

# Rajasthan Health System Development Project

(A Government of Rajasthan initiative)

Rajasthan Health System Development Project  
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## Letter of Expression (LOE)

1. The Government of Rajasthan has received a credit from International Development Association towards Rajasthan Health Systems Development Project. Part of the proceeds of the credit will be applied to payments for eligible consultants under the contracts for which this invitation for bids is issued.
2. The Project Director RHSDP invites "Expression of Interest" from eligible agency for undertaking "review of quality / adherences to technical specifications and use of health facility buildings and medical equipments financed through World Bank credit". The review is to be conducted at 54 hospitals of the state (District Hospitals and one facility from District).
3. The agency/institutions would be required to undertake field visits to these institutions with a multidisciplinary team of Civil Engineers, Architect and Bio-Medical Engineer to assess the quality of works and equipments including their utilization.
4. Eligibility criteria:
  - The Agency/Institution must have an experience of working in health sector for last 10 years and have sufficient resources/capacity to undertake such assignments.
  - The agency must have experience of five years in carrying out research activities of health sector especially of conducting similar type of activity for public sector
  - Audited balance sheet reflecting turnover of more than 2 crore per year during the last five years
  - Resource persons should be qualified and experienced with relevant degree or higher qualification and a minimum experience of 5-10 years of conducting research in health sector.
  - Preference would be given to agencies with relevant work experience in Rajasthan
  - No joint ventures/consortium will be entertained.
5. Interested Agencies/Institutions may submit their profile, giving the following details:
  - a. Organizational profile and structure (Name, address, registration, fax, and e-mail etc)
  - b. CVs of the key resource persons who would be involved in the study
  - c. Audited balance sheet of last five years
  - d. List of similar assignments undertaken (completed and ongoing) in the field of health sector
6. Interested agency/organization that meet the above mentioned criteria may submit the letter of "Expression of Interest" to Project Director, RHSDP at the above mentioned address on or before 1800 hours on 30<sup>th</sup> December 2009, under sealed cover.
7. Detailed Terms of Reference regarding the assignment is available on the Department website [www.rajswasthya.nic.in](http://www.rajswasthya.nic.in) and for any further queries contact during office hours at the above mentioned address.

Project Director  
RHSDP

## TERMS OF REFERENCE (TOR)

### Consultancy for review of quality / adherence to technical specifications and use of health facility buildings and medical equipment financed through World Bank Credit of Rajasthan Health Systems Development Project

#### Background:

Rajasthan Health Systems Development Project has formulated its objectives to improve the quality of services in the health facilities (District Hospitals, Referral hospitals, Community Health Centers (CHCs) in the districts of the Rajasthan state). In total 233 facilities were taken up for renovation and construction of some new buildings depending upon the need to strengthen the infrastructure. In addition to these one PIU Building has been also constructed. Out of these 233 nos facilities 229 nos have been completed. These works have been executed by the Zonal Executive Engineers, through contractors, following World Bank Guide lines.

Similarly the project has supplied medical equipments of different categories like Imaging Equipments, Electro medical Equipments, Lab Equipments, Sterilization etc. to all the 238 project facilities. These equipments have been procured as per the World Bank Guidelines.

An external evaluation to assess the quality of works and equipments including their utilization is required as part of the project.

#### **Broad Information Area**

The areas of information sought are broadly as below;

- ❖ Construction of buildings as per agreed drawings and technical specifications.
- ❖ Quality control mechanisms implemented with regard to building materials
- ❖ Completion costs with respect to the contract costs and reasons for variations
- ❖ Completion time with respect to contracted time of completion, reasons of delays if any.
- ❖ Utility of buildings for the designed purpose including the full hospital building.
- ❖ Hospital equipments supplied and their conformity to approved technical specifications and use including availability of requisite manpower to use the equipment.

The study would involve field visits with a multi disciplinary team of Civil engineers, Architect, and Bio-medical engineer to the hospitals in selected project districts of Rajasthan, as per list of facilities provided in Annex 1 at the end of this document.

The team would interact with the concerned engineers and health department/ hospital officials to gather all required data as per the scope of the study.

#### Scope of the work:

1. The consultants has to visit a representative sample of select facilities undertaken during the project, with one health facility in each district besides and remaining all District Hospitals, totaling to 54 nos. Earlier 5 District hospitals and 27 sub district facilities were evaluated as part of mid term review.
2. The consultant has to verify whether the buildings constructed are as per the drawings prepared – like the number of fittings at site vs. the number shown in drawings recto the verification would include checking if the material provided at sites is as per the specifications e.g. light switches, fans, lights, toilet fittings etc..
3. The consultant has to peruse the quality control records available at site for the materials used in the construction. The project would keep the files regarding the material test reports ready for the visiting team. The consultant will also comment on the quality control mechanism adhered to during the construction.
4. The consultant should study and comment on the reasons for cost and time over runs, if any, in completing the construction of the facilities visited, in order to provide a good insight into the efficiency of project implementation
5. The consultant would also meet at least three of the design architects and engineers, if possible, to know the instruction and approval mechanism set by Project Impletation Unit.
6. The consultant has to verify whether the buildings constructed are put into use for the designed purpose.
7. The consultant has to verify whether all the equipments supplied to the hospitals are as per the approved Technical specifications.
8. The consultant has to verify whether the equipments supplied to the hospitals are properly installed / demonstrated and trainings have been provided by the concerned firms.
9. The consultant has to verify whether all the equipments supplied till date to the hospitals are put to proper use within a month of delivery.
10. The consultant has to verify whether all the equipments supplied to the hospitals are functioning well.

The consultant will also create a scoring index for evaluating the facilities and equipment based on the above criteria. The index should be able to indicate the status of the districts and the District Hospitals based on the above parameters. The scoring system should be described in detail in the Technical Proposal and agreed with the Bank before award.

**Deliverables:**

The report should contain the following details, along with photographs of visited buildings/ equipment as appropriate.

- a. Whether the buildings are constructed as per the drawings? If not, reason for any deviation may be explained.
- b. Whether the buildings in the sample were constructed as per budget and on time? If there is a cost or time overrun, the reasons for the same are to be explained. Similarly, comments on cost overrun,

delayed delivery for equipment supplied through the project in the facilities visited by the consultants, would be commented upon.

c. If contracts for facilities visited by the consultants are under arbitration, a brief note on the main issues that led to the arbitration need to be covered.

d. Whether quality control mechanisms available were adequate? If not, methods for improving the mechanism may be suggested.

e. Whether payments were made on time to building contractors and equipment suppliers?

f. Whether all the equipments supplied to the hospitals are in working conditions? If not, the reason for the same may be explained.

g. Whether the equipments supplied to the hospitals are put into proper use? If not, the reason for the same may be explained.

h. Whether the equipments supplied to the hospitals are sufficient to meet the demand?

i. Whether the equipments supplied to the hospital are as per the approved Technical specifications?

**Services and Facilities to be provided by the client.**

(i) The Project will facilitate necessary data gathering at the site.

(ii) The Project will assist the consultant in organizing and coordinating with the Health department and other appropriate agencies for perusing the records available at the site or in office.

(iii) The Project will assist in organizing the meeting with all the concerned officers in PIU.

**Payment Schedule:**

1. 10% of contract value at the time of signing the contract agreement against the bank guarantee.
2. 20% of the contract value at the time of submission of field survey report. The field survey report would cover the work shall be carried out as per the deliverables mentioned at sr. no. (a to i).
3. 35% of contract value at the time of submission of draft final report
4. 35% of contract value at the time of submission of final report and its acceptance.

**Minimum Key Personnel to be employed and their qualifications:**

- Team Leader : Bachelors degree in engineering and at least 15 years experience in civil works and/or medical equipment.

- Civil Engineer : BE Civil with a minimum of 12 years experience in civil works, with the ability to check drawings, design and specifications of constructions. Prior experience in hospital construction desirable.
- Architect: B. Arch with a minimum of 12 years experience in design and supervision of buidings. -- Prior experience in design and supervision of hospitals desirable.
- Bio-medical Engineer : Degree in Bio-medical engineering or appropriate qualifications with an experience of minimum 10 years in dealing with medical equipment.

**SCHEDULE OF DELIVERABLES AND COMPILATION / SUBMISSION OF REPORTS**

No.	Description	Remarks
1.	Field Survey Report	The field survey report would cover the deliverables mentioned at sr. no. (a to i).
2.	Draft Final Report	The survey findings would be presented to the Project Director within 10 days of the consultants' visit to the last facility. The findings shall be presented in the electronic format. The report will have provision for incorporating suggestions or improvements for future service delivery. The PIU will provide comments to the report within 7 days of receiving the same.
3.	Final Report	The feed back and comments received from the PIU would be incorporated into this evaluation report within 15 days of the receipt of comments.

The tentative time schedule for the assignment is given below;

Contract Award - by 7 Feb. 2010

Facility Inspection – Feb. 15 to April 15, 2010

Submission of Draft Final Report – April 30, 2010

PIU comments to be sent by – May 15, 2010

Submission of Final Report – by May 30,2010

**REPORTING**

The Consultant will report to Project Director RHSDP

Annexure I  
Health Facilities district-wise for review of buildings and equipment

SL	Name of the district	District Hospital	Others like CHC, Referral etc	Remarks (already Evaluated )	Facilities to be Evaluated
1	Ajmer	1	7		All remaining DHs and 1 facility from each District (Totaling to 54 Nos)
2	Bhilwara	1	10	Others 1	
3	Chittorgarh	1	13	Others 1	
4	Rajsamand	1	7	Others 3	
5	Bharatpur	1	8	Others 3	
6	Dholpur	1	3		
7	Karauli	1	4	DH 1	
8	Sawai Madhopur	1	4	Others 1	
9	Bikaner	0	6		
10	Hanumangar	1	2		
11	Ganganager	1	6		
12	Nagaur	1	10		
13	Alwar	1	13	Others 3	
14	Dausa	1	4		
15	Jaipur	1	12	Others 1	
16	Jhunjhunu	1	7		
17	Sikar	1	7	DH 1	
18	Churu	1	5	Others 1	
19	Jodhpur	0	9	Others 3	
20	Pali	1	9	Others 1	
21	Barmer	1	7	DH 1	
22	Jaisalmer	1	2	DH 1	
23	Jalore	1	6	Others 1	
24	Sirohi	1	4	Others 1	
25	Baran	1	6	Others 1	
26	Bundi	1	3	Others 1	
27	Jhalawar	0	6	Others 2	
28	Kota	0	5		
29	Banswada	1	7		
30	Dungarpur	1	4	Others 1	
31	Udaipur	0	10	Others 2	
32	Tonk	1	5	DH 1	
	Total	27	211	DH 5, Others 27	