25.74 $\mu\text{g}/\text{m}^3$	16.39 $\mu\text{g}/\text{m}^3$
Average		89.04 $\mu\text{g}/\text{m}^3$	39.30 $\mu\text{g}/\text{m}^3$	23.08 $\mu\text{g}/\text{m}^3$	13.40 $\mu\text{g}/\text{m}^3$

Note:- Standard Limits

- 24 Hour Average:- (i) PM 2.5 = 60 $\mu\text{g}/\text{m}^3$ (ii) PM10 = 100 $\mu\text{g}/\text{m}^3$ (iii) SO₂ = 80 $\mu\text{g}/\text{m}^3$ (iv) NO₂ = 80 $\mu\text{g}/\text{m}^3$
Annual Average:- (i) PM 2.5 = 40 $\mu\text{g}/\text{m}^3$ (ii) PM10 = 60 $\mu\text{g}/\text{m}^3$ (iii) SO₂ = 50 $\mu\text{g}/\text{m}^3$ (iv) NO₂ = 40 $\mu\text{g}/\text{m}^3$
- All values are in $\mu\text{g}/\text{m}^3$
- The monitoring data is confined to the samples collected only.

