



**DEVELOPING RESILIENT ENVIRONMENTS AND ADVANCING MUNICIPAL SERVICES
(DREAMS)**



**INVITATION TO INTERESTED PARTIES / FIRM FOR MARKET ANALYSIS THROUGH SUBMISSION
OF THEIR PROFILE**

**FOR
DESIGN, BUILD AND OPERATE (DBO) CONCEPT FOR
BAHAWALPUR INTEGRATED SOLID WASTE MANAGEMENT**

Program Management Unit (PMU) on behalf of Government of Punjab invites applications to conduct market sounding from suitably qualified and experienced International / National, Firms/ Contractors for Design, Build and Operate (DBO) Concept for approximately 500 Ton/Day Integrated Solid Waste Management system for Bahawalpur City of Southern Punjab of Pakistan.

Tentative Scope of Work:

Government of Punjab has secured a funding from Asian Development Bank (ADB) for Bahawalpur Waste Management Company (BWMC) incorporated as limited by Guarantee Company under section 42 of the Companies Ordinance 1984 on July 13, 2013 and registered with Registrar Joint Stock Companies (RJSC) as a non-profit organization. The BWMC is governed by Board of Directors (BODs), headed by a chairman, aims to develop an integrated system of solid waste management to ensure efficient collection, transportation, recovery, treatment and disposal of the waste generated in Bahawalpur (BWP). BWP is located in South Punjab of Pakistan and has a population of about 0.90 million (2028) residents within 21 union councils (UC), within the Municipal limits excluding cantonment and private housing societies.

Required Profile Experience:

The companies responding to this survey/market sounding should individually or JV as part of consortium will possess following expertise:

- I. Design, Build and operate experience of minimum of 2 projects with the daily waste generation volume of 500-700 tons per day. The expertise and experience should include all the components of integrated waste management system.
- II. A minimum of five-year MRFs facilities operations experience with an incoming MSW volume of 400 to 500 tons per day.
- III. The experience should include a minimum of 2-3 engineered landfills design and construction including the demonstratable landfill operations experience.
- IV. The individual company/JV should have a proven demonstratable experience of remediation of dumpsites and made them environmentally safe with all monitoring control as per the EPA guidelines.
- V. The individual company/JV should demonstrate financial credentials for executing the projects.

Note:

- I. The client will not be responsible for any cost or expense incurred by the interested parties/firm for submission of their profiles.
- II. This market sounding analysis may not be considered by applicants as a prequalification exercise / criterion.

The interested Parties/Firm are requested to submit their company profile along with supported documents on our email (iswm.bwpdreams@piciip.gop.pk) by **15th March, 2024**.

The briefed scope can be download from the website i.e. <https://piciip.gop.pk/procurement.html> & <https://www.bwmc.com.pk/cu.html>. It is again reiterated that the submission of the above-mentioned document shall not relate to any criteria or pre-qualification

**Deputy Program Director (Project Coordination Unit)
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This purpose of this document is to conduct market sounding for the interest by applicants to participate in Design, Build and Operate services for the duration of 10 years (03 years Design Build period and 7 years Operations period). The broad Scope of work may include:

- I. Primary and secondary waste collection, of approximately 500 Tons/Day
- II. Door to Door waste collection from residential areas
- III. Mechanical & Manual sweeping & washing of designated roads, streets, footpaths etc.
- IV. Establishment of Material Recovery Facility of approximately 400 T/D and Post consumer Plastic recycling facility of approximately 15-20 Tons/Day



- V. Anaerobic Digestion plant for source segregated organic waste of approximately 25-30 Tons/Day
- VI. Wood waste and green waste recycling and compost plant of approximately 5-10 Tons/Day
- VII. C&D Waste of approximately 5-10 T/D
- VIII. Engineered landfill based on US EPA SUBTLE D 40 CFR specifications to cater approximately an average 600 Tons/day Waste until 2050
- IX. Remediation of existing dumpsite of Bahawalpur after construction/ operation of new land fill site with all monitoring and EPA compliance.
- X. The contractor shall explore additional revenue opportunities that includes but not limited to accessing Voluntary Carbon Market (VCM) for generation and trade of Carbon / Plastic Credits in local and international markets
- XI. Capacity building of BWMC staff to operate and maintain the facilities related to ISWM
- XII. All above facilities are designed on solar power

Financial

The government of Punjab/ADB will provide CAPEX for the project and OPEX for the Project for first 3 years. The operator must make the operations sustainable and ensure revenue generation from Year- 4. The landfill must have adequate capacity to capture 99.99% of methane and flare it if not generating electricity and converting into LFG/ CNG. The Operator will ensure all necessary arrangements are made for realizing Carbon Credits.

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