



GOVERNMENT OF SINDH



TECHNICAL PROPOSAL

Work - (b)
(Reference No. SSWMB-NIT 18-(1 to 6)-b)

PEC CODE: C-III, ME06

Manufacturing, Supply, Installation & Commissioning of Mechanical Units for
“Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF)
Units” at 06 (Six) Garbage Transfer Station (GTS)
in Karachi

‘TWO STAGE BIDDING PROCEDURE’ UNDER RULE 46 (3) OF SPPRA 2010
(Amended 2013)

Procuring Agency:

Sindh Solid Waste Management Board
D-47, Block-2 Clifton, Karachi
Ph. #+92 2135863026 / 5372982-4
Fax # +92 2135863029
E-mail: info@sswmb.gos.pk

RFP is issued on _____

SINDH SOLID WASTE MANAGEMENT BOARD

BRIEF

Sindh Solid Waste Management Board has been established by an act of the Provincial Assembly to clean the towns & cities in Sindh and use the solid waste for power generation, compost making and re-use of waste and provide proper disposal facilities for the same in sanitary engineered landfill sites. SSWMB is embarking in garbage collection from door to door, construction of garbage transfer stations, material recovery facilities and construction of composting facility, mechanical fabrication of various elements etc. SSWMB has arranged necessary funds from Govt. of Sindh to start the project.

Reputable and well-established construction companies / Firms registered with Pakistan Engineering Council are invited to apply for participation in the prequalification process and submit the prequalification documents.

Sindh Solid Waste Management Board invites interested bidders to submit, according to the required specifications, sealed Technical Proposals without price, which shall be subject to technical as well as commercial clarifications and adjustments.

Procurement method:

TWO STAGE BIDDING PROCEDURE UNDER RULE 46 (3) OF SPPR 2010 (Amended 2013).

Required work:

Manufacturing, Supply, Installation & Commissioning of Mechanical Units for “**Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF) Units**” at **06 (Six) Garbage Transfer Station (GTS) in Karachi:**

1. Mewa Shah Graveyard, District West
2. Korangi Causeway / Malir River
3. Sharafi Goth near Graveyard, Altaf Hussain Road, Landhi
4. Sohrab Goth near Lyari Expressway
5. Gulshan-e-Iqbal, District East
6. Safoora Goth near Racecourse on University Road

Note: SSWMB reserves the right to change the location of GTS.

Contractors, who so desire to participate, may contact the following address:

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

GENERAL

THIS IS TWO STAGE BIDDING PROCEDURE

1. The contractor shall furnish all details including their experience in the *Application Format* only and if the space provided is not sufficient, particulars shall be furnished in Annexure and such details shall be mentioned in the respective columns of the Application Format. The authorized person of the companies/Firms shall sign in all the pages of the application with seal of the company/ firm.
2. Contractor should submit Application along with company profile/ Brochure as mentioned in Advertisement.
3. No costs incurred by the applicant in applying, in providing necessary clarifications or attending discussions or site visits will be reimbursed.
4. The contractor shall provide documentary proof with respect to the evaluation criteria along with the application form.
5. Incomplete application without proper proofs for establishing their credentials will be liable for rejection and no correspondence will be entertained in this regard.
6. The evaluation shall be based mainly on the eligibility criteria, other factors like timely completion, resources of the applicant, pre-qualification with other institutions/ works etc, manpower & logistical support of the applicant, their financial capabilities, quality consciousness, works of similar nature completed or in hand etc. If considered necessary, the contractor shall make arrangements for inspection by the client or the consultant of any of the works undertaken by them.
7. Applications received after the due date and time shall be rejected.
8. Sindh Solid Waste Management Board expects that Construction companies/ Firms should furnish all the required documents to ensure a transparent and genuine evaluation, so it is necessary to fill in the RFP documents meticulously and sign & stamp each and every page.
9. Fill in the RFP Documents in writing in ink or type.
10. RFP documents can be obtained from the office of SSWMB any working day.
11. Last date for submission of documents is **27th November 2015 up to 02:30 PM.**
12. These shall be publically opened on **27th November 2015 at 03:30 PM.**
13. The Technical Proposals / Bids shall be evaluated in accordance with the specified evaluation criteria and may be discussed with all the bidders together regarding any technical features that may require technical as well as commercial clarifications and adjustments.
14. After such discussions, all the bidders shall be permitted to revise their respective technical proposals to meet the requirements of the procuring agency.
15. Procuring agency may revise, delete, modify or add any aspect of the technical requirements or evaluation criteria, or it may add new requirements or criteria not inconsistent with these rules.
16. The bidders not willing to conform their respective bids to the procuring agency's technical requirements may be allowed to withdraw from the bidding without imposition of any penalty.

For any query, please contact:

***Executive Director (OPS-I), Karachi,
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

ELIGIBILITY CRITERIA

Manufacturing, Supply, Installation & Commissioning of Mechanical Units for “Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF) Units” at 06 (Six) Garbage Transfer Station (GTS) Karachi

1. The Firm/contractor may be an individual or Partnership Firm.
2. The Firm/Contractor must be PEC registered in category C-III or above having code ME06, with up to date renewal and corresponding certificate.
3. The contractor should have successfully completed at least five similar (industrial type) works during the last five years ending December 2014 / June 2015.
4. The contractor should have an average annual turnover of Rs. 300 million per year (in the last three years ending December 2014 / June 2015), which will confirm the capacity to successfully complete the work.
5. The contractor should have enough capacity in terms of technical personnel, equipment, plants and machinery, to satisfactorily complete the job in stipulated time.
6. The contractor shall furnish the list of key employees, employed by him with full details of their previous employment.
7. The contractor shall submit copies of the Income Tax, Sales / Service Tax registration forms along with copy of Paid Tax (i.e. SRB, Income Tax).
8. The contractor must have a staff of two experienced graduate engineers, mechanical and electrical engineers with sufficient number of DAEs in respective field. The document must accompany their CVs & copies of PEC registration and undertaking that they are working with the tendering contractor all the engineers will be interviewed before issuance of pre-qualification letter.
9. The fabrication of mechanical system requires in depth knowledge of material design especially for variable speed for conveyor belts. Hydraulic presses and shredders.
10. The contractor may have the access to the designers in their own office or elsewhere who will prepare working drawings and construction drawings.
11. The committee reserves the right to verify the particulars furnished by the applicant independently.
12. The committee reserves the right to accept/reject any application subject to the relevant provision of SPP Rule 2010 (as amended up to date).

**Manufacturing, Supply, Installation & Commissioning of Mechanical Units for
“Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF) Units”
at 06 (Six) Garbage Transfer Station (GTS), Karachi**

TWO STAGE BIDDING PROCEDURE UNDER RULE 46 (3) OF SPPR 2010 (Amended 2013)

- The concept drawing of GTS is enclosed with the tender.
- The garbage transfer stations are proposed with material recovery facility.
- The small trucks will be dumping the garbage in the bin.
- The bin will have a hand operated chute which will discharge the garbage in the thrasher which is proposed to be made by welding 25mm dia mild steel rods at every 40mm centre on two rings made with 50mm x 50mm x 12mm thick at the two ends. These rings will be 2000mm in dia. 125mm wide 12m thick plate sharpened at the outside edge shall have holes to receive the 25mm dia rods and will move in a helical formation with a pitch of 150mm. The objective is to obtain a drum of 2000mm dia about 3000mm long facilitating removal of dirt up to 15mm and the helical plate with sharpened edges will break the clogged garbage into small pieces and tearing the plastic bags containing garbage. The drum will be rotating with the help of gears and electric motor and with proper dosing arrangements and frame to support.
- The garbage is supposed to move from lower level to higher level at an incline of 45⁰ and discharge at top level where it will discharge a 1500mm wide conveyor belt running along the length of building.
- At 90⁰ degree to this conveyor belt, seven more conveyor belts 1200mm wide will be running. Four persons will be standing at the four corners of the junction of longitudinal and cross- conveyor belts. These four persons will be picking up the required re-usable material from the longitudinal conveyor belt and placing them on the cross-conveyor belts.
- It is proposed to use 5-longitudinal conveyor belts and seven cross-conveyor belts.
- The cross conveyor belts will carry one type of re-usable material in a square or rectangular bin 1200mm x 1200mm.
- The bin will have bailing hoops and other arrangements also.
- On the top of the bin a compactor of 40 ton capacity will be placed with a load platen of 1100mm x 1100mm which will be lowered on the bin when it is two third filled and will be allowed to move downwards compacting the material in the bin.
- This process will continue till the material is compacted up to 1500mm height and further compaction is not possible. At this stage the bundle will be tied with the bailing hoops and will be removed from the press and stored till it is sold out.
- The longitudinal conveyor belt after successive removal at seven cross belts will be left with only vegetative and organic waste which will be dumped at end and sent to landfill sites or dumped in a bigger truck to be taken to landfill sites for composting.
- This tender for this work is being invited under TWO-STAGE BIDDING PROCEDURE UNDER RULE 46 (3) OF SPPR 2010 (Amended 2013).
- In the first stage the Tenderers are requested to make a schematic technical proposal which will be discussed between the client, consultant and all the bidders to arrive at a single or more schematic drawings fulfilling the required objective which after agreement of all the parties will be floated to all the bidders to finally quote for the design or they may come with their design very close to the design submitted for next stage.
- The objective of 1st stage technical schematic drawing is to finalize the second stage working design so that an even field is provided to all the Tenderers who may quote their rate on the final revised design (Revised Technical Proposal), in the second stage.
- Interested bidders are advised to refer to details given in General Conditions section and TWO STAGE BIDDING PROCEDURE UNDER RULE 46 (3) OF SPPR 2010 (Amended 2013).

SELECTION PROCESS

The Procurement Committee shall evaluate the technical proposal based on the eligibility criteria set forth.

All Applications, which meet the above requirements, shall be evaluated under the following criteria by scoring method on the basis of details furnished by them.

S. No.	Details	Marks 100	Marks Obtain
A.	Profile of firm/ Contractor		
i.	Name, address, telephone, fax number and email address of firm/ individual		
ii.	Ownership and Organizational structure of the firm		
iii.	Year of Establishment (One mark for Every two years)	05	
B	Experience and Past Performance		
i.	List of similar assignment with cost, undertaken in the last five years (3 for each assignments)	10	
ii.	List of assignments executed in similar geographical condition (3 for each assignments)	10	
C	Key Personnel Qualification & Experience		
i.	Academic Qualification (Marks 05 for basic qualification, additional 3 for Masters and 2 for PhD)	15	
ii.	Experience – number of similar assignment with length of experience be mentioned	10	
D	Equipment Proposed for the Project		
i.	Details of relevant equipment, machineries and transport owned by the firm/ contractor	03	
ii	Details of relevant equipment, machineries and transport to be hired / leased by the firm/ contractor	02	
E	Financial		
i.	Documentary evidence of financial position, bank statement or audited accounts of the last five years	05	
ii.	Annual turnover of the last five years	05	
iii.	Income tax of the last five years	05	
F	Other Information		
i.	Technical Proposal with schematic drawings	30	
Total Marks Obtained			

Applicants scoring 70% and above will only be considered for technical proposal.

COMPANY'S LETTER HEAD

APPLICATION FORM

To
Executive Director (Ops.-I) Karachi
Sindh Solid Waste Management Board
D-47, Block-2 Clifton, Karachi

Dated ____ the ____ 2015

Subject: RFP for "Manufacturing, Supply, Installation & Commissioning of Mechanical Units" for "Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF) Units" at 06 (Six) Garbage Transfer Station (GTS), Karachi.

Dear Sir,

Kindly find herewith the documents as required in the advertisement published in daily _____, Dated: _____, 2015 for subject work.

1. We accept that if we qualify, as per eligibility criteria, only then our technical proposal shall be evaluated further.
2. We understand that the client has a right to reject any or all tenders as per SPPRA rules.

With regards

Yours faithfully
For _____

Authorized Signature

Seal:

NAME OF WORK:

RFP for “Manufacturing, Supply, Installation & Commissioning of Mechanical Units” for “Material Recovery Facilities (MRF) and Refuse Derived Fuel (RDF) Units” at 06 (Six) Garbage Transfer Station (GTS), Karachi.

1. Mewa Shah Graveyard, District West
2. Korangi Causeway / Malir River
3. Sharafi Goth near Graveyard, Altaf Hussain Road, Landhi
4. Sohrab Goth near Lyari Expressway
5. Gulshan-e-Iqbal, District East
6. Safoora Goth near Racecourse on University Road

1. Name of the Applicant: -----

Address:-----

Office Telephone No.: -----

Residence Telephone No.: -----

Mobile No.: -----

Fax No.: -----

E-Mail: -----

2. Details of the applicant

a. Status of the Firm:

(Whether Company/Partnership/proprietary):

b. Name of the Proprietor/ Partners/ Directors with professional: Qualifications, if any):

I)

II)

c. Year of establishment:

3. Whether registered with PEC:

Yes / No

I) If Yes, No. & Date:

(Attach Certificate)

II) Are you registered with PEC in category C-III, ME06

Yes / No

III) PEC Registration validation up to ____ - ____ - ____

4. Registration with Tax Authorities:

(Furnish copies of resent Income-tax returns)

a) Income Tax: -----

b) GST: -----

c) SBR: -----

5. Standing of Firm:

Registration of Firm since last: _____ Years

6. Principal Technical Personnel, their Qualification & Experience

S. No.	Name	Qualification	Experience	Particulars of Works done	Employed in your Firm since	Any other

7. List of other technical staff, their Qualification & Experience:

S. No.	Name	Qualification	Experience	Particulars of Work done	Employed in your Firm since	Any other

8. List of machinery and equipment

The applicant shall furnish list of various plant, machinery and equipment, tools, tackles, facilities etc, including testing lab equipment in possession of contractors.

S.No	Type of equipment	Make	Capacity	Quantity

**Attach extra sheet if needed.*

9. Details of works executed during last 5 (five years)

(Please mention only such works, which qualify for the required work, for which you have applied)

S. No.	Name & location of Work	Work executed for (Name of the organization with address, concerned office & telephone no.)	Estimated value of work	Nature of work in brief	Actual Value of the works	Stipulated time for completion	Actual time for completion	If work left Incomplete or terminated (furnish reasons)

Note: Copies of satisfactory completion certificate obtained from the client shall be attached.

10. Details of similar works in hand:

Note: Copies of work order obtained from the client shall be attached.

S. No.	Name & location of Work	Work executed for (Name of the Organization with address concerned office & telephone no.)	Estimated value of work	Nature of work in brief	Work start Date	Stipulated time for completion	Present status of work / Progress

11. Turnover of the Company / firm (Please attach copy of audited balance Sheet, profit and loss account for five years).

S.N.	Year	Turnover
01.	2014-15	
02.	2013-14	
03.	2012-13	
04.	2011-12	
05.	2010-11	
06.	2009-10	
	Average	

12. Registration/Enlistment with Government, Public Sector/ Private organizations for similar work.

S.N.	Name of the Organization	Nature of Works	Value of Works	Date of Registration / Enlistment

What are your fields of core competence? Mention the fields on preference basis

i) _____

ii) _____

iii) _____

- 13. Furnish the names of three clients/persons (minimum) to whom the major works carried out in the last five years by the applicant with address and telephone number who will be in a position to certify about the quality as well as past performance of your organization.**

S.No.	Name of the Official	Organization & Address	Contact Numbers

DECLARATION

1. It is confirmed that all the information furnished by me/us in this application is correct to the best of knowledge & belief.
2. I/we have no objection if enquiries are made about the works listed by me/us in the accompanying sheets /annexure.
3. I/we agree that the decision of committee in selection will be final and binding to me/us.
4. I/we have read the instructions appended to the proforma and I/we understand that if any false information is detected at a later date the committee is at liberty to act in a manner it deems fit.

Place: SIGNATURE OF THE APPLICANT, NAME & DESIGNATION.

Date:

SEAL OF ORGANISATION

TOTAL NO. OF PAGES ENCLOSED:
(PLEASE NUMBER ALL THE PAGES):

Check list

(To be filled by Applicants)

1.	Have you signed in all the sheets?	Yes/No
2.	Whether copies of tax registration are enclosed?	Yes/No
3.	Whether enclosed proof for year of establishment?	Yes/No
4.	Whether proof for average annual financial turnover enclosed?	Yes/No
5.	Whether documentary proof for having undertaken the qualifying works is enclosed?	Yes/No
6.	Whether enclosed proof for valid PEC registration certificate in C-III/ME06?	Yes/No
7.	Whether documentary proof for having completed the works of similar nature is enclosed?	Yes/No
8.	If yes, Number of certificates enclosed	