



Sanjay Gandhi Post-Graduate Institute of Medical Sciences
Raebareli Road, Lucknow-226014, India.
Tel: + 91-522-2668004-8; Fax: + 91-522-2668078/2668017
(www.sgpgi.ac.in)

ADVT. No. 50/2009-10

**Notice for Invitation of Pre-qualification bids from Professional Architect Consultants for the construction of
“STEM CELL RESEARCH CENTRE”**

The Sanjay Gandhi Post-Graduate Institute of Medical Sciences (SGPGIMS), Lucknow, hereby invites pre-qualification bids from Professional Architect Consultant/Companies (referred as Consultant hereafter) for the construction of its Stem Cell Research Center. The Phase I of the Centre is to be constructed in an area of approximately 2200 sq meters (covered area), and its components include a GMP Complex of Class 10, 000 with at least 3 Production Labs and other supporting facilities/areas, Pre-clinical Animal Experimentation and Imaging Facility and *In-Vitro* Research Labs including GLP grade labs (Annexure 1). Since clinical grade stem cells for human use, would be generated within the GMP Complex of the Centre, hence it would have to be constructed as per current International GMP norms, and would need approval of National/International Regulatory authorities. The applicants can visit the site of the Stem Cell Research Center of the Institute to get first hand information about the site or contact the Nodal Officer at Tel No 2668700/2668800/2668900, Extn 2291, or EE (Hospital) at Extn 2022, for any other information that the Applicant may need.

I. Scope of Work:

1. Evaluation of the already prepared preliminary layout of the Stem Cell Research Center to ascertain whether it meets the current GMP/GLP norms, and incorporation of the modifications, if needed.
2. Designing and preparation of the detailed working drawings of all the specialized architectural works, engineering services (Electrical and Electronic System, HVAC, Plumbing, Fire fighting etc) and all interior works, as per current norms of the respective components of the Centre and approval of the same by the user Department.
3. Preparation of the specifications and Bill of Quantity of all building works and building services and providing approximate cost estimates of finally approved plan of work and certification of the bills.
4. Consultant will be responsible for the quality, safety measures, timelines and cost-overruns (if any) of the project.
5. Project management with posting of engineers on-site for constant supervision of the execution of the construction work of the Center as per the drawings and the laid down norms, and ensuring that all the requirements for execution are timely fulfilled.
6. Monthly or as and when required meetings along with site visits with the Institute personnel to review the progress of the Project.
7. Since the construction of the specialized GMP facility will be required to be done by Clean Room Vendors as a turn key project, the Consultant will be responsible for preparation of the specifications of this facility and

help the Institute in selecting the suitable vendor for its construction. Consultant will be responsible for the completion of the GMP facility within the specified time frame.

8. Commissioning of the building and validation of the different laid down parameters as per current cGMP/GLP guidelines, by certified external agencies, to facilitate the Institute in obtaining approvals by the National and International regulatory authorities such as Drug Controller General of India (DCGI) and Food and Drug Administration (FDA, USA), for the use of the building for generation of clinical grade stem cells for treatment of patients.

II. Pre-Qualification Criteria:

1. The Consultant must have completed a minimum of 2 Projects of similar nature and approximate area, compliant with the latest GMP/GLP guidelines laid down by regulatory authorities, in the past 5 years. Certificates of satisfactory and timely completion of these projects will have to be submitted.
2. The Consultant must be able to demonstrate that he/she has a core team of adequate number of qualified specialized consultants for all the engineering services and the interior works with expertise in designing, project management and commissioning of similar projects having GMP suites/GLP Labs and animal experimentation/*in vitro* research labs and their associated facilities and services.
3. The Consultant must have a Project Management Team of engineers for on-site monitoring of the execution of the construction work.
4. The Consultant will have to submit the list along with the bio-data of the key technical and managerial personnel in his /her team and clearly state their role /involvement in this project work.
5. The Consultant's bio-data and previous projects done by him/her should reveal him/her to have thorough knowledge, technical competence and proven track record of planning, architectural designing, preparation of project report, execution, and commissioning of similar projects. He/she should be registered with Council of Architecture.
6. The Consultant must have to submit a declaration that he/she or his/her Company has not been blacklisted /debarred by any Govt. organization.

III. Evaluation Criteria:

- (i) Company Profile
- (ii) Qualified Core-Group
- (iii) Experience of the Consultant in similar Projects

IV. General Terms and Conditions:

1. The Consultant should submit their pre-qualification bid along with the following details:
 - (i) Complete Company profile
 - (ii) Organization chart along with bio-data of the key technical and managerial personnel in the team of the Consultant
 - (iii) Project specific deployment details and the escalation matrix.

- (iv) Details of similar projects completed along with photographs of the major facilities of these projects, drawings and certificate of completion and commissioning from the clients.
- (v) Certificate of registration with Council of Architecture.
- (vi) Last income tax clearance certificate.
- (vii) A declaration that the Consultant or his/her Company has not been blacklisted /debarred by any Govt. organization.
2. The Pre- qualification bid offers shall be submitted in sealed envelopes super scribed as “Pre- Qualification Bid Consultancy Tender for Stem Cell Research Centre, SGPGI, Lucknow”, submitted in Office of **EE (Hospital), Rm No 205, First Floor, Administrative Block, Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Raebareli Road, Lucknow-226 014, on or before Oct 15th, 2009 up to 16:00 hours (IST)**. The Offers shall be valid for six months from the date of submission of the tender.
 3. The term “Similar Projects” in this tender means planning, designing, testing and commissioning of the specialized construction projects of at least approximately same area, having GMP suites/GLP Labs and animal experimentation/*in vitro* research labs and their associated facilities, systems and services including civil works, electrical and electronic system, HVAC, plumbing, interiors, fire fighting etc.
 4. Those who qualify in the pre-qualification bids shall be called for presentation and conferencing.
 5. The Director reserves the right to accept or reject any or all pre-qualification bids without assigning any reason thereof.

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DIRECTOR

ANNEXURE-1: Proposed Labs and Facilities in the Setm Cell Research Center

[A.] Class 10,000 Stem Cell Production Facility:-

S. No.	Facility	Approx Size (Sq Ft)
1	Production Labs x 3	300 each
2	Change Rm-1 x 2 (1 male=1 female)	60 each
3	Change Rm- 2 x2 (male and female)	60 each
4	Change Rm-3	50
5	Clean Corridor	W:5 L: production to QC lab
6	Quality Control Lab	175
7	Sample receiving/dispatch room	80
8	Material Transfer Rm & Ante room	175
9	Cryo Lab-1	150
10	Cryo Lab-2	125

11	Gas Cylinder bank	64
12	Documentation Room x 2	199 each
13	Store x2	100 each
14	Office of QC manager	100
15	Office of Production Manager	100
16	Office of Technical Staff	100
17	Toilets x 2 (male and femal)	80 each
18	AHU Rm (No to be decided by HVAC consultant)	500

[B.] In Vitro Research Facility

S. No.	Facility	Approx Size (Sq. Ft.)
1	Change rm complex x 2 (male and female)	150 each
2	Molecular Biology Lab Complex: -DNA isolation lab - PCR lab -RNA isolation lab -RT-PCR lab (size: -Common post-PCR lab -Micro array lab -Genetic transduction labs -Connecting corridor (5 ft. wide connecting GPL labs to rest of the complex)	1500
3	Cell culture Lab Complex: -Culture rm x4 -Male change rm -Female change rm -Gas cylinder bank cum store -Connecting Corridor	1200
4	Immunogenetics lab	
5	Flow cytometry lab with sterile sorting facility	250
6	Microscopy lab complex: -Fluorescent microscopy lab -Con focal microscopy -Immuno histochemistry lab	300
7	Cold rm	36
8	Cryo rm x2	100 each
9	Proteomics lab	150
10	General research lab x 2	300 each
11	Documentation rm x 2	100 each
12	Ice maker rm	64
13	Core equipment lab	200
14	Washing rm	100
15	Sterilization rem	150
16	Milli-Q Water Plant rm	100
17	Tiolets x 2 (male, female)	80 each

18	Scientist rm x 6	100 each
19	Computer- internet cum common rm for students	225
20	Seminar rm	300
21	Conference rm cum library	300
22	Pantry	150
23	General Stores x 3	150 each
24	Office of the stem cell research center including rm for photo copier and stationary store	
25	Office of the nodal officer with attached toilet	250
26	Lobby for visitors	150

[C.] Pre-clinical Animal Experimentation and Imaging Facility

S. No.	Facility	Approx Size (Sq Ft)
1	Animal Experimentation complex: -Change rms x 2 -Pre-transplantation rms x 2 -Transplantation labs x 2 -Post-transplantation rm -Material transfer room -Documentation rm -Store	1200
2	Animal Imaging Complex: -Echo lab -CT-SPECT lab -PET lab -MRI lab	400
3	Animal histology lab	200
4	Animal pharmacology lab	150
5	Data storage rm	100

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