

# Government of Rajasthan

Rajasthan Health Systems Development Project  
C-Block, Swasthya Bhawan, Tilak Marg, Jaipur  
Email: rhasdp\_raj@yahoo.com

Tel: 0141-5110730  
0141-2228778  
Fax: 0141-2228778

No.F.5 (1.12)/RHSDP/QI/HCWM/Impact Eva./2008/3650  
Credit No. 3867-IN

Date: 19 June 2008

## Letter of Expression

1. The Government of Rajasthan has received a credit from International Development Association towards Health Systems Development Project. Part of the process of the credit will be applied to payment for eligible consultants under the contracts for which this invitation for bid is issued.
2. RHSDP initiated the dedicated effort to establish Health Care Waste Management (HCWM) System at 343 secondary level health institutions across the state. A portion of credit received from the World Bank is being utilized for quality improvement interventions by the project.
3. RHSDP invites "Expression of interest" from eligible consulting organization to conduct "impact evaluation of HCWM implementation" at project facilities. The impact evaluation plan will cover eight CTFs, which are operational, and a field survey of about 36 health institutions across 32 districts of the state to study the implementation of HCWM system.
4. The consulting organization must have past experience and exhibit capabilities in carrying out such activities in health sector for past three years. The consultant should have good knowledge of Environment / Pollution control and norms of Bio Medical Waste (Management and Handling) Act and Rules.
5. The consulting organization would be selected following the Quality and Cost Based Selection (QCBS) process as per the World Bank guidelines.
6. Interested organizations are required to submit their profile, giving the following details: -
  - a. Name, address, Fax No. and Email Address of the agency
  - b. Names and short CVs of the chief functionary and principal staff members
  - c. List of similar assignment undertaken (completed and ongoing) in the related medical field in the past three years
  - d. Registration status and organizational structure
  - e. Financial status of last three years
7. Detailed Terms of Reference including criteria & scope of work is available on the department website [www.rajswasthya.nic.in](http://www.rajswasthya.nic.in) and [www.rajasthan.gov.in](http://www.rajasthan.gov.in) and for further query contact during office hours at the above office address.
8. The letter of "Expression of Interest" should reach the office of the Project Director, RHSDP on or before 1700 hours on July 15, 2008, under sealed cover.

  
Project Director

Rajasthan Health Systems Development Project

**Terms of Reference  
For  
Impact Evaluation of Health Care Waste Management Implementation Plan under  
Rajasthan Health Systems Development Project**

**Background**

The World Bank assisted Rajasthan Health Systems Development Project was launched in the State of Rajasthan in July 2004 under which 238 Secondary level institutions are being provided with hardware and software inputs for improving the quality of services in public sector. Under the project the selected facilities are being renovated, equipped and staffed in addition to ensuring improved supply of drugs and hospital supplies in an effort to attain prescribed norms. These inputs are being complemented by measures to improve service quality through training of staff and institutionalization of quality assurance systems.

A survey undertaken in 50 health facilities of various sizes in 11 districts during project preparation brought out that despite circulation of the National Bio-medical Rules (2000) to all health facilities; segregation, storage, treatment and final disposal of bio-medical waste was not being done in accordance with the guidelines due to lack of awareness of the new legislation. Moreover, there were no operational and monitoring systems in place to ensure that good practices were followed.

In order to meet the environment safeguard for the project, Government of Rajasthan prepared a Health Care Waste Management (HCWM) Action Plan with the key activity being outlining of overall framework, the process for development of facility specific HCWM plans, the roles and responsibilities of various parties and estimates of costs (investment and operating). Other activities included establishment of institutional frameworks at the various levels, formulating a training program for total staff and workers of healthcare facilities and establishing monitoring and reporting systems. The action plan also outlined support to facility specific HCWM plans and provision of basic infrastructure in accordance with the wider system enhancement activities under the project.

**Current Status**

Improving Health Care Waste Management System has been identified as part of the Component II of the project, which aims at development of secondary health care centers of Dept of M & H for improved quality of services.

The Rajasthan Health Systems Development Project initiated the dedicated effort to establish a robust health care waste management system at these 343 secondary level institutions across the state. Detailed activities were chalked out to be accomplished in a phased manner through the life of the project.

Towards end of Third year of the project, it is envisaged to get the impact evaluation carried out through an expert towards extent of implementation, identification of issues & concerns, limitations & constraints of the HCWM component under the project.

**Objectives of the Evaluation**

The Evaluation will have the following objectives:

- (i) Assess the implementation of the HCWM, including the short and medium term measures, in the facilities supported by the Rajasthan Health Systems project;
- (ii) Assess the progress of implementation in relation to the plan agreed to in the Project Implementation Plan. If certain activities have not been initiated, determine the reasons why. If alternate activities have been initiated, describe in detail the scope of these activities;

- (iii) Following from the above, undertake a desk review of all the available project documentation (including aides memoire, special studies, guidelines, protocols, standard operating procedures, IEC materials, evaluations and reports) to track the evolution of the HCWM systems in the state. Also liaise with Department of Medical & Health and National Rural Health Mission (NRHM) to understand how HCWM has evolved under their purview;
- (iv) Review the implementation of both the hardware (civil works and hospital supplies) as well as the soft ware (training, IEC) parts of this component and assess how these have contributed to the achievement of the Project Development Objectives (PDOs);
- (v) Estimate what proportion of project funds have been spent on the implementation of the HCWM Implementation plan in relation to the budgeted amount;
- (vi) Review the status of provision of equipment and construction related to medical waste management for all project facilities vis-à-vis non-project facilities;
- (vii) Elicit views of all stakeholders—including RHSDP, NRHM, DOHFW, Rajasthan Pollution Control Board (RPCB), NGO partners, key facility staff, CTFs, etc on the effectiveness of the strategy as implemented by RHSDP;
- (viii) Review HCWM practices as adopted in outreach camps and mobile medical vans and their compliance with set protocols;
- (ix) Identify the constraints and bottlenecks in the implementation and weaknesses, which have prevented effective implementation of HCWM including receiving authorization from the RPCB, as are required under the Bio Medical Rules;
- (x) Review the supervision and monitoring arrangements for this component by designated staff needed to ensure that health care waste management measures are implemented satisfactorily;
- (xi)

The impact evaluation of HCWM implementation plan will cover Eight CTFs, which are currently operational, and a field survey of about 36 health facilities (three hundred bedded 2 hospitals, 100 bedded 4 hospitals, fifty bedded 10 hospitals and thirty bedded 20 hospitals) health facilities across 32 districts of the state to review the HCWM systems.

### **Scope of Work**

The consultant will travel through out Rajasthan and work with the Project Director, Ms. Roli Singh and the project team, to carry out the following tasks:

#### **Review and evaluate adherence to State level requirements and planning frameworks.**

- Assess the approach adopted by the Director, Medical & Health, GOR, to comply with the Bio-Medical Rules, specially in terms of regulatory requirements and the planning processes adopted by the Department
- During site visits if an integrated approach towards HCWM which cross-cuts disease specific and centrally sponsored health programs exists and if so, how far is it successfully integrated

#### **Review and evaluate HCWM practices in the project, including:**

- The HCWM Plan drawn up by the project
- Effectiveness of implementation of the HCWM practices
- Capacity of the project authorities and other players involved in the implementation of the plan
- Supervision and monitoring arrangements between facilities, CTFs and PIU. Assess the usage and relevance of performance monitoring indicators developed by PIU.
- Difficulties experienced in implementation, constraints hindering effective implementation of the HCWM plan and highlight the lessons learnt.

- Implementation and level of execution of bio-medical waste management practices by staff of project and non-project facilities
  - Records of authorization under BMW Rules issued by RPCB before inception and during operations of project.
  - The practical disposal practices being adopted – either on-site or off-site – in the project facilities including the Common Treatment Facilities (CTFs)
- Consultant is expected to review and elucidate following project interventions and discuss the impact of each of the following:-

#### **Civil Works:**

- Assess the appropriateness of the civil works which have been done for this component and recommend any required improvements

#### **Procurement plan:**

- Procurement plan implementation for HCWM component, followed by verification of desk audit findings in the facilities visited for review
- Assess quality of the equipment and consumables procured within the project, requisite quantity and its use.

#### **Training:**

- Training module and material, including any hands-on–training for this component, and assess the effectiveness of the modules in developing the required skills of the providers
- Identify and agree with the project authorities on any changes in the modules and material which would enhance capacity and skills
- Synchronization of training and procurement of equipment and consumables
- Impact of training of trainers and healthcare providers in terms of how far the training imparted has been successfully applied at the ground level

#### **IEC:**

- The communication strategy being utilized in the facilities to inform providers and users of the facilities regarding the need of appropriate disposal of health care waste
- On-site the IEC materials on HCWM provided by PMU and its availability at facilities and study its practical usefulness for health staff

#### **Time Frame and Deliverables**

Total time taken for the task should be about 90 days including field visit, information collection, report writing and finalization.

- Work plan and methodology for conducting and completing all tasks presented in Scope of work above
- Report on desk review of all available material on HCWM Implementation plan under RHSDP
- Plan for field visit and information collection Presentation of draft report to RHSDP and World Bank with key findings of impact study and a technical note on HCWM with key issues and constraints identified and recommendations for improved implementation.
- Draft final report incorporating feedback from RHSDP and World Bank by stipulated time
- Final report

Annexure to the final report may include check lists for implementation assessment of HCWM component for the following: (annexes need to be included)

- (a) Check list for Project Monitoring Unit (PMU)
- (b) Check list for Health Care Facilities
- (c) Check list for Common Treatment Facility

#### **Organization and management of Work**

This work will be carried out in close collaboration with the team at RHSDP, who will be responsible for the detailed arrangement and logistics related to site visits and meetings.

#### **Data, Services and facilities to be provided by the Client**

- a. The coordinator for Health Care Waste Management as nominated by the Project Director, Rajasthan Health Systems Development Project (Client) will liaise between the Department of Medical Health and Family Welfare, project facilities, training agency, CTFs, other stakeholders and the consultant for the duration of consultancy for interactions to facilitate impact evaluation.
- b. Client will promptly furnish the consultant with necessary data, documents, necessary information and cooperation related to the tasks that are to be carried out.

#### **Skill set expected with Consultant**

Good knowledge of Environment / Pollution control and norms of Bio Medical Waste Management Rules, latest amendment.