



REQUEST FOR PROPOSAL (RFP)

Date: 28th July, 2020

SLMP-II RP/NGO selection for District Tharparkar, Sanghar and Umerkot Sindh

NAME & ADDRESS OF FIRM	Closing DATE: August 15, 2020
	REFERENCE: <u>“PCU-SINDH-07-2020-RP</u>”

Dear Sir / Madam:

We kindly request you to submit your Proposal for “SLMP-II RP/NGO selection for District Tharparkar, Sanghar and Umerkot Sindh”

Please be guided by the form attached hereto as Annex 2, in preparing your Proposal.

Proposals may be submitted on or before **Saturday, August 15, 2020** and via email, courier mail to the address below:

**Provincial Coordination Unit (PCU) Sindh
Sustainable Land Management Programme-SLMP-II
Planning & Development Board,
Government of Sindh,
Barrack No.92, Sindh Secretariat # 04, Court Road, Karachi.
Office Ph.021-99202600
Email: sociologist.zulfiqar@gmail.com**

Your Proposal must be expressed in the **ENGLISH**, and valid for a minimum period of **90 Days**

Important note: Please put the subject and reference Number in the subject line. Proposals received without reference number on the envelope will not be entertained and will result in the rejection of your submission.

In the course of preparing your Proposal, it shall remain your responsibility to ensure that it reaches the address above on or before the deadline. Proposals that are received by SLMP PCU Sindh after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your Proposal by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Services proposed shall be reviewed and evaluated based on completeness and compliance of the Proposal and responsiveness with the requirements of the RFP and all other annexes providing details of SLMP requirements.

The Proposal that complies with all of the requirements meets all the evaluation criteria and offers the best value for money shall be selected and awarded the contract. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price shall be re-computed by SLMP, and the unit price shall prevail and the total price shall be corrected. If the Service Provider does not accept the final price based on SLMP's re-computation and correction of errors, its Proposal will be rejected.

No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by SLMP after it has received the Proposal. At the time of Award of Contract or Purchase Order, SLMP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Contract or Purchase Order that will be issued as a result of this RFP shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a Proposal implies that the Service Provider accepts without question the General Terms and Conditions of SLMP, herein attached as Annex 3.

Please be advised that SLMP is not bound to accept any Proposal, nor award a contract or Purchase Order, nor be responsible for any costs associated with a Service Providers preparation and submission of a Proposal, regardless of the outcome or the manner of conducting the selection process.

SLMP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a Purchase Order or Contract in a competitive procurement process. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

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[=====](#)

[=====](#)

SLMP encourages every prospective Service Provider to prevent and avoid conflicts of interest, by disclosing to SLMP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, cost estimates, and other information used in this RFP.

SLMP implements a zero tolerance on fraud and other proscribed practices, and is committed to preventing, identifying and addressing all such acts and practices against SLMP, as well as third parties involved in SLMP activities. SLMP expects its Service Providers to adhere to the UN Supplier Code of Conduct found in this link:

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Thank you and we look forward to receiving your Proposal.

Sincerely yours,
Provincial Programme Coordinator-Sindh
Sustainable Land Management Program-SLMP

Description of Requirements

Context of the Requirement	PCU requires to hire Responsive Party-RP/NGO for Sustainable Land Management (SLM) refers to the use of land resources such as soils, water, animals, and plants for the production of goods to meet changing human needs while assuring the long-term productive potential of the these resources, and the maintenance of their environmental functions. The main objective of SLM Programme in Sindh is to promote sustainable management of land and other natural resources in desert regions of Sindh province in order to restore degraded ecosystems and their essential services; reduce poverty and increase resilience to climate change. Tharparkar, Umerkot and Sanghar will be the target districts.		
Implementing Partner of UNDP	Ministry of Climate Change, Government of Pakistan Planning and Development Department Government of Sindh		
Brief Description of the Required Services ¹	SLMP-II Responsive Party-RP/NGO selection for District Tharparkar, Sanghar and Umerkot Sindh		
List and Description of Expected Outputs to be Delivered	The firm will deliver, but will not be limited to, the following tasks:		
	Work Location :		Tharparkar, Sanghar and Umerkot
	S.No	Description	Qty
	1	Rainwater Harvesting Ponds with wire fancying 200’X100’X10’	2
	2	Establishment of Community/Farmer/Home Based/Fruit & Forest Nurseries	33
	3	Development of Oasis Forest Av.5 Acre - Medicinal Plants, Low Delta Plants, Live Hedges Forest & Fruit Plants	2
	4	Sprinkler Irrigation Systems Per Unit 2 Acre	2
	5	Solar Water Pumping System installation with water Tank (Including bore and lining)	4
	6	Community Awareness raising workshop / farmers field days	12
	7	Conferences and Seminars, outreach and advocacy in collaboration with relevant organizations	2
	8	Better SLM outreach via knowledge products: brochures, leaflets, fact sheets and a booklet	2
	9	SLM Demos in non-project districts	2
	10	Provincial SLM Network Meetings and Coordination with relevant stakeholders	2
11	Formation of Community Organizations/Village Organizations		
Persons to Supervise the	Provincial Project Director-PPD Sindh, Provincial Programme Coordinator-PPC Sindh PCU SLMP-II Karachi ,Sindh		

¹A detailed TOR may be attached if the information listed in this Annex is not sufficient to fully describe the nature of the work and other details of the requirements.

Work/Performance of the Service Provider			
Frequency of Reporting	<i>On Monthly basis</i>		
Progress Reporting Requirements	<input checked="" type="checkbox"/> Quarterly		
Location of work	<input checked="" type="checkbox"/> Exact Address: Tharparkar, Sanghar and Umerkot		
Expected duration of work	5 Months		
Target start date	<Date yet to be Decided>		
Latest completion date	<Date yet to be Decided>		
Travels Expected	N/A		
Special Security Requirements	N/A		
Facilities to be Provided by SLMP (i.e., must be excluded from Price Proposal)	N/A		
Implementation Schedule indicating breakdown and timing of activities/sub-activities	Outputs	Timing	
	20% Mobilization of workers and commencement of the work	1 weeks from contract signing	
	50% Execution/progress report of physical work	6 weeks from contract signing	
	Monitoring Visit	12 th Week of signing of contract.	
	100 % Completion of Physical and electromechanical work along with Schemes Completion certificate.	16 weeks from contract signing	

Currency of Proposal	<input checked="" type="checkbox"/> Local Currency																	
Value Added Tax on Price Proposal ²	<input checked="" type="checkbox"/> must be inclusive of VAT and other applicable indirect taxes																	
Validity Period of Proposals (Counting for the last day of submission of quotes)	<input checked="" type="checkbox"/> 90 days In exceptional circumstances, SLMP may request the Proposer to extend validity of the Proposal beyond what has been initially indicated in this RFP. The Proposer shall then confirm the extension in writing, without any modification whatsoever in the Proposal.																	
Partial Quotes	<input checked="" type="checkbox"/> Not permitted																	
Payment Terms ³	<table border="1"> <thead> <tr> <th>Outputs</th> <th>Percentage</th> <th>Timing</th> <th>Condition for Payment Release</th> </tr> </thead> <tbody> <tr> <td>Mobilization Charges</td> <td>20%</td> <td>Within 1 week from contract signing</td> <td rowspan="3"> Within thirty (30) days from the date of meeting the following conditions: a) SLMP's written acceptance (i.e., not mere receipt) of the quality of the outputs; and b) Receipt of invoice from the Service Provider. </td> </tr> <tr> <td>50% achievement of Physical Work</td> <td>50%</td> <td>Within 6 weeks from contract signing</td> </tr> <tr> <td>Completion of 100% Physical Work</td> <td>30%</td> <td>Within 16 weeks from contract signing</td> </tr> </tbody> </table>	Outputs	Percentage	Timing	Condition for Payment Release	Mobilization Charges	20%	Within 1 week from contract signing	Within thirty (30) days from the date of meeting the following conditions: a) SLMP's written acceptance (i.e., not mere receipt) of the quality of the outputs; and b) Receipt of invoice from the Service Provider.	50% achievement of Physical Work	50%	Within 6 weeks from contract signing	Completion of 100% Physical Work	30%	Within 16 weeks from contract signing			
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Person(s) to review/inspect/ approve outputs/completed services and authorize the disbursement of	Provincial Project Director-PPD Sindh, Provincial Programme Coordinator-PPC Sindh PCU SLMP-II Karachi ,Sindh																	

²VAT exemption status varies from one country to another. Pls. check whatever is applicable to the UNDP CO/BU requiring the service.

³UNDP preference is not to pay any amount in advance upon signing of contract. If the Service Provider strictly requires payment in advance, it will be limited only up to 20% of the total price quoted. For any higher percentage, or any amount advanced exceeding \$30,000, UNDP shall require the Service Provider to submit a bank guarantee or bank cheque payable to UNDP, in the same amount as the payment advanced by UNDP to the Service Provider.

payment	
Type of Contract to be Signed	<input checked="" type="checkbox"/> Purchase Order
Criteria for Contract Award	<input checked="" type="checkbox"/> Highest Combined Score (based on the 70% technical offer and 30% price weight distribution) <input checked="" type="checkbox"/> Full acceptance of the SLMP Contract General Terms and Conditions (GTC). This is a mandatory criterion and cannot be deleted regardless of the nature of services required. Non-acceptance of the GTC may be grounds for the rejection of the Proposal.
Criteria for the Assessment of Proposal	<p><u>Technical Proposal (70%)</u></p> <input checked="" type="checkbox"/> Expertise of the Firm 30% <input checked="" type="checkbox"/> Methodology, Its Appropriateness to the Condition and Timeliness of the Implementation Plan 20% <input checked="" type="checkbox"/> Management Structure and Qualification of Key Personnel 20%
	<p><u>Financial Proposal (30%)</u></p> <p>To be computed as a ratio of the Proposal's offer to the lowest price among the proposals received by SLMP.</p> <p>Note:</p> <p>As per the conditions given in Annex-I.</p>
SLMP will award the contract to:	<input checked="" type="checkbox"/> One and only one Service Provider
Annexes to this RFP ⁴	<input checked="" type="checkbox"/> Form for Submission of Proposal (Annex 2) <input checked="" type="checkbox"/> General Terms and Conditions / Special Conditions (Annex 3) ⁵ <input checked="" type="checkbox"/> Detailed TOR as an Annex 4
Contact Person for Inquiries (Written inquiries only) ⁶	Any delay in SLMP's response shall be not used as a reason for extending the deadline for submission, unless SLMP determines that such an extension is necessary and communicates a new deadline to the Proposers.

⁴ Where the information is available in the web, a URL for the information may simply be provided.

⁵Service Providers are alerted that non-acceptance of the terms of the General Terms and Conditions (GTC) may be grounds for disqualification from this procurement process.

<p>Other Information <i>[pls. specify]</i></p>	<p>Minimum Information of the Firm</p> <ol style="list-style-type: none"> 1. Detail of similar projects/studies completed during last three years. Relevant details such as cost of the project and completion period along with certificate/evidence must be provided. 2. Profile of the NGO/ firm along with details of employees, CVs of key professionals and available facilities/partnerships for joint ventures. 3. Proof of financial stability such as financial reports of the last three years along with bank statement/certificates indicating financial standing 4. NGOs/Firm's valid registration with income tax/sale tax department 5. An affidavit on stamp paper that the company has never been involved in litigation with any of its clients. 6. Last 3 Years Annual Audit Reports with Management Letter of Auditor
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Form – 1: Expertise of Consultant submitting proposal		
1.1	Experience of NGO/Firm (At least 10-15 years' Similar experience (each year carries 6 marks).	90
1.2	Financial Stability:	
	Relevant Experience: Minimum three relevant Contracts most preferably with Government organizations, National/Multinational Organizations (Provide proof of service with name of the organization and amount of contract (each proof carries 10 marks)	30
1.3	Provide three satisfactory performance certificates along with duration of each assignment (each certificate carries 10 marks)	30
1.4	General Capability: Strength of the project management procedures in place (loose consortium carries less marks) (70% - 90%)	40
	Sub Total Technical	190
2	Proposed Methodology, Approach and Implementation Plan	
2.1	To what degree does the bidder understand the task?	80
2.2	Have the important aspects (All phases) of the task been addressed in sufficient detail? (70% - 90%)	60
2.3	Is the proposed methodology by the vendor correspond to objective adequate/good/excellent (70% - 90%)	60
2.4	Relevance of frequency with the objectives of SLMP? (70% - 90%)	60
2.5	Is the presentation clear and is the sequence of activities and the planning logical, realistic and promise efficient implementation to the project? (70% - 90%)	50
	Sub Total part – 2	310
3	Expertise of the Team	

	<p>Interested organizations should determine the number and the nature of experts they will require to achieve objectives of the contract. However, SLMP requires a minimum of two Key Experts/ engineers having experience in Environment and Agriculture/Land Management Program.</p> <ul style="list-style-type: none"> • The Experts should demonstrate relevant experience and expertise to conduct the scope of work mentioned above. • Proven track record of work in the public-private partnership area in the relevant positions. • Direct experience of working with government and non-government organization or with construction firms or personally executed such projects with Donor and Government departments 	100
	Sub Total	100
	Total	600

FORM FOR SUBMITTING SERVICE PROVIDER'S PROPOSAL⁷

(This Form must be submitted only using the Service Provider's Official Letterhead/Stationery⁸)

[insert: Location].
[insert: Date]

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to render the following services to SLMP in conformity with the requirements defined in the RFP dated [specify date], and all of its attachments, as well as the provisions of the SLMP General Contract Terms and Conditions:

A. Qualifications of the Service Provider

The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of SLMP by indicating the following:

- a) Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations;*
- b) Business Licenses – Registration Papers, Tax Payment Certification, etc.*
- c) Latest Audited Financial Statement – income statement and balance sheet to indicate its financial stability, liquidity, credit standing, and market reputation, etc. ;*
- d) Track Record – list of clients for similar services as those required by SLMP, indicating description of contract scope, contract duration, contract value, contact references;*
- e) Certificates and Accreditation – including Quality Certificates, Patent Registrations, Environmental Sustainability Certificates, etc.*
- f) Written Self-Declaration that the company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.*

B. Proposed Methodology for the Completion of Services

The Service Provider must describe how it will address/deliver the demands of the RFP; providing a detailed description of the essential performance characteristics, reporting conditions and quality assurance mechanisms that will be put in place, while demonstrating that the proposed methodology will be appropriate to the local conditions and context of the work.

⁷This serves as a guide to the Service Provider in preparing the Proposal.

⁸ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

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C. Qualifications of Key Personnel

If required by the RFP, the Service Provider must provide:

- a) Names and qualifications of the key personnel that will perform the services indicating who is Team Leader, who are supporting, etc.;*
- b) CVs demonstrating qualifications must be submitted if required by the RFP; and*
- c) Written confirmation from each personnel that they are available for the entire duration of the contract.*

*[Name and Signature of the Service Provider's
Authorized Person]
[Designation]
[Date]*

FINANCIAL PROPOSAL (BOQ)

D. Cost Breakdown per Deliverable*

	Deliverables <i>[list them as referred to in the RFP]</i>	Percentage of Total Price (Weight for payment)	Price (Lump Sum, All Inclusive)
1	Mobilization Charges	20%	
2	50% achievement of Physical Work	50%	
3	Completion of 100% Physical Work	30%	
	Total	100%	

**This shall be the basis of the payment tranches*

E. Cost Breakdown by Cost Component [*This is only an Example*]:

S.No	Description	Qty	Rate	Total
1	Rainwater Harvesting Ponds with wire fancying 200'X100'X10'	2		
2	Establishment of Community/Farmer/Home Based/Fruit & Forest Nurseries	33		
3	Development of Oasis Forest Av.5 Acre - Medicinal Plants, Low Delta Plants, Live Hedges Forest & Fruit Plants	2		
4	Sprinkler Irrigation System 2 Acre	2		
5	Solar Water Pumping System installation with water Tank (Including bore and lining)	4		
6	Community Awareness raising workshop / farmers field days conducted	12		
7	Conferences and Seminars, outreach and advocacy in collaboration with relevant organizations	2		
8	Better SLM outreach via knowledge products: brochures, leaflets, fact sheets and a booklet	2		
9	SLM Demos in non-project districts	2		
10	Provincial SLM Network Meetings and Coordination with relevant stakeholders	2		
11	Formation of Community Organizations/Village Organizations			

*[Name and Signature of the Service Provider's
Authorized Person]
[Designation]
[Date]*

General Terms and Conditions for Services

1.0 LEGAL STATUS:

The Contractor shall be considered as having the legal status of an independent contractor vis-à-vis the Ministry of Climate Change (SLMP)/Planning and Development Department Government of Sindh. The Contractor's personnel and sub-contractors shall not be considered in any respect as being the employees or agents of SLMP or the United Nations.

2.0 SOURCE OF INSTRUCTIONS:

The Contractor shall neither seek nor accept instructions from any authority external to SLMP in connection with the performance of its services under this Contract. The Contractor shall refrain from any action that may adversely affect SLMP or the United Nations and shall fulfill its commitments with the fullest regard to the interests of SLMP.

3.0 CONTRACTOR'S RESPONSIBILITY FOR EMPLOYEES:

The Contractor shall be responsible for the professional and technical competence of its employees and will select, for work under this Contract, reliable individuals who will perform effectively in the implementation of this Contract, respect the local customs, and conform to a high standard of moral and ethical conduct.

4.0 ASSIGNMENT:

The Contractor shall not assign, transfer, pledge or make other disposition of this Contract or any part thereof, or any of the Contractor's rights, claims or obligations under this Contract except with the prior written consent of SLMP.

5.0 SUB-CONTRACTING:

In the event the Contractor requires the services of sub-contractors, the Contractor shall obtain the prior written approval and clearance of SLMP for all sub-contractors. The approval of SLMP of a sub-contractor shall not relieve the Contractor of any of its obligations under this Contract. The terms of any sub-contract shall be subject to and conform to the provisions of this Contract.

6.0 OFFICIALS NOT TO BENEFIT:

The Contractor warrants that no official of SLMP or the United Nations has received or will be offered by the Contractor any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of this Contract.

7.0 INDEMNIFICATION:

The Contractor shall indemnify, hold and save harmless, and defend, at its own expense, SLMP, its officials, agents, servants and employees from and against all suits, claims, demands, and liability of any nature or kind, including their costs and expenses, arising out of acts or omissions of the Contractor, or the Contractor's employees, officers, agents or sub-contractors, in the performance of this Contract. This provision shall extend, inter alia, to claims and liability in the nature of workmen's compensation, products liability and liability arising out of the use of patented inventions or devices, copyrighted material or other intellectual property by the Contractor, its employees, officers, agents, servants or sub-contractors. The obligations under this Article do not lapse upon termination of this Contract.

8.0 INSURANCE AND LIABILITIES TO THIRD PARTIES:

- 8.1** The Contractor shall provide and thereafter maintain insurance against all risks in respect of its property and any equipment used for the execution of this Contract.
- 8.2** The Contractor shall provide and thereafter maintain all appropriate workmen's compensation insurance, or the equivalent, with respect to its employees to cover claims for personal injury or death in connection with this Contract.
- 8.3** The Contractor shall also provide and thereafter maintain liability insurance in an adequate amount to cover third party claims for death or bodily injury, or loss of or damage to property, arising from or in connection with the provision of services under this Contract or the operation of any vehicles, boats, airplanes or other equipment owned or leased by the Contractor or its agents, servants, employees or sub-contractors performing work or services in connection with this Contract.
- 8.4** Except for the workmen's compensation insurance, the insurance policies under this Article shall:
 - 8.4.1** Name SLMP as additional insured;
 - 8.4.2** Include a waiver of subrogation of the Contractor's rights to the insurance carrier against the SLMP;
 - 8.4.3** Provide that the SLMP shall receive thirty (30) days written notice from the insurers prior to any cancellation or change of coverage.
- 8.5** The Contractor shall, upon request, provide the SLMP with satisfactory evidence of the insurance required under this Article.

9.0 ENCUMBRANCES/LIENS:

The Contractor shall not cause or permit any lien, attachment or other encumbrance by any person to be placed on file or to remain on file in any public office or on file with the SLMP against any monies due or to become due for any work done or materials furnished under this Contract, or by reason of any other claim or demand against the Contractor.

10.0 TITLE TO EQUIPMENT:

Title to any equipment and supplies that may be furnished by SLMP shall rest with SLMP and any such equipment shall be returned to SLMP at the conclusion of this Contract or when no longer needed by the Contractor. Such equipment, when returned to SLMP, shall be in the same condition as when delivered to the Contractor, subject to normal wear and tear. The Contractor shall be liable to compensate SLMP for equipment determined to be damaged or degraded beyond normal wear and tear.

11.0 COPYRIGHT, PATENTS AND OTHER PROPRIETARY RIGHTS:

- 11.1** Except as is otherwise expressly provided in writing in the Contract, the SLMP shall be entitled to all intellectual property and other proprietary rights including, but not limited to, patents, copyrights, and trademarks, with regard to products, processes, inventions, ideas, know-how, or documents and other materials which the Contractor has developed for the SLMP under the Contract and which bear a direct relation to or are produced or prepared or collected in consequence of, or during the course of, the performance of the Contract, and the Contractor acknowledges and agrees that such products, documents and other materials constitute works made for hire for the SLMP.
- 11.2** To the extent that any such intellectual property or other proprietary rights consist of any intellectual property or other proprietary rights of the Contractor: (i) that pre-existed the performance by the Contractor of its obligations under the Contract, or (ii) that the Contractor may develop or acquire, or may have developed or acquired, independently of the performance of its obligations under the Contract, the SLMP does not and shall not claim any ownership interest thereto, and the Contractor grants to the SLMP a perpetual license to use such intellectual property or other proprietary right solely for the purposes of and in accordance with the requirements of the Contract.
- 11.3** At the request of the SLMP; the Contractor shall take all necessary steps, execute all necessary documents and generally assist in securing such proprietary rights and transferring or licensing them to the SLMP in compliance with the requirements of the applicable law and of the Contract.
- 11.4** Subject to the foregoing provisions, all maps, drawings, photographs, mosaics, plans, reports, estimates, recommendations, documents, and all other data compiled by or received by the Contractor under the Contract shall be the property of the SLMP, shall be made available for use or inspection by the SLMP at reasonable times and in reasonable places, shall be treated as confidential, and shall be delivered only to SLMP authorized officials on completion of work under the Contract.

12.0 USE OF NAME, EMBLEM OR OFFICIAL SEAL OF SLMP OR THE UNITED NATIONS:

The Contractor shall not advertise or otherwise make public the fact that it is a Contractor with SLMP, nor shall the Contractor, in any manner whatsoever use the name, emblem or

official seal of SLMP or THE United Nations, or any abbreviation of the name of SLMP or United Nations in connection with its business or otherwise.

13.0 CONFIDENTIAL NATURE OF DOCUMENTS AND INFORMATION:

Information and data that is considered proprietary by either Party and that is delivered or disclosed by one Party ("Discloser") to the other Party ("Recipient") during the course of performance of the Contract, and that is designated as confidential ("Information"), shall be held in confidence by that Party and shall be handled as follows:

13.1 The recipient ("Recipient") of such information shall:

13.1.1 use the same care and discretion to avoid disclosure, publication or dissemination of the Discloser's Information as it uses with its own similar information that it does not wish to disclose, publish or disseminate; and,

13.1.2 use the Discloser's Information solely for the purpose for which it was disclosed.

13.2 Provided that the Recipient has a written agreement with the following persons or entities requiring them to treat the Information confidential in accordance with the Contract and this Article 13, the Recipient may disclose Information to:

13.2.1 any other party with the Discloser's prior written consent; and,

13.2.2 the Recipient's employees, officials, representatives and agents who have a need to know such Information for purposes of performing obligations under the Contract, and employees officials, representatives and agents of any legal entity that it controls controls it, or with which it is under common control, who have a need to know such Information for purposes of performing obligations under the Contract, provided that, for these purposes a controlled legal entity means:

13.2.2.1 a corporate entity in which the Party owns or otherwise controls, whether directly or indirectly, over fifty percent (50%) of voting shares thereof; or,

13.2.2.2 any entity over which the Party exercises effective managerial control; or,

13.2.2.3 for the SLMP, an affiliated Fund such as UNCDF, UNIFEM and UNV.

13.3 The Contractor may disclose Information to the extent required by law, provided that, subject to and without any waiver of the privileges and immunities of the United Nations, the Contractor will give the SLMP sufficient prior notice of a request for the disclosure of Information in order to allow the SLMP to have a reasonable opportunity to take protective measures or such other action as may be appropriate before any such disclosure is made.

13.4 The SLMP may disclose Information to the extent as required pursuant to the Charter of the UN, resolutions or regulations of the General Assembly, or rules promulgated by the Secretary-General.

- 13.5** The Recipient shall not be precluded from disclosing Information that is obtained by the Recipient from a third party without restriction, is disclosed by the Discloser to a third party without any obligation of confidentiality, is previously known by the Recipient, or at any time is developed by the Recipient completely independently of any disclosures hereunder.
- 13.6** These obligations and restrictions of confidentiality shall be effective during the term of the Contract, including any extension thereof, and, unless otherwise provided in the Contract, shall remain effective following any termination of the Contract.

14.0 FORCE MAJEURE; OTHER CHANGES IN CONDITIONS

- 14.1** In the event of and as soon as possible after the occurrence of any cause constituting force majeure, the Contractor shall give notice and full particulars in writing to the SLMP, of such occurrence or change if the Contractor is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under this Contract. The Contractor shall also notify the SLMP of any other changes in conditions or the occurrence of any event that interferes or threatens to interfere with its performance of this Contract. On receipt of the notice required under this Article, the SLMP shall take such action as, in its sole discretion; it considers to be appropriate or necessary in the circumstances, including the granting to the Contractor of a reasonable extension of time in which to perform its obligations under this Contract.
- 14.2** If the Contractor is rendered permanently unable, wholly, or in part, by reason of force majeure to perform its obligations and meet its responsibilities under this Contract, the SLMP shall have the right to suspend or terminate this Contract on the same terms and conditions as are provided for in Article 15, "Termination", except that the period of notice shall be seven (7) days instead of thirty (30) days.
- 14.3** Force majeure as used in this Article means acts of God, war (whether declared or not), invasion, revolution, insurrection, or other acts of a similar nature or force.
- 14.4** The Contractor acknowledges and agrees that, with respect to any obligations under the Contract that the Contractor must perform in or for any areas in which the SLMP is engaged in, preparing to engage in, or disengaging from any peacekeeping, humanitarian or similar operations, any delays or failure to perform such obligations arising from or relating to harsh conditions within such areas or to any incidents of civil unrest occurring in such areas shall not, in and of itself, constitute force majeure under the Contract..

15.0 TERMINATION

- 15.1** Either party may terminate this Contract for cause, in whole or in part, upon thirty (30) days' notice, in writing, to the other party. The initiation of arbitral proceedings in accordance with Article 16.2 ("Arbitration"), below, shall not be deemed a termination of this Contract.
- 15.2** SLMP reserves the right to terminate without cause this Contract at any time upon 15 days prior written notice to the Contractor, in which case SLMP shall reimburse

the Contractor for all reasonable costs incurred by the Contractor prior to receipt of the notice of termination.

15.3 In the event of any termination by SLMP under this Article, no payment shall be due from SLMP to the Contractor except for work and services satisfactorily performed in conformity with the express terms of this Contract.

15.4 Should the Contractor be adjudged bankrupt, or be liquidated or become insolvent, or should the Contractor make an assignment for the benefit of its creditors, or should a Receiver be appointed on account of the insolvency of the Contractor, the SLMP may, without prejudice to any other right or remedy it may have under the terms of these conditions, terminate this Contract forthwith. The Contractor shall immediately inform the SLMP of the occurrence of any of the above events.

16.0 SETTLEMENT OF DISPUTES

16.1 Amicable Settlement: The Parties shall use their best efforts to settle amicably any dispute, controversy or claim arising out of this Contract or the breach, termination or invalidity thereof. Where the parties wish to seek such an amicable settlement through conciliation, the conciliation shall take place in accordance with the UNCITRAL Conciliation Rules then obtaining, or according to such other procedure as may be agreed between the parties.

16.2 Arbitration: Any dispute, controversy, or claim between the Parties arising out of the Contract or the breach, termination, or invalidity thereof, unless settled amicably under Article 16.1, above, within sixty (60) days after receipt by one Party of the other Party's written request for such amicable settlement, shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining. The decisions of the arbitral tribunal shall be based on general principles of international commercial law. For all evidentiary questions, the arbitral tribunal shall be guided by the Supplementary Rules Governing the Presentation and Reception of Evidence in International Commercial Arbitration of the International Bar Association, 28 May 1983 edition. The arbitral tribunal shall be empowered to order the return or destruction of goods or any property, whether tangible or intangible, or of any confidential information provided under the Contract, order the termination of the Contract, or order that any other protective measures be taken with respect to the goods, services or any other property, whether tangible or intangible, or of any confidential information provided under the Contract, as appropriate, all in accordance with the authority of the arbitral tribunal pursuant to Article 26 ("Interim Measures of Protection") and Article 32 ("Form and Effect of the Award") of the UNCITRAL Arbitration Rules. The arbitral tribunal shall have no authority to award punitive damages. In addition, unless otherwise expressly provided in the Contract, the arbitral tribunal shall have no authority to award interest in excess of the London Inter-Bank Offered Rate ("LIBOR") then prevailing, and any such interest shall be simple interest only. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such dispute, controversy, or claim.

17.0 PRIVILEGES AND IMMUNITIES:

Nothing in or relating to this Contract shall be deemed a waiver, express or implied, of any of the privileges and immunities of the United Nations, including its subsidiary organs.

18.0 TAX EXEMPTION

18.1 Section 7 of the Convention on the Privileges and Immunities of the United Nations provides, inter-alia that the United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize the United Nations exemption from such taxes, duties or charges, the Contractor shall immediately consult with the SLMP to determine a mutually acceptable procedure.

18.2 Accordingly, the Contractor authorizes SLMP to deduct from the Contractor's invoice any amount representing such taxes, duties or charges, unless the Contractor has consulted with the SLMP before the payment thereof and the SLMP has, in each instance, specifically authorized the Contractor to pay such taxes, duties or charges under protest. In that event, the Contractor shall provide the SLMP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized.

19.0 CHILD LABOUR

19.1 The Contractor represents and warrants that neither it, nor any of its suppliers is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical mental, spiritual, moral or social development.

19.2 Any breach of this representation and warranty shall entitle SLMP to terminate this Contract immediately upon notice to the Contractor, at no cost to SLMP.

20.0 MINES:

20.1 The Contractor represents and warrants that neither it nor any of its suppliers is actively and directly engaged in patent activities, development, assembly, production, trade or manufacture of mines or in such activities in respect of components primarily utilized in the manufacture of Mines. The term "Mines" means those devices defined in Article 2, Paragraphs 1, 4 and 5 of Protocol II annexed to the Convention on Prohibitions and Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects of 1980.

20.2 Any breach of this representation and warranty shall entitle SLMP to terminate this Contract immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind of SLMP.

21.0 OBSERVANCE OF THE LAW:

The Contractor shall comply with all laws, ordinances, rules, and regulations bearing upon the performance of its obligations under the terms of this Contract.

22.0 SEXUAL EXPLOITATION:

22.1 The Contractor shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by it or by any of its employees or any other persons who may be engaged by the Contractor to perform any services under the Contract. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, shall constitute the sexual exploitation and abuse of such person. In addition, the Contractor shall refrain from, and shall take all appropriate measures to prohibit its employees or other persons engaged by it from, exchanging any money, goods, services, offers of employment or other things of value, for sexual favors or activities, or from engaging in any sexual activities that are exploitive or degrading to any person. The Contractor acknowledges and agrees that the provisions hereof constitute an essential term of the Contract and that any breach of this representation and warranty shall entitle SLMP to terminate the Contract immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind.

22.2 The SLMP shall not apply the foregoing standard relating to age in any case in which the Contractor's personnel or any other person who may be engaged by the Contractor to perform any services under the Contract is married to the person less than the age of eighteen years with whom sexual activity has occurred and in which such marriage is recognized as valid under the laws of the country of citizenship of such Contractor's personnel or such other person who may be engaged by the Contractor to perform any services under the Contract.

23.0 AUTHORITY TO MODIFY:

Pursuant to the Financial Regulations and Rules of SLMP, only the SLMP Authorized Official possesses the authority to agree on behalf of SLMP to any modification of or change in this Contract, to a waiver of any of its provisions or to any additional contractual relationship of any kind with the Contractor. Accordingly, no modification or change in this Contract shall be valid and enforceable against SLMP unless provided by an amendment to this Contract signed by the Contractor and jointly by the SLMP Authorized Official.

TERMS OF REFERENCE

Country: Pakistan

Project name: (PAK/00087529) Sustainable Land Management Programme to Combat Desertification in Pakistan (Phase –II)

Period of assignment/services (if applicable): The total duration of the assignment will be five (5) months. Incomplete applications will be excluded from further consideration.

Districts: Tharparkar, Sanghar and Umerkot

Request for Proposal-RFP

Sustainable Land Management Programme (SLMP-II), Planning & Development Board, Govt. of Sindh, Barrack No.92, Sindh Secretariat # 04, Court Road, Karachi.Ph.021-99202600

If you request additional information, please write to sociologist.zulfiqar@gmail.com the team will provide necessary information within due date. However, any delay in providing such information will not be considered a reason for extending the submission date of your quotation. All/any query regarding the submission of the quotation may be sent prior to the deadline at the e-mail/address mentioned above.

BACKGROUND

Pakistan's diverse geography contributes to the wide varieties in climatic conditions in different agro-ecological zones of the country. Pakistan has been classified into 11 geographical, ten agro-ecological, and 9 major ecological zones. Around 80% of the Pakistan's land is arid and semi-arid, 12% dry sub-humid, and 8% humid. Forests cover only 42,000 km², or 5.2% of the total land area. The country has a fast growing population of about 180 million people, over 60% of who depend on agriculture for their livelihoods. About 50% of the country by area is under some type of agricultural land use. Nearly 300,000 km² is used as rangelands and 200,000 km² as cropland of which 160,000 km² is irrigated. Most of the rural population survives on fragile rain-fed lands prone to desertification, land degradation, drought, flood and severe climate change impacts.

Unsustainable land management practices in Pakistan are causing significant environmental problems, including soil erosion, loss of soil fertility and associated crop productivity, flash floods, sedimentation of water courses, and deforestation and the associated loss of carbon sequestration capacity and biodiversity assets. The northern mountain regions are subject to heavy soil erosion caused by large-scale deforestation in the catchments leading to siltation of major water reservoirs, thus reducing the capacity of power generation and availability of irrigation water. Irrigated areas are plagued with water-logging, salinity and sodicity, reducing the drainage capacity of soils and consequently leading to loss of soil fertility, crop yields, and biodiversity. Eleven million ha are affected by water-logging and 3 million ha by salinity/sodicity. There is also tremendous pressure on rangelands as a result of serious overgrazing by livestock.

The dry land areas of Pakistan are sufficiently large that prevent vegetative loss and restoring cover could make a major contribution to combating climate change. The causes of land degradation in Pakistan include poor irrigation and drainage practices, overgrazing, deforestation, increasing competition for water, drought, and migration/permanent settlement, intensification of agriculture, flooding, population pressures and persistent poverty (of course some of these threats, especially poverty, are both a consequence of land degradation as well as a barrier to SLM). Land degradation

problems are often severe in areas where there are strong interactions between different causes of land degradation.

.....
The Program aims to promote the sustainable management of land and natural resources in the arid and semi-arid regions of Pakistan in order to restore degraded ecosystems and their essential services, reduce poverty and increase resilience to climate change. The project will ensure the sustainable management of land and natural resources in the arid and semi-arid regions of Pakistan so that ecosystem functionality and critical ecosystem services are enhanced.

A. CRITERIA AND **EXPERIENCE**

The Project seeks to identify NGO/firm that has capacity in the field of NRM/Environment, Agriculture especially in Land Management

B. 8. DURATION **OF THE WORK**

The NGO/Firm shall ensure the completion of the assignment within a period of 5 months with further extension of one month if found reasonable and justified after considering the ground realities and the hurdles come forth during the execution process.

C. **SCOPE OF FINANCIAL PROPOSAL AND SCHEDULE OF PAYMENTS**

- i. Financial Proposal: The company shall clearly quote in detail the financial proposal in accordance to the work contract and the bill of quantities given below:

S.No	Description	Qty	Rate	Total
1	Rainwater Harvesting Ponds with wire fancying 200'X100'X10'	2		
2	Establishment of Community/Farmer/Home Based/Fruit & Forest Nurseries	33		
3	Development of Oasis Forest Av.5 Acre - Medicinal Plants, Low Delta Plants, Live Hedges Forest & Fruit Plants	2		
4	Sprinkler Irrigation System 2 Acre	2		
5	Solar Water Pumping System installation with water Tank (Including bore and lining)	4		
6	Community Awareness raising workshop / farmers field days conducted	12		
7	Conferences and Seminars, outreach and advocacy in collaboration with relevant organizations	2		
8	Better SLM outreach via knowledge products: brochures, leaflets, fact sheets and a booklet	2		
9	SLM Demos in non-project districts	2		
10	Provincial SLM Network Meetings and Coordination with relevant stakeholders	2		
11	Formation of Community Organizations/Village Organizations			

ii. Schedule of Payment: Schedule of Payment is given below:

	Deliverables <i>[list them as referred to in the RFP]</i>	Percentage of Total Price <i>(Weight for payment)</i>	Remarks
1	Mobilization Charges	20%	PPC and SLMP staff to verify that RP/NGO/Firm has started the assigned work.
2	50% achievement of Physical Work	50%	Certificate of the Authorized by CO/LSO
3	Completion of 100% Physical Work	30%	Certificate of completion by CO/LSO
	Total	100%	

D. APPLICATION AND SELECTION PROCESS

Evaluation criteria of short-listed company/firm will include:

- (i) Technical approach;
- (ii) Past experience directly related to the scope of work & deliverables; and
- (iii) Financial proposal.

The SLMP reserves the right to shortlist company/firm consultants in its selection process, in line with the SLMP procurement procedures.

Interested parties are kindly requested to submit proposal together with a detailed company/organization profile (to include areas of expertise and experience, examples of relevant ongoing and past consultancies, services provided and staff capacity) and expected fees within the given deadline.

E. Management

Interested organization/firms should indicate the management structure proposed for the team. The Team Leader will work in close coordination with the PMIU-Khyber Pakhtunkhwa and PMU, SLMP Project /SLMP Team as supervisor. The Team Leader will keep the supervisors informed regularly about the progress made in the implementation of this assignment, identify any issues or possible delays to the accomplishment of this assignment, and propose and implement solutions to address such issues or possible delays.

F. Preparation of the Proposal

Interested organizations/firms are requested to prepare a detailed description of how they propose to deliver on the outputs of the contract in the section of their proposal called "Approach and Methodology". In this narrative, organizations should be explicit in explaining how they will achieve the outputs, and include any information on their existing activities upon which they may build as

well as the details of what staff will comprise in the project team. Measurable targets should also be provided.

One-page CV only must be submitted for each Key and non-key expert included in the proposal. Only the CVs Environmental Expert/Planner, Field specialist and Expert will be scored as part of the technical evaluation of proposals. The CVs of non-key experts will not be scored; however, SLMP will review and individually approve/reject each CV for each position in the proposal.

All positions under the contract (key and non-key experts) must be included and budgeted for in the financial proposal in accordance with the person-month allocation required for each as defined by the proposing organization.

G. Proposal Evaluation

Considering the technical nature of this project, proposals will not be evaluated solely on monetary terms. Instead, available technical expertise and proposed methodology will also be evaluated by a panel of expert selected by PCU Sindh team, SLMP Project and SLMP.

All payments will be made in Pak. Rs. via cross-cheques in the name of selected consulting firm/organization or vendors only subject to the satisfactory performance.

TECHNICAL PARAMETERS AND TECHNOLOGY ASPECT OF THE PROJECT

The Up-scaling Phase of SLM Programme will build on the pilot phase executed during 2008-2013. It will ensure the sustainable management of land and natural resources in the arid and semi-arid regions of Sindh for enhancing ecosystem functionality and critical ecosystem services. The project will promote the application of climate resilient SLM methods and technologies through integrated approaches over an area of 200,000 ha (Umerkot, Sanghar and Tharparkar).

Several SLM interventions were tested in during the pilot phase. Only successful activities (such as rainwater conservation through water ponds, laths, solar pumps for pumping water for drinking and agriculture, Oasis forest, sprinkler irrigation in sandy soils (HEIS), rehabilitation of degraded rangelands by sowing/planting of grasses, woody species and threatened plant species of economic value) will be implemented on large scale.

PROJECT OBJECTIVES AND ITS RELATIONSHIP WITH SECTOR OBJECTIVES

PROJECT OUTCOMES AND OUTPUTS

- Outcome 1. Strong enabling environment at provincial and local levels is created to support up-scaling of SLM practices
- Output 1.1: Enabling policies and institutional mechanisms for SLM are in place at federal and provincial levels and being implemented

OUTCOME 1 SELECTED ACTIVITIES

1.1.1 Land Use Policy for Sindh:

Presently, there is no provincial policy or policy guidelines to regulate the use of land in order to maintain its productive potential and ecological functions and services. Prime agriculture land is being converted into non-agriculture uses such as housing, development of industrial complexes with no safe disposal of effluent wastes. This together with many land related issues which jeopardize country's food and economic security calls for an early assessment and harmonization of existing land uses so that further degradation of this resource could be prevented. Moreover, a legal basis for land use planning at provincial level has to be established, making land management decision-making more informed, and binding. This would help in making the land use plans legally enforceable and using the land resources as per their land capability classification. Integrated land use policies are needed in the province of Sindh to help in:

- i. Realization of sustainable development goals of the province to guide the use and development of land according to its suitability.
- ii. In order to cater growing needs of industrial and housing development sectors which are consuming some of the most productive and prime agricultural and forest lands
- iii. Guide sectoral policies such as agriculture, forest, rangeland, environment, human settlements, tourism, etc. dealing with land and water.
- iv. Promote the holistic approach to development by integrating land use planning into development planning in the provinces.

The project will therefore provide technical and financial support to prepare the provincial land use policy according to best practice SLM principles. The policies will provide a framework to ensure the sustainable utilization of land resources that would help in reversing the trend of converting prime agricultural land to non-agricultural uses, promoting land conservation practices, secure rights over land, providing sustainable growth, reducing land degradation, poverty alleviation, and

improving wellbeing of the people in line with the government's overall development objectives. The major outcome of this component will be the availability of directional guidelines to make efficient use of available land resource under different uses.

1.1.2 Mainstreaming SLM in policies, legal and regulatory frameworks

The SLM is diverse due to its cross sectoral nature. It is envisaged that SLM will be mainstreamed in relevant provincial sectoral policies like agriculture, water and forest policies, legal and regulatory frameworks and planning and budgetary processes. For this purpose relevant studies would be undertaken. A systematic approach to align the concept of SLM shall be the major output of this activity for the project area.

Through development of the comprehensive SLM policies for the provincial government, the programme will ensure ear-marking of financial and human resources that will be dedicated to implementing SLM interventions covering an area of 50,000 hectares (In Three Dry Lands of Sindh Tharparkar, Umerkot and Sanghar). The policies will also detail economic and regulatory incentives for local governments and resource users to pursue and implement landscape-level SLM interventions, including financial triggers linked to the adoption of SLM policies and practices.

Output 1.2: Skills for up-scaling SLM enhanced through institutionalization of multi-tiered capacity building programme

There is a lack of professional staff in the province to effectively develop and deliver SLM approaches in different sectors, and also to pass that experience to the rural communities. The main outcome of this sub-component will be the availability of local manpower that has the capability to address the issue of land degradation and desertification.

Capacity building to ensure sustained human resource development for effective SLM has therefore been identified as a critical and urgent priority for the project. Work under this Output will have the following sub-outputs:

1.2.1 Capacity Building of Professional Stakeholder

The project will support the development of a strategic, long-term approach to individual capacity building in SLM for professional staff of provincial and district level line departments and agencies, as well as NGOs and community leaders. A major outcome of this sub-component will be to develop a cadre of experts that can mainstream SLM process unabatedly.

1.2.2 Capacity Building at Grass Root level

The project will also facilitate in arranging district and village level SLM short-training courses on various aspects of land use planning, agriculture, forestry and rangeland management, efficient use of water resources, animal health care improvement. The target groups will be village activists, NGOs, community organizations, etc. that can then replicate the SLM learning among farmer groups. The trainings will be conducted by the concerned research institutes and experts in the project districts. The modules for the training programmes will be finalized jointly by the project in consultation with the line departments and research institutes and delivered through field/farmer days etc.

Output 1.3: Up-scaling is enhanced through a knowledge management and outreach programme for SLM

In addition to the formal training proposed under the previous Output, an important element towards ensuring sustainability of SLM interventions will be to develop a strong knowledge base and knowledge sharing mechanism among professionals and practitioners, and to ensure maximum outreach of the knowledge that has been gained. The project will therefore develop a knowledge management and outreach plan, which is expected to include the following approaches.

1.3.1 Documentation of Indigenous Knowledge

Local communities have rich indigenous knowledge related to land management, environment and degradation processes and proven strategies to answer various challenges that will be documented and used in devising or fine-tuning strategies for addressing problems of land degradation and desertification. The local farming community through their long on-farm experiences knows very well the causes and consequences of land degradation and how to address them but a number of factors limit their ability to react to these challenges. These may be lack of resources, lack of access to knowledge, and technical services. The SLM programme will therefore document local available knowledge related to land management and use this in devising or fine-tuning its strategies for addressing land degradation.

1.3.2 Field/Farmers Days

To demonstrate and share learning experiences in the application of SLM techniques being implemented at the local level, Field/Farmers Days will be organized in the project areas. The findings will be summarized in learning notes, to be used for planning future interventions.

1.3.3 Awareness Raising Workshops/Seminars

Workshops and seminars would be arranged to disseminate information related to SLM. The programme will design and organize workshops/seminars on important tools and topics related to land degradation and desertification. The events will be organized at district and provincial levels to share the best practices, encourage private investors in SLM, share research findings of local research institutes and other professional work related to LD&D.

1.3.4 Awareness Raising Material

User-friendly SLM materials in the form of leaflets, brochures, and fact sheets will be published and disseminated to a wider audience to raise awareness on desertification issues and SLM. The prime target of these materials will be local communities, with a focus on issues related to land management and degradation. These materials will therefore be prepared in local languages. The SLM programme will also work with local media (TV, radio and newspapers) to disseminate information about the project and the benefits of SLM approaches.

OUTCOME 2 SELECTED ACTIVITIES

Outcome 2. Development and implementation of SLM Land Use Planning & Decision Support System

Output 2.1: GIS-based participatory district and village land use plans developed and being implemented

The programme will assist local communities to develop and implement local level land use plans by providing technical assistance. The land use plans will focus upon improving local and traditional practices related to the use and conservation of land, water, and biodiversity resources. Technical assistance will be provided to build capacity so that a total of 45 villages and 3 districts located in the province will be able to generate comprehensive, integrated, and legally enforceable land use plans including baseline and performance indicators for on-the-ground activities. This effort will involve building upon the Pilot Phase assessments, analytical tools (e.g., Participatory Rural Appraisals and GIS data sets, satellite imageries of 15 meter resolution and 2.5 meter resolution) to bring practical, landscape level SLM planning to Sindh province. The land use plans will be prepared at two levels:

2.1.1 Village Land Use Plans

Local CBOs/NGOs will be assisted to conduct participatory resource assessments/surveys through techniques like Participatory Rural Appraisal and Planning (PRAP). These assessments will be used as the basis for preparation of participatory site-specific land use plans on the basis of best practice and SLM principles, owned by the village community and endorsed by the SLMP. The project will provide backstopping/assistance in GIS-based mapping and guidelines for land use planning in more than 45 villages of the target districts.

OUTCOME 3 SELECTED ACTIVITIES

Outcome 3. On-the-ground implementation of climate-resilient SLM activities are up-scaled across landscapes

Output 3.1: Local communities mobilized for up-scaling SLM activities

The SLM programme will follow a community based approach by organizing local communities in the target districts to make collective efforts towards overcoming the issues of land degradation and desertification. All programme activities from planning to execution and aftercare will be managed with the active support of the local communities. The Programme will establish or revive COs in each of the villages in accordance with the requirement. The aspect of gender mainstreaming in promoting SLM will also be considered. Wherever, possible around 20% female participation in implementation of the SLM intervention will be ensured. All communications between the Implementing Partner and Community will be through CBO resolutions and documented in CBOs meeting minutes (Karwai Register). A Terms of Partnership (ToP) will be negotiated and signed between the IPs and the CBO.

Output 3.2: Appropriate soil and water conservation measures and on-farm management practices are up-scaled

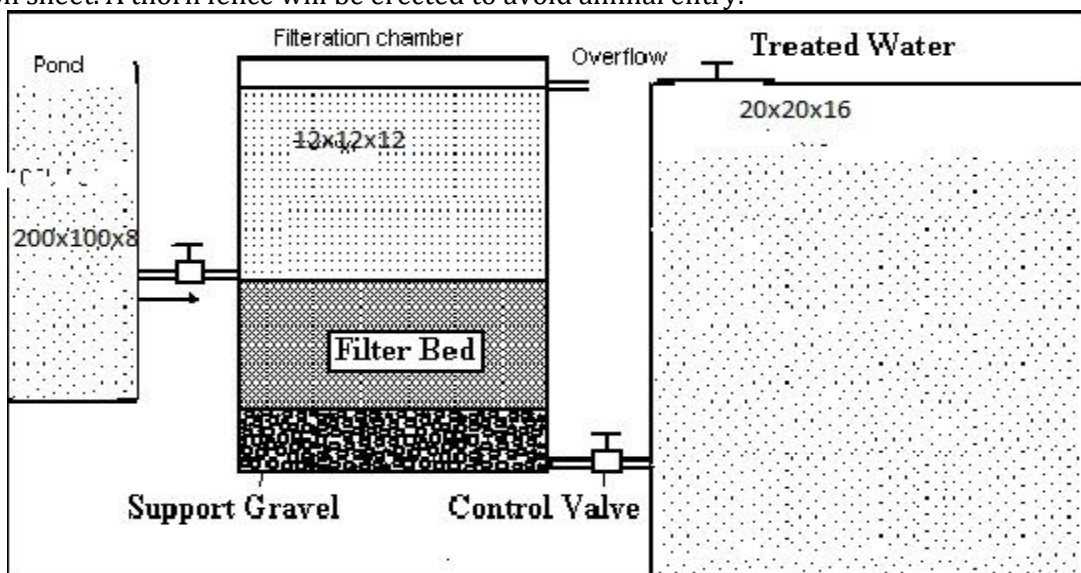
Appropriate soil and water conservation measures and farm management practices include development of arid farms by planting indigenous fodder trees and shrubs, providing improvised low cost rainwater collection tanks (Tankas) establishing live hedge of Ber, Thour and Gugar on each arid farm.

3.2.1 Rainwater harvesting (Water Ponds/Tarai for Livestock)

The life in Thar desert is entirely depends upon erratic rainfall which is received mainly in monsoon season. The ground water is generally saline and deep and therefore, collection and storage of rainwater for drinking in water ponds/tarais is required near habitations. Rainwater harvesting ponds will be constructed for the storage of rain water which will be used for domestic and livestock consumption. The pond water is very unhygienic for human consumption as livestock also drinks water from same open pond, but being poor and no other alternate of sweet water, local people drink it unless it becomes highly polluted, smells badly and become harmful to human health. Local communities would be provided separate ponds for human and livestock. The water ponds will also check the velocity of water going downstream. The establishment of watering points in the form of water ponds at different locations within and around a village will also be an essential tool to regulate grazing, and to separate livestock ponds from those used by humans for drinking. water ponds & Tarais will be constructed to provide drinking water for livestock consumption. The size of tarai for livestock use will be at-least 400'X200'X10' with a pacca inlet. Live hedge of trees would be constructed around these ponds to strengthen their embankments.

3.2.2 Rainwater harvesting (Pacca Water Ponds/Tarai Human Consumption)

Tarais will be constructed to provide drinking water for human consumption. For human beings, the size of tarai will be at least 200'X100'X8'. Water from this pond will be transferred through a pipe and valve to a chamber of 12'X12'X12' (Brick masonry) with a cover of concrete or iron sheet. This chamber will act as a sand filter as it will have sand filter bed and support gravel. After filtration through sand and gravel, water from this chamber will be stored in treated water reservoir of 20'X20'X16' (Brick masonry) with a cover of concrete or iron sheet. A thorn fence will be erected to avoid animal entry.



3.2.3 Low Cost Water Storage Tanks for Drinking

Generally, rainwater pond/tarai water lasts for 2-4 months. More clean sweet water for drinking can be made available right in each household for some more time by encouraging local people to construct low cost improvised small tanks in their compounds for collection and storing roof water in rainy season. Under this programme water storage tanks will be constructed. The cost of construction material labour will be provided by the programme and skilled and unskilled labour cost required for digging and construction will be borne by the households.

3.2.4 Solar Water Pumping System

Since the main source of drinking water for human and livestock is wells and the water is drawn mainly by draft animals or manually, generally one person in a family is devoted just for water collection. Due to increase in the cost of draft animals and their feed, drinking water costs a lot for a poor family. In addition, repeatedly putting rope in the well with water bucket, takes lot of dung and other impurities in drinking water that makes well water unsafe for drinking. One time investment on a solar pump for pumping water from well and storing in a tank for human beings and leaving water in a trough for livestock will not only save money and hard labour of local inhabitants, but will also provide safe drinking water. These pumps once installed require little running/maintenance cost for years to come. Under this programme, solar pumps will be installed over the existing village wells having less than 40m to 100 m water depth.

Output 3.3: Improved dry land forest and sand-dune management restores ecosystem services, and provides new livelihood opportunities

3.3.1 Nursery Raising

Enormous woody species of trees and shrubs grows in natural condition in Thar area. Among these tree species, most protected *Prosopis spicigera* and *Salvadora oleodes* generally grows in plain areas where barani crops are cultivated. However, *Acacia Senegal* grows on sandy dune slopes with other woody and non-woody species on public land. Kandi tree locally called *Khejri* is life tree for Thar area dwellers. It is one of the best browse tree and its foliage and beans are cherished by cows, goats and camels equally. Ripe and dry beans are also eaten by local people. Kandi is the only tree that permits crops to flourish under its shade particularly in stress period when healthy crop is only found beneath it due to its thin crown and partial shade. Therefore, this most valuable tree is well protected and promoted in barani farms. There is a large scope of raising nurseries that provides plants of most preferred tree species which together with fruit trees could be used to develop “Oasis” in Thar Desert. During the programme, Nurseries plants of assorted tree species adapted to desert conditions will be raised in the farmer nurseries and distributed to other farmers for planting in their farm lands.

3.3.2 Development of “Oasis”- Forest & Fruit Plants

In desert areas, the development of “Oasis” is emerging as a major trend to establish green spots with favorable micro-climatic condition. Live hedges, low delta crops, medicinal plants, forest and fruit trees are planted around a source of water which could be a spring or a stream. Under this activity it is envisaged to develop oases, each covering at least 5-acres. The sites for the development of oasis will be identified in consultation with the local communities ensuring that an appropriate water source is available for the development of such green spots within the desert areas. These oases will help in the re-emergence of local flora and fauna species and improve dry land biodiversity.

Involvement of Women in SLM Programme Activities

Socially and culturally, the women are the under-privileged section of the society particularly in rural areas of Sindh, where they are mostly uneducated and suppressed. Sustainable land management and integrated management of natural resources requires participation and empowerment of local communities (both men and women) in order to promote equity and maintain economic prosperity in the area. Therefore, CBO’s will be encouraged to include women members in their existing organizations and women will be supported to form separate CBOs in their villages to execute SLM activities at their own.