



GOVERNMENT OF SINDH



EXPRESSION OF INTEREST (EOI) RESPONSE DOCUMENT

"HIRING OF CONSULTING FIRM / CONSULTANCY SERVICES FOR ENVIRONMENTAL IMPACT ASSESSMENT (EIA) STUDIES"

(NATIONAL COMPETITIVE BIDDING)

Client:

Sindh Solid Waste Management Board
D-47, Block-2 Clifton, Karachi
Ph. # +92 213 5863026 / 5372982-4
Fax # +92 213 5863029
E-mail: info@sswmb.gos.pk

To be filled by interested firm:

Name(s) of Firm _____

Complete Address _____

Contact Number _____

A. BACKGROUND & OBJECTIVE

Sindh Solid Waste Management Board has been established by an act of the Provincial Assembly for effective Integrated Solid Waste Management in Sindh and use the solid waste for power generation composting, recycling and providing proper disposal of the same in sanitary engineered landfill sites. SSWMB is embarking in garbage collection from door to door and construction of garbage transfer stations, material recovery facilities, construction of composting facilities and energy generation etc. SSWMB has arranged necessary funds from Govt. of Sindh to start the project.

Pursuing its vision to effectively and efficiently handle and manage the multifaceted solid waste related activities and establish state of the art infrastructure for the province, the SSWMB would setup garbage transfer stations, improve the existing landfill sites besides setting up new sites. Similarly, composting plants and other waste to energy plants would also be established. Thus, Environmental Impact Assessment for the said interventions and other relevant activities pertaining to municipal solid waste management including medical and industrial hazardous wastes would be carried out; however, in the preliminary phase, EIA studies for the GTS and landfill sites are predominantly required following which and subject to satisfactory performance, EIA studies in the above-mentioned areas as well as other relevant sectors would be offered.

SSWMB intends to invite PEC registered consulting firms to participate in the Environmental Impact Assessment (EIA) studies of six (6) Garbage Transfer Stations in Karachi and three (3) Landfill sites at Jam Chakro, GondPass and a new site at Dhabeji. This EIA studies will cover all the mentioned sites in one EIA document. Preference will be given to those firms/companies, which have experience in similar types of studies.

Complete details of the area, locations and activities of the sites can be obtained from the office of the Solid Waste Management Board, situated at D-47, Block-2, Clifton Karachi.

B. TERMS OF REFERENCE

The Environmental Impact Assessment should include but not be limited to the following:

- I. Objectives
- II. Complete description of the existing sites proposed for development.
- III. Significant environmental issues of concern through the presentation of baseline / primary data, which should include physical, biological, social, cultural and heritage considerations.
- IV. Assess public perception of the proposed development.
- V. Stakeholders consultation with all relevant stakeholders of the project.
- VI. Policies, legislation, rules and regulations relevant to the project.
- VII. Likely impacts of the development on the described environment, including direct and indirect impacts and their relative importance to the design of the facilities.
- VIII. Mitigation action to be taken to minimize predicted adverse impacts.
- IX. Monitoring plan which should ensure that the mitigation plan is adhered to.
- X. Alternatives to the project that could be considered at that site or at any other location.
- XI. Conclusions.

In order to carry out above noted projects of solid waste management after thorough Environmental Impact Assessment (EIA), following deliverables are expected to be achieved:

I. Description of the Proposed Project

This section will provide a comprehensive description of all components of the project and will include but not be limited to:

- a. Design and layout maps of new and existing sites.
- b. Types of waste generated, collection methods and its dumping facilities.
- c. Type and method for dumping to be used.
- d. Scope of services and operational capacity.

- e. Waste/effluent discharges.
- f. Persons to be employed during the construction and operation of the facility.

The description of the project will also indicate the area to be reserved for construction, areas to be preserved in their existing state as well as activities and features which will introduce risks or generate impacts (negative or positive) on the environment. This should involve the use of maps site plans, photography and other graphic aids and images, as appropriate, and include information on location, general layout and size, as well as construction plans.

The plans for providing utilities, waste disposal and other services like waste collection and disposal should also be outlined.

II. Description of the Environment

a. Baseline studies, data collection and interpretation

This task involves the generation of baseline data, which is used to describe the study area as follows:

- i. Physical environment
- ii. Biological environment
- iii. Socio-economic and cultural constraints.

It is expected that in methodologies it would be clearly defined how to obtain baseline and other data.

Baseline data should include:

- i. **Physical**
 - a. A detailed description of the existing soil and geology, landscape and aesthetic appeal.
 - b. Special emphasis should be placed on drainage pattern and possible effects on groundwater.
 - c. Climate conditions and air quality of the area of influence include possible particulate emissions from stationary and

mobile sources, NO_x, SO_x, wind speed and direction, precipitation, relative humidity and ambient temperature.

- d. Noise level of undeveloped site.
- e. Existing capacity and possible holding time.
- f. Land use plan after site closure.
- g. Scavengers

ii. **Biological**

Detailed description of the present flora and fauna of the area. Possible migratory species of animals. Generally, species dependence, habits/niche specificity, community structure and diversity ought to be considered.

iii. **Socio-economic & cultural**

Current human population structure in the surrounding of the project sites; present and proposed land use; planned development activities, issues related to garbage trash station and Landfill sites. Surrounded community structure, economic base/employment, distribution of income, goods and services; utilities; recreation; public health and safety; cultural attitude should be explored. The historical importance of the area if any should also be examined, while this analysis is being conducted. This assessment may vary with community structure and may take multiple forms such as informal public meetings or questionnaires.

III. Stakeholder Consultation

In order to address the proposed project's environment and social issue and impacts to the relevant stakeholders i.e. institution, governmental and non-governmental organizations etc., a consultation is necessary to be conducted. A consensus in return is developed in this regard and their reviews and comments are highlighted in the report.

IV. Legislative and Regulatory Considerations

Outline the pertinent regulations and standards governing environmental quality, safety and health, protection of sensitive areas, protection of endangered species, and land use control at the provincial level for example the provincial NEQS. The examination of the legislation should include at minimum, legislation such as Public Health Act Public Health (Emergency Provisions) Ordinance, 1944; The Solid Waste Management Board Act 2013, The Sindh Town Planning Act, 1915; The Medical Waste Management Standards, Hospital Waste Management Rules, 2005 and the appropriate international conventions/protocols where applicable, Environmental Standards in Pakistan.

V. Identification and Assessment of Potential Impacts

Identify and analyze the potential environmental and public health issues of concern and indicate their relative importance

Identify and analyze potential impacts, and relate to, (but are not restricted by) the following.

- Change in drainage pattern if any.
- Any flooding potential.
- Landscape impacts of excavation and construction.
- Possibility of pollution on potable, surface and ground water
- Air pollution
- Socio-economic and cultural impacts
- Hazard vulnerability.
- Noise
- Odour
- Spillage of contaminated waste (during collection and transportation to the landfill sites).
- Occupational health and safety issues.
- Solid Waste (hazardous and non-hazardous).
- Visual impacts, including view from the main roads.
- Distinguish between significant positive and negative impacts, reversible or irreversible direct and indirect, long term and immediate impacts. Identify avoidable as well as irreversible impacts.

VI. Impact Mitigation

Prepare guidelines for avoiding, as far as possible, any adverse impacts and due to proposed usage of the site and utilizing of existing environmental attributes for optimum development

VII. Environment Management and Monitoring

Design a plan to monitor implementation of proposed mitigation measures or compensatory measures and project impacts during construction and occupation/operation of the units or facilities. An Environmental Management Plan for the long-term operations of the site should also be prepared. An outline-monitoring program should be included in the EIA.

VIII. Project Alternatives

Examine alternatives to the project including alternative sites and the no-action alternative. The history of the overall area in which the site is located and previous uses of the site itself.

IX. Emergency Response Mechanism

Prepare an outline plan to deal with all emergency response situations that may occur at the facility and during transportation or during dumping at landfill sites to address the issue.

X. Public Participants/Consultation Program

Public hearing would be organized to address and inform about all relevant issues of the project and seek the opinion of the public on the proposed project and incorporate all the possible relevant suggestions proposed by the public in the project.

C. The EIA Report

All finding must be presented in the EIA report and must reflect the headings in the body of the TORs. **The EIA Report so prepared, shall be submitted and got approved by the Sindh Environmental Protection Agency (SEPA) and ten (10) hard copies and Two (02) soft copies of the approved report should be submitted accordingly.**

The report should include an appendix with items such as maps, site plans, photographs and other relevant information

GENERAL INSTRUCTIONS

The interested firms with valid and intact Pakistan Engineering Council registration in respective Profile Code {1232 (ii-v)} are requested to provide the complete information; firm's track record, information regarding similar projects/ work undertaken: descriptive details of experience Institutional arrangement performed during the last 05 years; key personnel details with technical qualifications and expertise; address of all permanent operational offices, Portfolio of services offered; registration details and other relevant details, if any. The firm(s) may also mention other experts and consultants, Joint Ventures if any with the local consulting services.

Interested eligible firms may obtain further information from the office of Executive Director (Finance & Planning) Sindh Solid Waste Management Board, Bungalow Number D-47, Block-2 Clifton, Karachi, Pakistan. Contact numbers are +92-21-35863026, +92-21-35863027. For further queries firms may contact at e-mail **ed.finance@sswmb.gos.pk** or visit **www.pprasindh.gos.pk**.

Sealed Expression of Interest must be delivered to the address provided above on or before the 22nd September, 2015 at 1:00 PM and the EOIs will be opened by the Consultants Selection Committee in the presence of applicants / Representatives who intends to present on the same day at 2:00 PM. In case of any holiday or on account of any emergency beyond human control, the EOIs will be collected and opened on the next working day at the same timings.

It is informed that the minimum qualifying marks are 70% accumulative, but it is mandatory to score 40% in each section. The firms scoring less than 70% shall not be considered for further process.

The procurement shall be done accordance with Quality and Cost Based Selection Method (QCBS) of SPPRA, Rules 2010

Consultants Selection Committee of SSWMB reserves the right to accept or reject any or all EOIs prior to award of contract as per SPPRA Rules, 2010.

EOI SUBMISSION FORM

To

The Executive Director (Finance & Planning),
Sindh Solid Waste Management Board
D-47, Block 2, Clifton
Karachi, Pakistan

Sir

We, the undersigned, offer to provide "Consultancy services for Environmental Impact Assessment Studies" for Sindh Solid Waste Management Board (SSWMB), Government of Sindh. We are submitting our interest before the deadline 22nd September 2015 and which includes the experience of consulting firm, specific experience, technical capacity, operational capacity and financial capacity as required by EOI document.

We understand that SSWMB reserves the right to accept or reject any offer and to annul the EOI process and reject all the responses without assigning any reason or to owe any explanation whatsoever.

We acknowledge that the decision of Consultants Selection Committee shall be final and cannot be challenged on any ground at any forum and the Committee will not be liable for any loss or damage to any party acting in reliance thereon.

We remain,

Yours' sincerely

Authorized Signature (s):
Name and Title of Signatory:
Name of Firm (s):
Address:
COMPANY (ies) SEAL

(To be filled in by the interested firms as part of their EOI response)

Sr. No.1

FIRM (S) EXPERIENCE IN ENVIRONMENTAL IMPACT ASSESSMENT (EIA) STUDIES IN LAST 15 YEARS
(MAXIMUM MARKS: 20)

S. No.	Evaluation Criteria		Marks
1.		Experience in Environmental Impact Assessment (EIA) studies in mega projects in last 15 years	10
	a.	3 jobs completed or in hand	06
	b.	3 jobs completed and 1 in hand	08
	c.	3 jobs completed and 2 in hand	10
2.		Experience with reference to monetary value of contracts awarded in last 15 years	10
	a.	Contracts awarded with monetary value between Rs. 5.0 to 10.0 Million	03
	b.	Contracts awarded with monetary value between Rs. 10.1 to 15.0 Million	06
	c.	Contracts awarded with monetary value above Rs. 20.0 Million	10

Using the format below, provide information on each above mentioned criteria for which your firm/entity, either individually as a corporate entity was legally contracted for the last 15 years. Additional sheets may be attached for a detailed narration in individual project / assignment which shall also include Review Report

S.No.	Client (Name, Address, Contact Details, etc.)	Problem Definition / Assignment	Scope of Work	Deliverable Produced	Cost of Study
1.					
2.					
3.					

Firm's Name: _____

Sr. No. 2.

FIRM (S) SPECIFIC PROJECT EXPERIENCE OR SIMILAR ASSIGNMENTS IN ENVIRONMENTAL IMPACT ASSESSMENT STUDIES FOR THE PAST 10 YEARS
(MAXIMUM MARKS: 30)

S. No.	Evaluation Criteria		Marks
1.		Experience in EIA studies related to municipal, industrial and medical hazardous waste management in last 10 years	10
	a.	1 job completed or in hand in last 10 years	03
	b.	1 job completed and 1 in hand in last 10 years	06
	c.	1 job completed and 2 in hand in last 10 years	10
2.		Experience in Environmental Management Plan for the development of Integrated SWM infrastructure	10
	a.	2 jobs completed or in hand in last 10 years	03
	b.	2 jobs completed and 1 in hand in last 10 years	06
	c.	2 jobs completed and 2 in hand in last 10 years	10
3.		Experience in EIA related Solid Waste Management Revenue Models	10
	a.	2 jobs completed or in hand in last 10 years	03
	b.	2 jobs completed and 1 in hand in last 10 years	06
	c.	2 jobs completed and 2 in hand in last 10 years	10

Please provide information on each reference assignment for which your firm/entity, either individually as a corporate entity was legally contracted.

Please provide details of assignments / projects taken for the last 10 years.

S.No.	Year	Client (Name, Address, Contact Details, etc.)	Project Name & Location	Activities Contracted	Objectives	Duration of Project*	Expert Months**	Cost of Study
1.								
2.								
3.								

- *- Please mention the dates when the project was started and completed. Duration in terms of months shall also be mentioned.
- ** - Please mention the expert months if they differ from the duration of the project.

Firm's Name: _____

Sr. No.3.

TECHNICAL CAPACITY OF THE FIRM
(MAXIMUM MARKS: 40)

The Consulting firm should ensure that the appropriately qualified experts are available, as required, for each of the different requisite tasks. It is expected that the Assignment will be led the following experts:

Sr. No	Technical experts	Marks
1	Project Manager/Team Leader with a university degree or equivalent qualification with a minimum of 15 years professional experience in the field of solid waste management, with comprehensive experience of similar assignments	05
2	Technical specialists and solid waste management engineers	10
3	Environmental and Social experts with experience in ESIA's and due diligence, health & safety, stakeholder engagement, public consultation and disclosure in the local context, gender and inclusion expertise, and/or resettlement expertise, in solid waste management sector with experience of similar assignments and with recent track record	10
4	Institutional expert with experience of similar assignments	05
5	Local experts with good communication skills and evidence technical knowledge of the solid waste management sector	05
6	Surveyors and Assistants who would perform all tasks related to collection of baseline data with minimum 5 years' experience	05

CVs of key experts who could carry out the Assignment detailing qualifications, experience in similar assignments, particularly assignments undertaken in the previous ten years, including information on contracting entity/client, project location/country, duration, expert months provided, assignment budget, main activities, objectives shall be attached.

The firm(s) shall be awarded 40 marks in case it has all the technical experts mentioned above.

Sr. No. 4.

FINANCIAL CAPACITY OF THE FIRM - AUDIT REPORTS
(MAXIMUM MARKS: 10)

Sr. No	Assignment/Projects taken	Marks
1	Audit report for the last financial year	03 marks
2	Audit report for the previous two years	06 marks
3	Audit report for the previous three years	10 marks

The firm(s) shall be awarded 10 marks in case it provides audit report for the last three years