Request For Proposal (RFP)

for Selection of Service Provider for the Material Recovery Facility (MRF)

for Ranchi (Rural), Jharkhand

Implementation of "Rural & Urban Landscape Free of Dry & Plastic Waste"

1. Project Background

The consumption of plastic in India is increasing by a compounded annual growth rate (CAGR) of 10% every year. It is estimated that shortly by 2022, India's production from virgin plastics would reach a figure of 20.0 million metric tons (MMT) while plastics consumption presently in 2020 is nearly 11.0 MMT. This prioritizes the importance of circular economy approaches usefulness. Reuse, Reduce, Refurbish, Repair, Recycling, and Recovery of the plastics waste (resource/product) in the overall economy of plastics.

The per capita consumption of plastic in India is 11 kgs per person, which is much below the world average per capita consumption of 28 kgs per person. (Figures 2015). HDFC Bank and Centre for Environment Education (CEE) partnered to address the circular economy approaches for dry & plastic waste to be seen as a resource or a product than waste.

The proposed project will focus in meeting the following thresholds:

- 1. **Minimize negative impacts and risks** to the environment and to human health in the pilot areas in both rural and urban and promoting a **zero-waste approach** zero landfills, zero littering, zero plastic burning, zero emissions, and zero wastages in plastic waste management in rural and urban spaces in India,
- 2. Enhancing a more participatory, integrated sustainable plastic waste management practices, through a socio-technical model collection, segregation, transportation, processing/manufacturing and recycling/End of life/Co-processing, its institutionalization with respective national and state governance mechanisms.
- 3. Ensuring compliance with regulations to have efficient use of material resources and improved socio-economic conditions of waste pickers and informal sector. The project focus is to have systems and processes in place to have an inclusive growth for the informal sector. Bring the informal recyclers into the formal organised and structured sector. This will help better in the recycling industry and in line with the plastic waste management Rules, 2016, 2018 and the Swachh Bharat Mission (Rural) I and II in India.
- 4. Multi stakeholders approach as an integrated model to address better dry and plastic management with support from HDFC BANK and convergence cost (both in-cash and in-kind) from the state and central government funds, NGOs/Companies contributions as waste management agencies (WMAs), by establishing an Swachh Sustainable Business Models (SSBMs) for improved plastic waste management, piloted and implemented in 10+ cities and 140 villages in a state by establishing dry waste material recovery and recycling facilities as Swachh Centres (SCs), in line with the emerging MOEFCC GOI "National Resource Efficiency Policy" and the "National Materials Recycling Policy".
- 5. Better Institutionalization in the project both for the informal sector and waste pickers working in the Swachh Centres (SCs), and in the DRDAs in the rural areas for a more sustainable solution.

2. Objective of the Assignment

The selected Service Provider (SP) is expected to the following activities to ensure Circularity Approaches in Waste Management:

- 1. Facilitate implementation of project activities in the areas of dry and plastic waste management in the assigned rural areas i.e, Ormanjhi and Angara Blocks of Ranchi District. The SP will be involved in day-to-day activities for setting up management and operations of the Material Recovery Facility (MRF) in coordination with the DRDA/Zila Parishad and SBM(Grameen) Ranchi East of the respective District.
- **2.** The SP would also facilitate all regulatory and compliance mechanisms required for the effective functioning of MRF.
- 3. The SP partner will be ensuring collection, segregation, transportation, processing and recycling and safe disposal mechanism in the Dry & Plastic waste and put in both places manually and digitally (with support from the project).
- 4. <u>A transparent verifiable system of waste flow</u> along the waste value chain in the designated 120 villages and 39 panchayats of Ormanjhi & Angara block as per table provided below.
- 5. The SP will aim to meet a minimum collection, segregation, transportation, processing and safe disposal of plastic and dry waste TARGETS as per table provided below.

A Minimum Collection Target for total Dry including Plastic waste					
Number of months	A Minimum Collection Target- Per month	Total Tonnage (MTs)			
3 months	40 MT	120			
	Total	120			

- 6. The SP will maintain good relations with all stakeholders for sustainable implementation of activities using participatory and gender sensitive tools. Also, maintain good relationships with local and state authorities e.g., state pollution boards; ZP, DRDA, SBM (G), rural/urban local bodies, state environment departments etc. and have an exceptional track record with the waste collectors, related CBOs/NGOs, communities of practice in the community development, Behaviour Change Communications (BCC) and Information, Education and Communications (IEC) processes and systems
- 7. The SP with directions from CEE to ensure proper monitoring for each activity as per the budgets and meeting the desired deliverables at all levels and reporting back to the DRDA/ZP, DW&SD Ranchi East and SBM(G), Govt of Jharkhand, CEE project units as per required systems.
- 8. The SP with direction from CEE ensures to procure the map of district and mark the blocks (Ormanjhi & Angara) in district where project have to work. Then mark the 39 Panchayats and 120 villages as well accurately. Keep these maps in safe custody.
- 9. The Service Provider team engaging the women SHGs will segregate all fractions of plastic and dry waste received from the village/GP of Ormanjhi & Angara Blocks (on purchase at the prevailing market rates) in the MRF facility and further purchase the materials from the safaii mitras, waste pickers, women SHGs, small aggregators, urban centres from the city etc for its MRF. (This includes all dry waste, but not Construction and Demolition {C&D}).
- **10.** The SP will ensure assets operations and maintenance and insurance of machines at MRF. However, the assets at MRF shall remain the property of CEE till such time it is not handed over to DRDA/SP after the agreed timeframe.
- **11.** The SP will also ensure the insurance of all the people working at the MRF at the plant and machinery in operations.
- 12. The SP with guidance from CEE on systemic approaches will ensure Standard rate cards for all Purchase and Sale waste categories to be displayed at the MRF gate and in the facility. This would help waste pickers, citizens, scrap dealers to walk in and sell their waste. Also, CEE will guide the SP to ensure all standard Safety parameters (ISO marked fire extinguisher, etc.) to be placed and adhered too.
- **13.** The SP will take the timely, appropriate and necessary approvals from CEE, the District Industries Centre, State Pollution Control Boards, State environment, rural departments, tourism department, etc. (if required) to run the MRF etc.

- **14.** The SP will engage with citizen community of the assigned 120 villages and 39 GPs of Ormanjhi & Angara Blocks and spread the message on segregation, dry waste recycling and build a volunteering community to take the idea to the masses.
- **15.** The SP will meet all the electricity and water expenses for running the MRF and other aspects on monthly basis.
- 16. The SP to keep all the activities physical and financial records in a more systems approach. Keeping all financial systems in place. A Utilization Certificate format (will be shared) to be used for all expenditures and approval of proposals. Ledgers will be maintained by the SP at all levels for all expenditures budget head wise. All convergence and co-finances should be included separately in the UC.
- 17. The SP will be responsible for daily routine operations, the institutionalization of the waste pickers (DIDIs) at the Swachh Centre, data management, and meeting the defined deliverables of the project.
- **18.** The SP will ensure co-financing generated in the project both in-cash and in-kind.
- **19.** The SP will have a local official as its nodal person/institution to exchange information related to project activities to concerned stakeholders.
- **20.** The SP will be responsible for achieving sustained operations and maintenance of the MRF. This will ensure the purchase of all types of materials at the MRF for its various operations.
- **21.** The SP will execute limitedly IEC activities in the 39 Gram panchayats and 120 villages including mass media activities, e.g., design and publication of the brochures, posters, slogans, jingles, films, etc. both on social media and the press.
- **22.** The SP will ensure desired capacity-building programs for different stakeholders on plastic waste management targeting the media, SBM teams, Cluster coordinators, Sarpanches and the women SHGs, Youth clubs, educational centre, social clubs etc.
- **23.** The service provider shall be responsible for determining the purchase price, enter contracts for the supply of different grades of plastics & other recyclable dry waste with the recyclers including its transport and establish linkages with cement plants for non-recyclable waste.
- 24. The SP shall ensure minimum materials go to the landfill sites/dumping yards.
- 25. The SP will obtain all necessary permissions for transboundary movement originating from MRF.
- **26.** The SP will comply and follow the Solid Waste Management Rule 2016, 2018 Plastic Waste Management Rules 2016, 2018, 2022 and other applicable rules & laws as made applicable by Govt. of India or Govt. of Jharkhand from time to time. Also introduce schemes such as deposit return schemes, reverse vending machines (RVMs) at the tourist destination spots etc.
- **27.** The SP establish a proper monitoring system and provide all the reports monthly to CEE and DDC-cum-CEO, ZP, Ranchi, DW&SD, Ranchi East and SBM(G) Jharkhand.
- **28.** The SP with DDC-cum-CEO ZP and DW&SD, East Ranchi will do training and capacity building for the women SHGs members, safaii mitras, small aggregator's and Kabadiwallahs. Several modules will be developed for such trainings.
- 29. The SP will create traceability and transparency in all its operations; and reporting of plastic waste footprint and impacts achieved through a holistic strategy targeting all stages of the plastic supply chain; designing a plastic credits scheme so that they assist companies to comply with EPR schemes.
- **30.** The SP after the completion date of the project, unless and otherwise extended will give all machines etc. in the MRF facility to the DRDA/ZP and SBM(G) or as mutually agreed; to run the Centre profitably.
- **31.** The SP through will develop and execute business model for non-biodegradable waste management including plastic waste so that MRF will work as a sustainable enterprise.
- **32.** The SP with support from SBM II and ZP to link Swachhagrahi Samooh/Swachhta Sathi with various national level and state level schemes for social security and inclusive growth.
- **33.** The SP will provide Dress, safety jackets, goggles, helmets, gloves and safety shoes to the working inside the Material recycling centre.

- **34.** The SP will pay adherence to the Dos and DONOTs standard operating procedures for the MRF.
- **35.** The SP will bear all the related expenditures for the segregation, sorting of different fractions of waste at the MRF Site and also transportation of the materials to either Recyclers, Cement Co Processing plants or as the case be. The funds can be sourced from SBM (G), Jharkhand or other sources, but not the project.
- **36.** The SP will keep all the proper accounting and systems under the direction of CEE for all the sale proceeds of the materials (income expenditures monthly statements; this is also necessary to have the sustainability in place).
- 37. Any Other activity as desired by CEE to meet the objectives of the project to be undertaken as directed by the project.

3. Scope of Work for SP:

The selected SP will undertake tasks as a target as listed against each component in the budget submitted. It is envisaged that the SP will ensure implementation of the activities as listed in the meeting the "objectives of the assignment". Given the dynamic situation of Dry waste management new activities can also be included in the contract. But the Budget lines and the total budget remains the same.

The list below is for first three months (upto March 2025).

SP will ensure to develop and implement a revenue model-based approach through the MRF and monitor the project in lines with the guidance provided by the project team. Clear and periodic agreements will be made with recyclers, kabadi wallahas etc. to generate revenue streams for the dry waste to be Recycled.

SP will develop creative ways of linking with schools, educational institutions, shops, hospitals, industry houses etc. (other stakeholders) in the given 120 <u>rural village</u>, 39 <u>panchayat of Ormanjhi & Angara Blocks</u> for collection of plastic and other dry waste for recycling).

List of activities as identified area as listed below. Additional activities can be added as mentioned before but NO ADDITIONAL budgets will be provided to do these activities.

4. Proposal to be submitted by Service Provider:

The bidder SP will submit a proposal in the format as attached.

The proposal must demonstrate how the proposed methodology meets the ToRs in the rural areas of Ranchi District in two blocks viz, Ormanjhi and Angara, while ensuring appropriateness of the approach to the local conditions and the detailed project activities.

This methodology must be laid out with the required details of activities to be done defined in qualitative, quantitative and in time frame.

The proposal must define and state how the project will be able to deliver the requirements in the ToRs. The strategy/methodology and also the monitoring mechanisms. Other innovative methods for better awareness and check littering will be welcomed.

The proposal must contain the required details and document as detailed in the eligibility & evaluation criteria to specific points.

The Proposal must be sent through email to purchase@ceeindia.org With the subject line clearly mentioning the city for which the proposal is being submitted.

Subject line: Proposal_Service Provider_____City name: Ranchi Rural The proposal may be restricted to 10 pages. Annexures can be extra.

5. Eligibility & Evaluation Process:

Evaluation of proposals will be based on Quality-based competitive bidding Selection methodology that means the selection will be based on the best quality proposal, experience in management and operations for plastics waste management projects with local urban/rural bodies, in particular, will be given preference and the lowest quoted budget (as defined in the document, cannot exceed the given total budget amount and lowest quoted rate will be given L1) as per the below-given marking system.

Amongst technically responsive and qualified organisations, the top-scoring organisation will be selected for the award of the contract to work as a Service provider in the city.

SI. No.	SI. No. Evaluation Criteria			
1	Experience in dry/plastic waste management and operations.	20		
2	Experience working with Municipal Corporations, Urban/Environment/Pollution Control Boards/Government/Cantonments/in any waste management related activities (collection/segregation/processing/recycling/Swachh Bharat Mission related activities) Local experience in state/city/DRDA of operation will be preferred.	20		
3	Experience working with Waste pickers/Kabadiwalas/other informal sectors.	10		
4	Proposed methodology, approach and overall quality of the proposal aligned with project objectives and deliverables.			
Total		70		
5	Budget quotation (L1) Lowest bid party (including GST) will get the highest mark.			
Grand Total				

6. Duration of Assignment, Deliverables, Payment terms

- 1. The contract duration will be from <u>January 2025 to March 2025 initially, extension depending</u> upon availability of budget and satisfactory performance of the selected SP.
- 2. The contract <u>will be annually reviewed, and assessment of the partner on the agreed deliverables will be done by the project and as found suitable meeting the performance criteria's will be renewed for extension annually with new budget lines and quotes.</u>
- 3. Once a contract is awarded to the selected SP, first payment will be based on submission of work plan (including list of activities and estimated costs) by SP and acceptance of the same by CEE team.

- 4. Subsequent payments will be based upon the financial break-up submitted and agreed by CEE team during the implementation time.
- 5. The selected SP will be required to submit <u>Audited Utilization Certificate</u> from a Chartered Accountant to CEE before release of second and subsequent payments. All convergence and cofinances should also be included separately in the UCs (Formats will be provided).
- 6. All the Machines; shall remain in the custody of the project till final decision on the closure of the project and handing over the machinery to the DRDA/ZP or the Service Provider.
- 7. Every year asset records will be furnished by the service provider at the end of the year; and with a full project report on yearly basis by the service provider.

Payment Terms:

Cost Breakdown instalment wise (including of GST)*:

#	Deliverable	% payment of the contract amount in INR	Price in INR (Lump Sum, All Inclusive)
1	Detailed work plan with estimated costs for activities from signing of the contract.	40	
2	Submission of audited Utilization Certificate (90%) from a Chartered Accountant for previous installment and detailed work plan with the delivery report with estimated cost for activities for the 1 st year.	40	
3	Submission of audited Utilization Certificate for all expenses in year one (01) from a Chartered Accountant for all the expenditure related to year one and the satisfactory completion of activities as listed. A penalty clause will be levied in case of uncompleted activities at the end of Year 1.	15	
	Total	100%	INR

^{*} The price to be quoted by the bidders is including of GST and cannot exceed the given maximum amount.

Penalty clause:

CEE may impose a penalty up to $\underline{5\%}$ - $\underline{8\%}$ of the contract value for moving out of project mid-way; non-completion of activities.

List of Activities with the deliverables and budget (including of GST):

SI.	Details of Activities with minimum Details of Activities with minimum		(1	Budget (Rs.) (Jan'25 to March'25)		
No.	Activity	quantifiable deliverables	Description	Unit Price (INR) (a)	Number of units (b)	Total Price (INR) a x b
1	Initiate formation of Self-Help Groups (SHGs), awareness, meetings in segregation of dry/wet waste and organizing meetings, exposure visits and special events at village, panchayat, and block levels in the district.	 Total 1 mtgs in 30 villages/panchayats/block every 2 months per month; 30x 6= 180 awareness trainings on segregation in new / existing SHGs Establish linkage with 50 Villages/Panchayats (new or existing) for regular collection of segregated plastic waste 	A minimum of 30 villages to be reached effectively	10,000	3	30,000
2	Village, Panchayat, and Block level officials' engagement in 50 villages - Meetings, Workshops, trainings, exposure visits with local SHGs e.g. And other officials as BDO, SBM in charge, Sarpanches etc. in the district.	 03 formal meetings with Government officials over 03 months (Minutes of meeting to be recorded) Hosting 2 workshops with Government stakeholders (city and/or state govt.) Written acknowledgement on the monthly report & collection tonnage from BLOCK level every month for onward submission by CEE. 	One/two small meeting per month with concerned stakeholders. Minutes need to be drafted for every meeting.	10,000	3	30,000
3	Organizing drives, Vehicle hire for message dissemination; innovative events; school children rally for programs on awareness, collection, segregation of plastics as special events in each village, panchayat, block levels to create more support in the district.	 On-board at least 10 schools, college, markets, small aggregators and others in villages, panchayats and block Awareness sessions in School/Colleges Form 10 Green volunteers committee in villages, panchayats and block HQ/School/Colleges. 	4 events per year; more sources to be leveraged from the related institutions.	10,000	3	30,000
4	Experience sharing workshops with different stakeholders at the Block level for awards functions SHGs; sarpanches to promote Segregation at source.	One workshop at block/district level with different stakeholders on the project and overall waste value chain.	one workshops per block per year. Cost per year per workshop	15,000	2	30,000

SI.	Activity	Details of Activities with minimum	Description	(INR) (a) units (b) (INR) a x	(Jan'25 to Marc		
No.	Activity	quantifiable deliverables	Description		Total Price (INR) a x b		
5	MRF operation at the agreed designated area in the district/block: Related expenses for electricity, toilet, drinking water for the Swachh Centres. Setting up office furniture etc. in connection with plastic collection, segregation & recycling including adhoc expenses.	• 100% adherence to Project SOPs on operations and maintenance • Proof of internal audits on Plant & Machinery and operations (quarterly) • Ensuring cleanliness, hygiene at the MRF • Monthly photos to be given during audit. • Adequate signage of safety, process advisory, project information and emergency response, and other relevant posters on site • MRF signboard as per CEE-HDFC Bank branding guidelines with SP • Availability of visitor registers; asset register, safaii mitras/SHGs meeting register and all others for monitoring. • Registration of Centre Under DIC, Pollution control Board CTE & CTO. Application to be made within 3 months of starting operations • Water Cooler, Changing Room, Separate lockers for SHG members/Safai Mitras, Ladies & Gents' toilet and Rest Room availability for SHG members/Safai Mitras within 2 months of operation initiation • On time Machine repair, part replacement for smooth operations. Maintain spares as defined by project	Per month cost;	40,000	3	120,000	
6	Expenses for purchase of waste materials for collection, segregation, recycling if any. Including mapping of Recyclers, small aggregators, women SHGs/safaii mitras etc by the SP.	 Collection and processing of targeted plastic waste (MTs) per month with full traceability and paper trail. Data management through inward register, stock register, outward register, invoices, recycler certificates, machine logbooks and transportation documents (essential) Linking collected materials to at least 70% of the materials to recyclers (both registered or unregistered recyclers with clear invoices and delivery challan). 	One time cost	150,000	1	150,000	
7	IEC Materials developed at project	ID cards to be issued through the local DRDA	Per year cost				

SI.		Details of Activities with minimum		(.)	Budget (Rs.) Jan'25 to March'2	25)
No.	Activity	quantifiable deliverables	Description	Unit Price (INR) (a)	Number of units (b)	Total Price (INR) a x b
	levels by the service provider after approvals from project.	 Pamphlets, leaflets for trainings in local language (at least 500 copies) Other creative materials required at site (at least 25) 		30,000	1	30,000
8	Safety & Protection: Purchase of dress, gloves, masks, bins to be sourced. Also on emergency preparedness, fire safety, Covid19 compliances, etc. Also, efforts to raise funds from other donors/DRDA at the district.	 Minimum achievement of: Purchase of gloves, masks, boots, safety gears and protection gears for at least 250 SHG members/SMs Connecting at least 2 external supports through co-finance for safai Mitras inclusion activities Fire safety equipment's, Conducting of fire safety drills (one per quarter) 		200	500	100,000
9	Fire safety compliances and Fire Safety trainings with local fire department each quarter	Minimum achievement of: • 6 nos. sand buckets 9 kg each • 3 nos., 4.5 Kg each CO 2 type fire extinguishers • 3 nos., 9 Kg ABC type fire extinguishers • 2000 Litres freshwater tank with tap • Minimum O2 fire trainings		-	1	-
10	CTE & CTO compliances	Minimum achievement of: • Consent to establish and Consent to operate to be taken from SPCB • Adherence of rules for Air & Water pollution issued by SPCB	Lumpsum	-	1	-
11	Insurance of Plant, Machinery and working staff: Insurance for fire, cyclones; and any other factors to supported un-interrupted works at the SK. Insurance for stock in Goods and people working at the centre per year.	 Insurance of Plant, Machinery and working staff: Insurance for fire, cyclones; and any other factors to supported un-interrupted works at the SK. Insurance for goods in stock and people working at the centre per year. 	To be complied	40,000	1	40,000

SI.		Details of Activities with minimum		(1)	Budget (Rs.) an'25 to March'2	25)
No.	Activity	quantifiable deliverables	Description	Unit Price (INR) (a)	Number of units (b)	Total Price (INR) a x b
12.1	Field Project Coordinator for the Service provider for IEC, awareness campaigns and overall coordination		Per month cost per person	25,000	3	75,000
12.2	Monitoring & Communication Associate	Transparent process followed for on boarding of employees	Per month cost per person	15,000	3	45,000
12.3	Account Associate	 Proper Appointment letters issued to staff. Salary to be given on time and in the bank 	Per month cost per person	12,000	3	36,000
12.4	Associate for integrating Informal sector	account. Attendance registers properly maintained.	Per month cost per person	12,000	3	36,000
12.5	Muqaddam for supervising the Waste Collectors in the wards for operations for the Service provider	• Ensure proper collection, segregation, sorting, and processing of waste at the MRF through different mechanical processes using the Phatka machine, shredders, bailers,	Per month cost per person	12,000	3	36,000
12.6	SHG members/Safaii Mitras for collection, packaging, loading at Centre, Operating at Phatka machine, Shredding machine, Air blower (5 No.) for the Service provider		Per month cost per person	10,000	15	150,000
12.7	2 field coordinators for integrating the meetings with the villages, panchayats, and block officials for 50 villages	 Facilitate meetings in 25 villages, panchayats each with SHGs and collection, segregation of waste at the village, panchayat level Ensure maintenance of proper records at the SHG levels Maintain a daily visit report (format to be made by project). Sharing of data and information on monthly basis 1 person for managing the operations of Coconut shredder and making it an enterprise. 	Per month cost per person	10,000	10	100,000

SI.	A chivita.	Details of Activities with minimum	Description	(1	Budget (Rs.) an'25 to March'2	<u>25)</u>
No.	Activity	quantifiable deliverables	Description	Unit Price (INR) (a)	Number of units (b)	Total Price (INR) a x b
13	Local Travel costs (coordination with stakeholders) for the service providers	Proper Log book to be maintained with the purpose of Travel.	Per month cost per person	10,000	3	30,000
14	Monthly review meetings with the project Team-Virtual/Physical. Review of the MRF facility (once constructed).	On Time	Per month cost	5,000	3	15,000
15	Computer, Printer and other capital equipment purchase at MRF & and at office	Purchase bills to be kept	One time cost	80,000	1	80,000
16	Administrative expenditure by the service provider.	All aspects of coordination; and proper HR, Safai Mitra's management	Per month cost	10,000	3	30,000
17	Incentive for the collection & processing of waste at the MRF	Minimum of 210 MTs of waste to be processed in three months; this will be paid in the last instalment	One time cost	200,000	1	200,000
				1,393,000		