



**Gap Assessment of Biomedical Waste Management Process in  
National Capital Territory (NCT) of Delhi**

**RFQ/2022/44530**

## **1. General Background**

The United Nations Office for Project Services (UNOPS) is an operational arm of the United Nations, supporting the successful implementation of its partners' peacebuilding, humanitarian and development projects around the world. UNOPS supports partners to build a better future by providing services that increase the efficiency, effectiveness and sustainability of peace building, humanitarian and development projects. Mandated as a central resource of the United Nations, UNOPS provides sustainable project management, procurement and infrastructure services to a wide range of governments, donors and United Nations organisations.

## **2. Background**

Healthcare waste has always been considered hazardous because of its inherent potential to cause injuries and spread infections in the community. It also poses a threat of contamination of soil, air, water bodies and underground water table. Such Biomedical waste (BMW) gets generated at many sources in healthcare facility- Medical and surgical departments, laboratories, and pharmacy etc. The new BMW Management rules (2016) and amendments 2018 are meant to improve the segregation, transportation, and disposal methods, to decrease environmental pollution so as to change the dynamic of BMW disposal and treatment in India.

The Biomedical Waste Management services include a wide range of activities and services pertaining to collection, transportation, storage, treatment and disposal of Bio medical wastes & general wastes generated in the hospital on day-to-day basis following the due procedures. For effective disposal of BMW, there should be a collective teamwork with committed government support in terms of finance and infrastructure development, dedicated health-care workers and health-care facilities, continuous monitoring of BMW practices, tough legislature, and strong regulatory bodies.

## **3. Need of Biomedical Waste management**

The need or rationale for spending so much resources for management of hospital waste are due to following risks:

- Nosocomial Infections in patients
- Infections and hazards to all category of hospital staff with particular risk to waste handlers
- Transmission of infections from health facilities to community
- Risk to rag-pickers
- Risk associated with hazardous chemicals
- Re-circulation of syringes & other Disposables & drugs
- Air, water and soil contamination
- Offensive to aesthetics & sensitivities of the community.

## **4. Purpose and Scope of Assignment for Assessment of BMW process in NCT of Delhi**

Biomedical Waste Management should be a shared teamwork with committed government backing, good Waste management practices followed by both health-care workers and HCFs, continuous monitoring of BMW practices, and strong legislature.

There are different hospitals (public and private), municipal bodies, pathological institutions, veterinary hospitals who have their own BMW processes. However, whether they are adhering to the BMW rules and standard protocols is not ascertained.

In view of the above, UNOPS intends to engage an Agency to carry out a study to assess the current practices on BMW being followed in different healthcare facilities (Public and Private) in NCT of Delhi and to identify the gaps and challenges related to BMW and strategies to address the same and document the best practices being followed.

## 5. Study Sites:

Data collection will be done from below facilities covering 25% samples (approx.10 Public Health facilities in Delhi, 1 veterinary Hospital and 2 private hospitals). The list of study sites will be finalised in consultation with UNOPS. Proposed list of Delhi Government Hospitals is attached at *Annexure-1*. *Private and veterinary hospitals will be selected from NCT region.*

SL.No	Facility	50-100 bedded	100-500 bedded	>500 bedded	Nos
1	Public sector hospitals	3	3	3	10
2	Veterinary hospitals & Clinics	-	-	-	1
3	Private Hospitals	-	1	1	2
<b>TOTAL</b>					13

*N.B. Final sample sites will be decided in consultation with UNOPS*

## 6. List of activities

- Submission of proposal to UNOPS (techno-financial) through e-sourcing portal. Vendors should be registered in UNGM portal to view the tender and participate in the subject tender.
- Submission of Data Collection tools and finalization of the tools in consultation with UNOPS followed by data collection in sample hospitals
- Data analysis and report writing
- Submission of final report to UNOPS and dissemination

*N.B.-It may be noted that UNOPS will facilitate to get the authorization from the Government to carryout the study.*

## 7. Activity Plan

No.	Activities	Dec-22	Jan-23	Feb-23	Agency Resp.	UNOPS Resp.
1	Signing project/Issue of contract				++	++
2	Recruitment of project staff and Induction				++++	
6	Study Tool Pre-testing and finalization in consultation with UNOPS				++	++
7	Data collection				++++	
8	Data Analysis				++++	
9	Report preparation - draft				++++	
10	Final Report and Dissemination				+++	+

*Here (+) represents 25%, (++) 50%, (+++) 75% and (+++++) 100 %*

**8. Expected Time Frame:** Dec.2022-Feb. 2023**9. Eligibility**

The call is open to Organisations with a minimum of 10 years of relevant work experience in the field of BMW assessment or similar activities in Health sector including but not limited to drugs and medical equipments supply chain assessment, health facility assessment etc. with focus on operational, technical and monitoring and evaluation experience. Offerors should possess valid business license to operate in India.

The proposal should include a maximum of 10-page proposal detailing the methodology, approach, work plan, budget and short CVs of the experts to be engaged in the assignment.

**10. Evaluation Process**

The evaluation will be done based on lowest cost most acceptable offer including but not limited to quality of the proposal, workplan and methodology, experience of the firm in similar project related to water and sanitation, project documentation, CVs of the key persons involved in the project having 10-15 years of experience in similar projects.

<b>List of Delhi Government Hospitals</b> <b>(Samples would be selected in consultation with UNOPS)</b>			
<b>S.NO</b>	<b>NAME OF HOSPITAL</b>	<b>ADDRESS</b>	<b>CONTACT NO</b>
	<b>UNDER DELHI GOVT</b>		
1	Aruna Asaf Ali Govt. Hospital	Rajpur Road, Delhi. 110054	23965532, 23831524 Fax- 23922333
2	Acharyaashree Bhikshu Hospital	Moti Nagar New Delhi-110015	25423011 Fax- 25448806
3	Attar Sain Jain Hospital	Lawrence Road, New Delhi-110035	27153357 Fax- 27106441
4	Baba Saheb Ambedkar Hospital	Sector 6, Rohini, New Delhi.-110085	27055585, Fax-27058108
5	Bhagwan Mahavir Hospital	PitamPura, Delhi-110034	27034535, Fax-27033948
6	Babu Jagjivan Ram Hospital	Jahangir Puri, New Delhi 110033	27631810, Fax- 27631610
7	Central Jail Hospital	Jail Road, Hari Nagar, Delhi-110064	28520012
8	Chacha Nehru Bal Chikitsalaya	Geeta Colony, Delhi-110031	21210215, 2120216 Fax- 21210203
9	Dadadev Mother & Child Hospital	Nasirpur Near Dabrimore Janakpuri New Delhi-110018	25395536 Fax-25395542
10	Deen Dayal Upadhyay Hospital	Hari Nagar, New Delhi-110064	25494337 Fax-25494264
11	Deep Chand Bandhu Hospital	Kokiwala Bagh, Ashok Vihar, Phase-IV, New Delhi	27305953
12	Delhi State Cancer Institution	GTB Hospital Complex, Shahadara, Delhi - 95	2,211,050,522,110,300
13	Dr. Hedgewar Arogya Sansthan	Karkardooma, Delhi-110032	20822305, 20822313
14	Dr. N.C. Joshi Hospital	Karol Bagh New Delhi-110005	23611786, Fax-23523677
15	Govind Ballabh Pant Hospital (G.B.P.H.)	Jawahar Lal Nehru Marg, Delhi.-110002	23238109, 23237254 Fax- 23239442
16	Guru Govind Singh Govt. Hospital	Raghubir Nagar New Delhi-110027	25984549, 25988532 Fax- 25989417
17	Guru Nanak Eye Center	Maharaja Ranjit Singh Marg, New Delhi-2	23236931 Fax-23230033
18	Guru Teg Bahadur Hospital (G.T.B.H.)	Shahdara, Delhi. 110095	22581730 Fax-22581928
19	Institute of Liver & Biliary Sciences (I.L.B.S.)	Vasant Kunj, Delhi-110057	46300000
20	Institute of Human Behaviour and Allied Sciences (I.H.B.A.S.)	Shahdara, Delhi-110095	22112136, PBX No 22114021, 22114029, 22583056, 22583322
21	Janakpuri Super Speciality Hospital	Janakpuri, Delhi-110058	25552023
22	Lal Bahadur Shastri Hospital (L.B.S.)	Khichri Pur New Delhi-110091	22774145 Fax-22786808
23	Lok Nayak Hospital	Jawahar Lal Nehru Marg, Delhi. 110002	23236000, 23232400, Fax- 23232870
24	Maharishi Balmiki Hospital	Pooth Khurd, New Delhi-110039	27761521, Fax- 27761522

25	Pt. Madan Mohan Malviya Hospital	Malviya Nagar New Delhi-110017	26680603, 26674757
26	Maulana Azad Institute of Dental Sciences	M.A.M.C. J.L. Nehru Marg, New Delhi-110002	23233925, 23239271-76
27	Poor House Hospital	Beggars Home G.T.B.Ngr Delhi-110009	2,396,553,223,831,520
28	Rajiv Gandhi Super Speciality Hospital	Tahirpur, New Delhi-110064	65252480
29	Rao Tula Ram Memorial Hospital	Jaffar pur, New Delhi-110073	25318444, Fax-25318012 25318070
30	Sardar Vallabh Bhai Patel Hospital	Patel Nagar New Delhi-110008	25885944 Fax-25881396
31	Satyawadi Raja Harish Chandra Hospital	Narela, Delhi-110040	27787304; 27787305(Fax)
32	Sanjay Gandhi Memorial Hospital	Mangol Puri, Delhi.-110083	27921117 Fax-27924403
33	Jag Parvesh Chander Hospital	Shastri Park, Delhi-110031	22184453 Fax-22184455
34	Ayurvedic & Unani Tibbia College & Hospital	Ajmal Khan Park, Karol Bagh, New Delhi-05	23629013
35	B R Sur Homeopathic Medical College	Nanakpura, Moti Bagh, Delhi-110021	24105298
36	Nehru Homeopathic Medical College	B-Block, Defence Colony, New Delhi-24	24331193
37	Chaudhary Brahm Prakash Ayurved Charak Sansthan	Vill. Khera Dabar, Najafgarh, New Delhi - 73	65172030