

Minutes of the Meeting of State Level High Powered Committee on Solid Waste Management

In the Chair : Chief Secretary

Meeting Date : 19th May, 2023

Meeting Venue : 13th Floor, CS Conference Room, Nabanna

Meeting Time : 11.30 AM

Meeting Attendees :

- Sri Prabhat Kumar Mishra, Principal Secretary , Irrigation & Waterways Department
 - Sri Khalil Ahmed, Principal Secretary, Urban Development and Municipal Affairs Department
 - Smt. Roshni Sen, Principal Secretary, Environment Department
 - Smt. Smaraki Mahapatra, Secretary, Land & Land Reforms and Refugee Relief & Rehabilitation Department and LRC, West Bengal
 - Smt. Antara Acharya, Secretary, Public Works Department
 - Sri Santhosha G.R, Additional Secretary, P&RD Department
 - Sri Supriya Ghosal, Director, SUDA
 - Shri Joly Chaudhuri, WBCS(Exe.), Additional Director, SUDA
 - Sri Dibyendu Bhattacharya, Additional Secretary, L&LR Department
 - Sri Manish Jain, Divisional Railway Manager, Eastern Railway, Howrah
 - Sri Biswajit Das, Chief Engineer, MED
 - Sri Rajib Sadhu, Chief Engineer, S & SWM, Water & Sanitation Sector, KMDA
 - Sri Suman Saha, Chief Engineer (E&M), KMDA
 - Sri Prantik Roy, Chief Engineer(GAP), KMDA
 - Dr Tapas Kumar Gupta, Chief Technical Advisor, West Bengal Pollution Control Board
 - Dr Sukhdeb Das, Deputy Secretary, Law, UD & MA Department
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Chief Secretary chaired the meeting to review the progress of Swachh Bharat Mission/ Mission Nirmal Bangla (Urban) in all 128 ULBs in the State. The meeting reviewed the progress of attainment of Open Defecation Free (ODF) status i.e. ODF and ODF+ by the ULBs along with processing and disposal of municipal solid waste (both legacy waste and fresh waste) in compliance with the Solid Waste Management Rules, 2016 and directions of the National Bench of Hon'ble NGT from time to time.

The Committee noted that:

(1) ODF :

- (i) 125 ULBs have been self declared as ODF and the rest 3 (three) ULBs i.e. Bally, Falakata and Maynaguri Municipalities are expected to be self declared within the August, 2023.
- (ii) After third party certification, Government of India has declared 98 ULBs as ODF and 26 ULBs (other than Purulia) are under submission of the Ministry of Housing and Urban Affairs for ODF certification.

(2) ODF+ :

- (i) UD & MA Department has set a target for all 128 ULBs to achieve the ODF+ within March, 2024.
- (ii) 48 ULBs have been self declared as ODF+ and 50 ULBs are expected to be self declared within the December, 2023. The remaining 30 ULBs will declare themselves as ODF+ after getting GoI Certification as ODF.
- (iii) 28 ULBs are under submission of the Ministry of Housing and Urban Affairs for ODF+ certification.
- (iv) 29 more ULBs are ready for application of ODF+. Once the Swacchatam Portal opens, they will apply for Third Party Verification of Government of India.

(3) Construction of CT and PT :

- i. 2947 Community Toilet Blocks are completed and 689 are in progress, expected completion within December, 2023.
- ii. 1268 Public Toilet Blocks have been completed and 569 are in progress, expected completion within September, 2023.
- iii. ULBs to ensure access to Public Toilet facilities at all places wherever required.

(4) Action taken on Solid Waste Management:

- i. In 128 ULBs the system of 100% collection and transportation of segregated waste is in place at 1736 wards and partially achieved in 786 wards. A total of 8309 TPD i.e. 61.68% waste are being collected and transported in segregated manner.
- ii. Presently Agencies have started setting up fresh waste processing plant in 33 ULBs.
- iii. The process has been started in 31 ULBs for installation of infrastructure for fresh waste processing plant to be operated by the Self Help Group Members.
- iv. Interim fresh waste processing unit has been sanctioned at 60 ULBs and units are functional at 20 ULBs, where total 257.48 TPD waste is being processed out of which 146.21 TPD is wet waste and 111.27 TPD is dry waste.
- v. Out of total 123 legacy waste dumpsites of 112 ULBs, 46.33 lakh MT (41.83%) legacy waste has been processed out of a total of 110.76 lakh MT of legacy waste. Biomining and bioremediation has been completed in 56 dumpsites of 47 ULBs reclaiming 279.25 (62.91%) acre land out of a total of 443.18 acres of land.
- vi. 16 ULBs do not have any legacy waste dumpsite.

- (5) Ministry of Housing & Urban Affairs, Government of India vide no. 1/31/2015-SBM-I (E.No. 3125021) dated 27.03.2023 granted permission to utilize unspent balance of Rs.128.70 crore (2nd Installment of Rs. 73.32 crore for 10 projects + 2nd installment of Rs. 55.38 crore for 13 projects) for various schemes Bio-mining and Bio-remediation of legacy waste, procurement of vehicles for secondary transportation and the infrastructure cost for setting up of fresh waste processing unit in accordance with the decisions taken at the 4th Meeting of the State High Powered Committee (SHPC) held on 21.06.2022. Hence, Government of India has effectively permitted to utilize Rs.335.27 crore for the above mentioned purpose of which Rs.128.70 crore is Central Share and Rs.206.57 crore is State Share.

Recommendation of the Committee:

- (6) The Secretary, PWD, Government of West Bengal is requested to relinquish the identified land under submission for IDT for Katwa Municipality for setting up fresh waste processing plant at the earliest and L&LR and R&R Department is requested to hand over the land to UD&MA Department for further action.
- (7) The Committee recommended that Department of Industry, Commerce & Enterprises, Government of West Bengal be requested to develop a State Policy on Compressed Bio Gas.
- (8) The Committee recommended to setup Bio-CNG plants at Ichapore and Rishra generating gas from cow dung (Gobar). Agriculture Department, Government of West be to provide the straw as at ingredient and also have a back to back arrangement to procure the manure generated at these plants.
- (9) The Committee recommended that SHG members shall be involved in a big way door to door collection of segregated waste and for this they may be provided 3 wheeler Battery Operated Trippers for ease of operation.
- (10) The Committee recommended that the Waste to Energy Plant be setup at Barrackpore (Ichapur Brick field, where the land will be provided by the Housing Department, Government of West Bengal), Howrah MC, Bankura, Malda and Siliguri MC. Required land to be identified by the District Magistrates.
- (11) The Committee recommended that a communication shall be made by UD&MA Department/SUDA to the Railway Board (Eastern Railway and South Eastern Railway) endorsing a copy to MoHUA, Government of India with the request to make necessary arrangement to process the solid waste by their own as per SWM Rules, 2016 at 9 wards of Kancharapara Municipality and 8 wards of Kharagpur Municipality.
- (12) The Committee noted that a study has been conducted by SUDA for viable, economic, revenue generation model of waste processing through SHG mode clustering the adjacent smaller waste generating ULBs (Satellite Towns) with a mother ULB. A tripartite agreement may be signed by SUDA, Satellite ULBs, mother ULB and the Operator, where CAPEX to be borne by the State Government/SUDA, ULBs shall ensure collection of segregated waste at the Satellite Processing Unit alongwith pre-processing and the Operator at the Mother Centre shall process the waste and provide a part of revenue to the ULBs as Royalty. No tipping fee needs to be provided to the Operator. The Operator shall manage the plant

engaging the SHG members. 53 ULBs have been identified for this clustering approach, list of ULBs and a brief concept note placed at **Annexure-I**, made a part of the minutes.

(13) The Committee recommended to implement 164 infrastructure development projects in different ULBs for fresh waste processing unit with a total vetted estimate of Rs.59.46 cr. The site-wise list is placed at **Annexure-II** and made a part of the minutes of the meeting.

(14) The Committee reviewed the scope of mode of management of the fresh waste processing units at 128 ULBs and recommended that

- ✓ Integrated Fresh Tender shall be floated both for Legacy and Fresh Waste in the ULBs where a considerable quantity of legacy waste is still there. Legacy waste shall be determined through a technical survey.
- ✓ As no technical competency and manpower is available for end to end activities of solid waste management in the 4 hill towns i.e. Darjeeling, Kurseong, Mirik and Kalimpong, end to end Integrated Solid Waste Management Model other than primary collection and transportation (i.e. secondary transportation, processing and disposed) engaging one single agency shall be adopted for solid waste management of the towns. The brief concept note placed at **Annexure-III** made a part of the minutes.
- ✓ The ULBs where waste generation is below 30 TPD, there the fresh waste shall be processed and disposed through SHG Mode adopting the Hub & Spoke Model.
- ✓ The ULBs where waste generation is above 30 TPD, there the fresh waste shall be processed engaging agencies through tender.

(15) The Committee noted that City Sanitation Action Plan for Used Water Management needs to be submitted for all the ULBs of West Bengal for getting sanction of fund under SBM-U 2.0 from Government of India. The Committee further noted that to prepare this plan, huge data on drainage, sewerage and on some demographic/topographic features need to be uploaded in Swacchatam Portal of Government of India, which are not available with the ULBs and a primary survey to be conducted. The Committee recommended that SUDA will do the survey engaging a credible organization and ULBs will extend full cooperation for completion of this survey. SUDA will identify the required parameters to be surveyed and will float RfP accordingly to engage organisations for the survey.

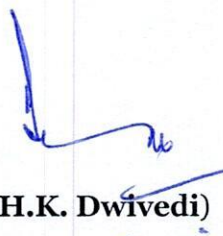
(16) The Committee ratified the following proposals on Dumpsite Remediation and City Sanitation Action Plan (CSAP) for Toilets with total project cost of Rs.1053.39 crore (Central Share: Rs.311.62 crore), which are under submission to Government of India for approval.

Particulars	No. of ULB	CS Fund (Rs in Crore)	SS Fund (Rs in Crore)	Total (Rs in Crore)
Dumpsite Remediation	23	45.41	107.12	152.53
Dumpsite Remediation	10	58.05	168.7	226.75
Dumpsite Remediation	69	114.35	256.86	371.21
Total	102	217.81	532.68	750.49
City Sanitation Action Plan (CSAP) for Toilets	128	93.81	209.09	302.9
Grand Total		311.62	741.77	1053.39

(17) The Committee recommended the IEC plan with a total outlay of Rs.299.30 crore for the Mission period (CS: 179.58 crore) and the Capacity Building plan with total outlay of Rs.150.49 crore for the Mission period (CS: 90.29 crore) under SBM 2.0 prepared for submission to Government of India for approval. The detailed fund sharing pattern is placed below:

Particulars	CS Fund (Rs in Crore)	SS Fund (Rs in Crore)	Total (Rs in Crore)
IEC Plan	179.58	119.72	299.30
Capacity Building Plan	90.29	60.20	150.49
Total	269.87	179.92	449.79

The meeting ended with vote of thanks to and from the chair.


(Dr H.K. Dwivedi)

Annexure-I

Concept Note: Salient Features of SWM through SHGs/Hub & Spoke Model for 53 ULBs in 13 clusters

- ✓ This model shall work on a Royalty Basis wherein the cost of developing the infrastructure facility i.e. CAPEX shall be borne by State Government/SUDA.
- ✓ This model shall work on a Royalty Basis wherein the Operator shall pay a fixed royalty percentage on the sales of recovered fractions to the ULBs as well as SUDA.
- ✓ The Operator on the other hand shall bear the cost of installation of the plant and machinery as well as the entire processing of waste. The OPEX shall be borne by the Operator.
- ✓ The ULBs shall be accountable for the segregation and primary transportation of the fresh waste to their processing site whether satellite or mother of their respective jurisdiction. Pre processing to be also done by the ULBs.
- ✓ Therefore, this royalty payment will enable the ULBs to meet the cost of the SHGs as well as primary transportation of segregated waste to some extent.
- ✓ The CAPEX so invested by SUDA will be a substitute of the tipping fee which normally pays in its bio-mining of legacy waste projects. The royalty on sales so paid by the operator shall serve as a rental for the use of the facilities and infrastructure developed by SUDA, which shall continue to be under its ownership.
- ✓ The percentage of Royalty must be fixed as part of RFP.
- ✓ H1 or L1 or T1 bid shall be awarded to that bidder who has high technical expertise to handle fresh SWM similar to the agreement made with an existing agency by Kolkata MC. It will be anti-negative for SUDA or the UD & MA Department to get into an arrangement for Highest Bidder for Commission which may lead to lesser technically qualified participants getting awarded a particular cluster.
- ✓ In case of any land litigation, all legal expenses to be borne by SUDA/ULB. The Mother Center shall be free from any litigation and all CTO/CTE shall be under the name of the operator. The operator shall only be responsible for the Authorization of SWM Operator Fees levied by WBPCB.

Role of Satellite Centers under Satellite ULB:

1. Dry Waste Pre-Processing as part of Transfer Stations
2. Wet Waste Composting as part of Windrows Management and subsequent Material Maturation.

Role of ULB: Door to door collection of segregated fresh waste and primary transportation upto Satellite/ Mother Centre.

Role of Mother Centers under Operator/Bidder:

1. Dry Waste Pre-Processing by ULB & Operator and further sorting & MRF packaging unit.
2. Wet Waste Composting as part of Windrows Management for Mother Center and subsequent value addition & Packaging Unit for both Satellite & Mother Center.

A list of proposed 53 ULBs to be clustered is as under:

Sl. No.	ULB	District
1	Bishnupur	Bankura
2	Sonamukhi	Bankura
3	Dubrajpur	Birbhum
4	Nalhati	Birbhum
5	Sainthia	Birbhum
6	Cooch Behar	Cooch Behar
7	Mathabhanga	Cooch Behar
8	Tufanganj	Cooch Behar
9	Dinhata	Cooch Behar
10	Mekhliganj	Cooch Behar
11	Falakata	Alipurduar
12	Dhupguri	Jalpaiguri
13	Jalpaiguri	Jalpaiguri
14	Mal	Jalpaiguri
15	Maynaguri	Jalpaiguri
16	Haldibari	Cooch Behar
17	Gangarampore	Dakshin Dinajpur
18	Buniadpur	Dakshin Dinajpur
19	Balurghat	Dakshin Dinajpur
20	Beldanga	Murshidabad
21	Jiaganj Azimganj	Murshidabad
22	Kandi	Murshidabad
23	Jangipur	Murshidabad
24	Murshidabad	Murshidabad
25	Birnagar	Nadia
26	Taherpur	Nadia
27	Coopers Camp	Nadia
28	Ranaghat	Nadia
29	Haringhata	Nadia
30	Taki	North 24 Parganas
31	Baduria	North 24 Parganas
32	Basirhat	North 24 Parganas
33	Gobardanga	North 24 Parganas
34	Kharar	Paschim Medinipore
35	Khirpai	Paschim Medinipore
36	Chandrakona	Paschim Medinipore
37	Ghatal	Paschim Medinipore
38	Ramjibanpore	Paschim Medinipore
39	Gushkara	Purba Burdwan
40	Kalna	Purba Burdwan
41	Memari	Purba Burdwan
42	Egra	Purba Medinipore
43	Tamralipta	Purba Medinipore
44	Panskura	Purba Medinipore
45	Tarakeswar	Hooghly
46	Jhalda	Purulia
47	Raghunathpur	Purulia

Sl. No.	ULB	District
48	Diamond Harbour	South 24 Parganas
49	Jainagar Mazilpur	South 24 Parganas
50	Pujali	South 24 Parganas
51	Raiganj	Uttar Dinajpur
52	Dalkhola	Uttar Dinajpur
53	Kaliaganj	Uttar Dinajpur

Annexure-II

The list of infrastructure development projects in different ULBs for fresh waste processing unit alongwith the estimated amount proposed

Sl No	ULB Name	Project Name	Amount (In Rs)
1	Alipurduar	Set up an interim arrangement for processing of all fresh waste in a segregate manner	₹ 1,45,73,767.00
2	Maheshtala	Setting up of an interim CPU at the waste processing site	₹ 5,85,283.00
3	Budge Budge	Setting up of an interim CPU at the waste processing site	₹ 3,16,184.00
4	Panihati	Setting up of an interim CPU at the waste processing site	₹ 11,84,378.00
5	Baduria	Setting up of an interim CPU at the dumping ground	₹ 13,67,249.00
6	Sereampore	Repairing GI & FRP sheets of exisiting compost plant and transfer station at the waste processing site	₹ 9,39,107.00
7	Bongaon	Setting up of an interim CPU at the dumping ground	₹ 11,98,842.00
8	Basirhat	Setting up of an interim CPU and construction of cement concrete road including Bolla Piling works at the dumping ground	₹ 34,01,706.00
9	Kharadah	Setting up of an interim CPU at the waste processing site	₹ 2,95,796.00
10	Tamluk	Setting up of an interim CPU at the waste processing site	₹ 8,08,877.00
11	Bansberia	Construction of platform for segregation process with swm project Garbari Colony in ward no-8	₹ 8,09,070.00
12	Bansberia	Construction Truss above platform for segreagation process within SWM project Garbari Colony in ward no-8	
13	Bansberia	Construction of wet waste segregation chember on purely temporary basis in ward no 22	
14	Bhatpara	Setting up of an interim CPU at the waste processing site	₹ 8,18,568.00
15	Howrah MC	Setting up of an interim CPU at the waste processing site	₹ 19,91,247.00
16	Hooghly Chinsura	Construction of concrete approach road + Construction of floor and pit for segregation dry and wet waste	₹ 10,10,018.00
17	Chandernaogore MC	Setting up of an interim CPU at the waste processing site	₹ 6,34,616.00
18	Tarkeswar	Construction of waste unloading, segregation point 10 MX 3 M and construction of Road of wase processing site	₹ 15,97,247.00
19	Burdwan	Setting up of an interim CPU at the waste processing site	₹ 11,48,457.00
20	Titagarh	Setting up of an interim CPU at the waste processing site	₹ 7,77,333.00
21	Panskura	Setting up of an interim CPU at the waste processing site	₹ 13,76,762.00
22	Pujali	Setting up of an interim CPU at the waste processing site	₹ 19,22,019.00
23	Konnagar	Repair and renovation of wall and shade of existing compost plant at the waste processing site	₹ 5,39,952.00
24	Memari	Setting up of an interim CPU at the waste processing site	₹ 3,76,065.00
25	Garulia	Setting up of an interim CPU at the waste processing site	₹ 10,76,258.00
26	Halisahar	Construction of Boundary for wast generation at trenching ground + Construction of set of dry waste generation at trenching ground	₹ 23,32,126.00

SI No	ULB Name	Project Name	Amount (In Rs)
27	Barasat	Construction of wet waste collection for dry and wet waste disposal + Construction of PCC approach road to the collection chamber of segregate waste	₹ 26,81,780.00
28	Uluberia	Setting up of an interim CPU at the waste processing site	₹ 17,42,583.00
29	Kancharapara	Setting up of an interim CPU at the waste processing site	₹ 15,25,810.00
30	Kharagpur	Construction of concrete base for dry and wet waste at Hiradi Dumping Ground + Sinking of Deep Tube Well 150 mm Dia at Hiradi Dumping Ground	₹ 23,14,077.00
31	Naihati	Construction of centre for disposal of MSW at ward no 22 7 & 27	₹ 9,39,665.00
32	Baruipur	Setting up of an interim CPU at the waste processing site	₹ 16,87,179.00
33	Barrackpore	Setting up of an interim CPU at the waste processing site	₹ 15,00,426.00
34	Balurghat	Setting up of an interim CPU at the waste processing site	₹ 13,75,950.00
35	Diamond Harbour	Setting up of an interim CPU at the waste processing site	₹ 19,50,164.00
36	Gobordanaga	Setting up of an interim CPU at the waste processing site	₹ 13,77,405.00
37	Kalyani	Setting up of an interim CPU at the waste processing site	₹ 10,31,503.00
38	Howrah MC	Construction of GCI shed for MRF of Dry waste at Hot Mix Plant, Belgachia ward no-08	₹ 22,23,947.00
39	Rajpur-Sonarpur	Setting up of an interim CPU at the waste processing site	₹ 12,41,369.00
40	Hooghly Chinsura	Shifting of Legacy waste from Dharampur Trenching Ground + construction of Sub Base at Dharampur Trenching Ground	₹ 15,02,042.00
41	Bhadreswar	Repairing of existing Vermi-Compost plant for interim CPU of wet & dry waste	₹ 9,77,382.00
42	North Dumdum	Construction of shade at promodnagar trenching ground for plastic waste management	₹ 1,07,21,671.00
43	Howrah MC	Temporary protection of existing frain adjacent to oxidation pond beside Belgachia dumping ground + repair and one time cleaning of double barrel drain from Vevek nagar pump house	₹ 1,17,78,624.00
44	Santipur	Setting up of an interim CPU at the waste processing site	₹ 9,96,984.00
45	Nabadwip	Setting up of an interim CPU at the waste processing site	₹ 13,45,958.00
46	Sainthia	Setting up of an interim CPU at the waste processing site	₹ 10,79,071.00
47	Jiagung-Azimgunj	Temporary processing unit of dry and wet waste work at babudanga ward no-12	₹ 18,10,934.00
48	Beldanga	Construction for Segregation unit of MSW	₹ 18,18,719.00
49	Jangipur	Construction for Segregation unit of MSW	₹ 17,77,359.00
50	Murshidabad	Construction for Segregation unit of MSW at ward no-13	₹ 18,06,786.00
51	Ranagahat	Setting up of an interim CPU at the waste processing site	₹ 13,45,958.00
52	Jaynagar-Mazilpur	Setting up of an interim CPU at the waste processing site	₹ 9,99,512.00
53	Kharagpur	Construction of concrete road for Shiv Mandir to Hiradi dumping ground	₹ 1,47,84,459.00
54	Madhyamgram	Preparation of land for Scientific MSW at Ganganagar	₹ 74,70,758.00
55	Kaliagunj	Setting up of an interim CPU at the waste processing site	₹ 22,23,099.00

Sl No	ULB Name	Project Name	Amount (In Rs)
56	North Dumdum	Construction of secondary station for segregated dary and wet waste in different wards	₹ 25,11,087.00
57	Gangarampur	Setting up of an interim CPU at the waste processing site	₹ 13,33,271.00
58	Rampurhat	Setting up of an interim CPU at the waste processing site	₹ 10,59,281.00
59	Englishbazer	Construction of Boundary wall around SWM Site at Kanchanta	₹ 39,93,660.00
60	Dalkhola	Setting up of an interim CPU at the waste processing site	₹ 19,85,284.00
61	Buniadpur	Construction of road from SH-10 to buniadpur wste disposal site in Banshiari	₹ 39,81,018.00
62	Suri	Setting up of an interim CPU at the waste processing site	₹ 15,00,393.00
63	Nalhati	Setting up of an interim CPU at the waste processing site	₹ 15,54,994.00
64	Bolpur	Setting up of an interim CPU at the waste processing site	₹ 13,49,906.00
65	Dubrajpur	Setting up of an interim CPU at the waste processing site	₹ 15,52,974.00
66	Jalpaiguri	Improvement of road from National Highway 31C to Balapara dumping ground	₹ 32,03,140.00
67	Ashokenagar-Kalyangarh	Setting up of an interim CPU at the waste processing site	₹ 32,28,577.00
68	Mekhlignj	Infrastructure development work of CPU for Scientific SWM at ward no 06	₹ 35,76,094.00
69	Coochbehar	Construction of apprach road at dumping ground + Setting up of an interim CPU at the waste processing site	₹ 35,30,048.00
70	Midnapore	Construction of retaining wall at dumping ground located at Hosnabad	₹ 95,54,831.00
71	Baidyabati	Renovation & modification of existing shed of both Compost Plant & Transfer Station	₹ 14,96,473.00
72	Ghatal	Construction of Boundary Wall for Dumping Ground within Ghatal Municipality.	₹ 84,43,675.00
73	Beldanga	Construction of boundary wall at Beldanga Municipality Segregation land in Bagdanga math, Mouza-Maniknagar, JL No-54, Beldanga Municipality.	₹ 84,55,716.00
74	Mekliganj	Construction of Boundary Wall With Iron Gate of CPU in ward no -06, Under Mekliganj Municipality.	₹ 43,31,708.00
75	Jangipur	Construction of boundary wall at Gadaipur Dumping Ground for SWM project of Jangipur Municipality.	₹ 14,40,577.00
76	Jhargram	Boudary Wall with gate for dumping ground at Mouza- Jangle Khas, J.L. No- 395, R.S. Plot No-1253 &L.R. Plot No -R.S. Plot No- 111 & 159/187 under Solid Waste Management Project within Jhargram Municipality	₹ 1,25,97,540.00
77	Ghatal	Development of Land for Dumping Ground within Ghatal Municipality.	₹ 85,64,465.00
78	Gayeshpur	Metal Road at the site of SWM project under Gayeshpur Municipality.	₹ 17,01,175.00
79	Egra	Construction of approach road of Dumping Ground at Bastia Mouza, ward No- 3 within Egra Municipality.	₹ 45,74,286.00

Sl No	ULB Name	Project Name	Amount (In Rs)
80	Khirpai	Repairing of C.C Road with Drop Wall from Main Canal CC Road to Vuta danga Dumping Ground at Ward No - 7 under Khirpai Municipality.	₹ 11,66,078.00
81	Islampore	Construction of cement concrete road at Sialtore from the Islampur Bypass Road to the Dumping Ground (under S.W.M)	₹ 28,44,978.00
82	Chandrakona	Construction of approach road (Bituminous) from near Dhamkura Office to PWD road under Chandrakona Municipality within SWM Project in District of Paschim Medinipur.	₹ 77,07,891.00
83	Ghatal	Construction of Concrete road from Vivekananda more to Dumping Ground within Ghatal Municipality.	₹ 24,89,092.00
84	Jangipur	Approach road from Vallar more to SWM project site of Jangipur Municipality.	₹ 16,81,572.00
85	Dalkhola	Construction of cement concrete road & guard wall from Hatbari road via. Uttar Dalkhola High School to dumping ground at ward no 11 of Dalkhola Municipality.	₹ 65,50,358.00
86	Jhargram	Approach road for dumping ground at Mouza- Jangle Khus, JL no- 395, Rs Plot-1253	₹ 74,67,399.00
87	Khardah	Construction of Cement concrete approach road at Trenching ground within Khardah Municipality.	₹ 81,67,727.00
88	Chakdah	Boundary wall of SWM Project under Chakdah Municipality	₹ 38,61,649.00
89	Haldibari	Construction of Temporary Segregated Chamber (Dry and Wet waste) at Firingi Danga, Tensing Ground under Haldibari Municipality.	₹ 5,72,279.00
90	Arambagh	Construction of Temporary Segregated chamber at dumpsite, Arambag Municipality.	₹ 5,72,279.00
91	Taherpur	Maintenance of Bituminous Road No-2 at ward No- 01,02, Taherpur Municipality.	₹ 12,11,735.00
92	Taherpur	Maintenance with widening of Bituminous Road No-22 at ward No-10,11 & 04, Taherpur Municipality.	₹ 40,30,915.00
93	Taherpur	Maintenance of Bituminous Road No-22 at ward No- 10,11,12 & 13 Taherpur Municipality.	₹ 10,30,703.00
94	Kalimpong	Land Development and sorting yard for SWM	₹ 38,82,891.00
95	Kalimpong	New Constrecution of Bituminous Macadam Mastic Asphalt Approach Road and RCC Culvert	₹ 54,72,769.00
96	Kalimpong	Jhora (Drop Guide) and strom water drain	₹ 72,05,202.00
97	Kalimpong	Reparing of Bituminous Road and addition of Macadam Mastic Asphalt	₹ 52,12,479.00
98	Kalna	Land Development of dumping ground	₹ 15,81,114.00
99	Kalna	Construction of approach concrete road at Dump Yard	₹ 3,99,565.00
100	Kalna	Construction of Boundary wall at dump yard	₹ 62,82,932.00
101	Tufangunge	Renovation of MRF & CPU with paver block road and earth filling work	₹ 22,88,611.00

SI No	ULB Name	Project Name	Amount (In Rs)
102	Tufangunge	Construction of Boundary wall for SWM processing Centre	₹ 24,30,721.00
103	Bansberia	Construction of concrete road with toe wall	₹ 13,44,194.00
104	Bansberia	Construction of concrete road with toe wall (Phase-II)	₹ 10,40,189.00
105	Bansberia	Construction of Drain, Protection wall and road	₹ 42,16,241.00
106	Ramjibonpur	Construction of Boundary wall around proposed dumping area	₹ 99,62,046.00
107	Mirik	Construction of Rigid road from near PWD Road to Proposed dumping Ground	₹ 69,63,150.00
108	Kurseong	Land Development for construction of Central Processing Unit at SWM dumping site at section Chaina OG, Under Kurseong Municipality	₹ 98,97,783.00
109	Kurseong	Construction of Road near SWM dumping yard at Suntaley pakha and restoration of damage road near Dhargon, Stacking platfrom at dumping yard, ward no.19, under Kurseong Municipality.	₹ 42,31,917.00
110	Darjeeling	High hill slope protection RCC cantilever retaining wall of 5m and 4m height considering with super imposed traffic load	₹ 48,58,774.00
111	Darjeeling	Jhora (Drop Guide) and strom water drain	₹ 28,68,539.00
112	Darjeeling	High hill slope protection wall gravity retaining wall of 3.5m and 2.7m height with inclined backfill	₹ 27,59,540.00
113	Darjeeling	RCC counterfort retaining wall of 6.50m Height considering super inposed taraffic load along the apprach road	₹ 29,15,306.00
114	Darjeeling	Land Development at high hill slope areas and sorting yard for SWM	₹ 36,96,594.00
115	Darjeeling	Bituminous macadam with mastic asphalt approach road and RCC storm water	₹ 57,47,966.00
116	Guskara	Construction of Concrete road leading from Ca.	₹ 4,28,951.00
117	Guskara	Land Development at dumping ground in ward	₹ 4,89,356.00
118	Guskara	Construction of Boundary wall at Dumping Grou..	₹ 4,99,548.00
119	Dinhata	Construction of roof shed of new scientific	₹ 47,18,680.00
120	Kaliaganj	Constructon of Boundary Wall with Entrance	₹ 50,23,425.00
121	Kaliaganj	Construction of Road with Protection wall	₹ 41,48,849.00
122	Dinhata	Construction work for concrete road with beautification	₹ 46,04,846.00
123	Sainthia	Construction of R.C.C short span Bridge on Ca..	₹ 12,19,287.00
124	Sonamukhi	Earth filling work of dumping ground for SWM..	₹ 24,97,292.00
125	Sonamukhi	Construction of boundary wall for SWM project	₹ 1,31,93,415.00
126	Naihati	Construction of New RCC Road with Side drain for Betterment of SWM Project at Phulpukur starting from KD road (opp Naihati Bus Terminal) up to the Project site Main Gate in Ward no -11 under Naihati Municipality	₹ 16,37,642.00

Sl No	ULB Name	Project Name	Amount (In Rs)
127	Naihati	Construction of Bullah pilling for betterment of SWM Project site at Phulpukur starting from KD road (opp Naihati Bus Terminal) up to the Project site Main Gate in Ward no -11 under Naihati Municipality	₹ 18,24,745.00
128	Arambag	Construction of Bituminous approach Road from Arambag Burdhaman Main Road to Boundary wall of proposed SWM Site (LR Plot No 29, Mouza Mandra JL No 05) under Arambag Municipality	14,82, 154.00
129	Berhampur	Construction of Temporary Central Processing Unit at Mouza – Chaipara, JI No 15, Plot no R.S 406 (L.R 329 under PS & Dist Murshidabad, Berhampur Municipality	₹ 34,18,579.00
130	Asansol MC	Construction of Segregation Platform at Asansol Dumping Ground Kalipahari in Ward No. 39 Asansol MC	₹ 28,69,872.00
131	Asansol MC	Construction of Segregation Platform at Jamuria Dumping Ground 6 No. Bypass in Ward No. 4 Asansol MC	₹ 28,80,688.00
132	Asansol MC	Construction of segregation platform at Burnpur dumping ground, Samdih in ward No-106, Asansol MC	₹ 28,69,872.00
133	Barasat	Construction of RCC box drain starting from Municipal Solid Waste Disposal Ground of Barasat Municipality at Mouza-Kuberpur to Sunti Canal (N/H Mukherjee) Via Tirupati Garden, Barasat Dist, North 24 Paraganas	₹ 1,07,09,651.00
134	Purulia	Approach Road to prposed interim CPU for Fresh Waste processing at dumping ground hutmura under Purulia Municipality	₹ 21,71,598.00
135	Purulia	Setting up interim CPU for Fresh Waste Processing at Dumping Ground Hutmura under Purulia Municipality	₹ 28,97,914.00
136	Rajgunj	Construction of PCC Platform and approach road for ICPU of fresh waste at Bandar dumping Ground under RAIGUNJ Municipality	₹ 16,37,879.00
137	Englishbazer	Bituminous road from Mahadipur main road to SWM dumping ground approach road Englishbazer Municipality at Kanchantar, Kasimari, Mouza- Fulbari Araj, P.s_ Englishbazer,Malda	₹ 29,83,026.00
138	Ramjibonpur	Construction of Approach Road (CC) around the dumping ground area and protection of Road with eucalyptus bullah pilling at Gobindapur in ward no 4 within Ramjibonpur Municipal area.	₹ 35,38,765.00
139	Dubrajpur	Construction of approach road for processing unit at Dubrajpur Municipality	₹ 7,77,196.00
140	Dubrajpur	Construcion of Boundary Wall for processing unit at Dubrajpur Municipality	₹ 44,41,633.00
141	Memari	Construction of Boundary Wall and Land Development Dumping Ground at ward no 15 for SWM Project of Memari Muniaplity	₹ 43,61,459.00
142	Krishnanagar	Boundary wall at godadanga dumping ground under Solid Waste Management within Krishnanagr Municipality	₹ 76,87,019.00

Sl No	ULB Name	Project Name	Amount (In Rs)
143	Kharagpur	Construction of concrete road for Shiv Mandir to Hiradi dumping ground	₹ 1,55,75,870.00
144	Chakdah	Construction of boundary wall at Sarmastarpur of Dag No.360,360/1349, 360/1350 of Mouza – Sarmastarpur of JL-18, Khatian No.1732, 1722, 1733 for SWM Project within Chakdah Municipality	₹ 40,68,523.00
145	Bunidpur	Upgrading of road with Cement Concrete inside of Dumping Ground of Buniedpur Municipality at Mahugram, P.S.- Banshihari, Dakshin Dinajpur	17,67,094.00
146	Bunidpur	Construction of Boundary wall of Dumping Ground of Buniedpur Municipality at Mahugram, P.S. - Banshihari, Dakshin Dinajpur	61,37,288.00
147	Bunidpur	Construction of Interim CPU of Dumping Ground of Buniedpur Municipality at Mahugram, P.S.- Banshihari, Dakshin Dinajpur	29,46,298.00
148	Chakdah	Construction of Dry waste & Wet waste processing unit at tenching Ground.	14,36,903.00
149	Chandrakona	Proposed 9 TPD Municipal Waste Processing Plant and other Ancillary works under SWM Project within Chandrakona Municipality	₹ 1,38,19,215.00
150	Chandrakona	Construction of Boundary wall security room control room, office room and other ancillary for proposed 9 TPD Municipal solid waste processing plant under S.W.M project within Chandrakona Municipality.	₹ 46,79,480.00
151	Chandrakona	Construction of internal roads, drains, compound filling and other ancillary works for proposed 9 TPD municipal waste processing plant under S.W.M project within Chandrakona Municipality.	₹ 47,49,683.00
152	Sainthia	Proposed 12 TPD Municipal wet waste processing plant and other ancilliary works under SWM project within Sainthia Municipality	₹ 2,53,70,791.00
153	Sainthia	Proposed 07 TPD dry waste processing plant and other ancilliary works under SWM project within Sainthia Municipality	₹ 30,77,296.00
154	Sainthia	Consruction of Boundary wall, Security room, control room, office room and other ancilliary works for proposed 12 TPD and 07 TPD municipal waste processing plant under SWM project within Sainthia Municipality	₹ 58,85,343.00
155	Sainthia	Construction of internal road, drains, compound filling and other ancilliary works for proposed 12 TPD and 07 TPD municipal waste processing plant under SWM project within Sainthia Municipality	₹ 37,61,081.00

Sl No	ULB Name	Project Name	Amount (In Rs)
156	Joynagar-Mazilpur	Proposed 09 TPD municipal Solid waste processing Plant with Bored cast-in- situ RCC piles and other ancilliary works under SWM project within Joynagar-Mazilpur Municipality	₹ 2,25,73,896.26
157	Joynagar-Mazilpur	Consruction of Boundary wall, Security room, control room, office room and other ancilliary works for proposed 09 TPD municipal solid waste processing plant under SWM project within Joynagar-Mazilpur Municipality	₹ 41,20,395.21
158	Joynagar-Mazilpur	Construction of internal road, drains, compound filling and other ancilliary works for proposed 09 TPD municipal Solid waste processing plant under SWM project within Joynagar-Mazilpur Municipality	₹ 53,22,608.34
159	Kharar	Proposed 05 TPD Municipal Solid waste processing plant and other ancilliary works under SWM project within kharar Municipality	₹ 1,03,90,774.00
160	Kharar	Consruction of Boundary wall, Security room, control room, office room and other ancilliary works for proposed 09 TPD municipal solid waste processing plant under SWM project within Kharar Municipality	₹ 45,27,892.00
161	Kharar	Construction of internal road, drains, compound filling and other ancilliary works for proposed 05 TPD municipal Solid waste processing plant under SWM project within Kharar Municipality	₹ 52,89,049.00
162	Barasat	Construction of RCC box drain starting near Municipal Solid Waste Disposal Ground of Barasat Municipality at Mouza – Kuberpur to Sunti Canal (N/H Aloke Mukherjee) via Tirupati Garden, Barasat Dist. North 24 Parganas	1,07,09,651.00
163	Jhargram	Submersible pump at dumping ground in RS plot no 1253 (part) mouza- Jungalkhas, Jl no-395 and mouza seirampore, Jl no-356, Rs- Plot no-111 & 159/187, ward no 16, ps jhargram dist-jhargram under jhargram municipality	₹ 6,04,816.00
164	Jhargram	effective service connection of simoco tele communication (South east asia) i.f.e Tapas Saha at Jhargram dumping ground under Jhargram CCC.	₹ 20,00,000.00
	Total		₹ 59,45,93,351.81

Annexure-III

Salient Features of End to End Integrated Solid Waste Management Model (i.e. segregated collection, transpiration and processing) engaging agency for 4 Hilly Towns of West Bengal

The arrangement shall work on a CAPEX + OPEX Model wherein State Government/SUDA shall be responsible for making the capital investment to provide necessary infrastructure facility at the primary processing site (MOTHER CENTER) in this Package for the comprehensive operation and processing of fresh waste to the Operator. The Model will be similar to Pramodnagar Model of Cluster 1.

There will be a Collection & Transportation Tipping Fee provision in this package only. It will involve Design, Build, Operate, Collect, Transport & Disposal of Fractions. CAPEX will be provided for the Processing Site as per requirement. Due to unavailability of land, satellite centers may be omitted and only Small Transfer stations may be setup. The Tipping Fee for Processing of waste will be absent due to CAPEX Involvement. Alternatively 2 tenders may be floated – 1 for Collection and Transpiration tipping fee and 1 for processing of waste at Mother Center.

- ✓ There will be a Mother Center which will be responsible for the cluster processing and satellite centers/ULBs which will be responsible for pre-processing of fresh waste – both dry and wet through SHGs with required infrastructure.
- ✓ The Recovered Material Fractions will be then value added/further processed by Operator/Bidder at the Mother Center.
- ✓ A minimum waste assurance agreement needs to be signed by satellite centered ULBs with SUDA and Operator/Bidder to ensure viability of this model.
- ✓ All Selling Rights from the recovered fractions pertaining to the cluster shall be with the operator/bidder.
- ✓ Due to high transport charges/disposal charges the commission/royalty model may not work for this cluster as the project might be less viable on economic terms.

Role of Satellite ULBs:

1. Dry Waste Pre-Processing as part of Transfer Stations
2. Wet Waste Compactor Stations.

ULB to facilitate in Segregation only.

Role of Mother Centers under Operator/Bidder:

1. Dry Waste Pre-Processing by Operator and further sorting & MRF packaging unit.
2. Wet Waste Composting as part of Windrows Management for Mother Center and Subsequent Value Addition & Packaging Unit for both Satellite ULBs & Mother Center.