

IISc Medical School Foundation-RFQ for PMC and Coordination for 66/11kV GIS SS

REQUEST FOR QUOTATION (RFQ)

**FOR PROJECT MANAGEMENT CONSULTANCY AND CO-ORDINATION WORKS FOR ESTABLISHING
2X12.5MVA, 66/11KV GIS SUBSTATION FOR MEDICAL RESEARCH CENTRE AND CONNECTED
HOSPITAL ALONG WITH EXTENSION OF 66KV UG CABLE FROM PROPOSED 220KV/66KV SS FOR IISc
MEDICAL SCHOOL FOUNDATION AT IISc CAMPUS, BANGALORE.**



RFQ DOCUMENT

**Project management consultancy and co-ordination works for establishing 2x12.5 MVA, 66/11kV GIS
Substation**

**Director,
IISc Medical School Foundation, Bangalore – 560012.**

RFQ for Project management consultancy and co-ordination works for establishing 2x12.5 MVA, 66/11kV GIS substation for Medical Research Centre and connected hospital along with extension of 66kV UG cable from proposed 220 kV/66 kV SS for IISc Medical School Foundation at IISc campus, Bangalore.

I. Background:

IISc Medical School Foundation at IISc campus, Bangalore invites an expression of interest from Electrical Consultant firms to participate in design competition for the works for establishing 2 x 12.5 MVA, 66/11kV GIS substation at IISc campus for medical research Centre and connected hospital along with extension of 66kV UG cable from proposed 220kV/66kV SS at Mathikere in Bangalore city.

Indian Institute of Science is a premier research institution of India. In 2011, exactly 100 years after the first batch of students joined IISc in 1911, the Institute began offering a unique 4-year Bachelor of Science (Research) degree program. This program is tailored to offer specialization in a science subject and the knowledge imparted carries a strong flavour of engineering and an exposure to social science disciplines.

Apart from IISc being ranked in the top 100 schools in the world (Shanghai rankings,2013), it was ranked 8th globally in the “best small universities” category by the Times Higher Education or THE Rankings (2017).

IISc is planning for establishing 2 x 12.5 MVA, 66/11kV GIS substation at IISc campus for medical research Centre and connected hospital along with extension of 66kV UG cable from proposed 220kV/66kV SS at Mathikere in Bangalore city.

The intents:

1. To deliver integrated technical consultancy services, Project placement, Preparation of Project Profiles, Preparation of Technical Reports, General Guidance, Technical and Commercial Counselling for setting up and completion of the project, following the set processes of IISc Medical School Foundation at IISc campus, Bangalore.
2. To make thorough analyses to understand project requirements and identify potential risks, ensuring strategies which are well-informed and data-driven by leveraging their industry / domain expertise.
3. To provide recommendations to optimize processes, reduce costs, and enhance efficiency.
4. To provide management services required for smooth implementation of the project typically through EPC contractors.
5. To provide management advice/guidance to IISc in defining scope and interfaces of various agencies.
6. For evaluation / award etc. and be responsible for the overall co-ordination and integration of responsibilities of all agencies engaged in the implementation of the entire project.

The phases:

The PMC services are utilized across the following Project Phases

- a. Pre project phase

- b. Power sanction to an extent of 10 MVA
- c. Preparation of Detailed Project Report (DPR).
- d. Process Design and FEED phase
- e. Preparation of Invitation to Bid(ITB) for EPC and evaluation for award.
- f. Management and Monitoring of EPC contract till completion and ensuring power supply to the premises.

This will be a single stage competition where the credential submitted by the short-listed consulting firms will be evaluated and one Firm will be selected.

II. Eligibility Criteria:

a. Registration-

The Consultant should have a valid proprietary firm / a company registered as per company's act with valid GST / TIN services.

(The valid certificate of incorporation along with the registration for GST to be enclosed)

b. Experience:

The consultant should have experience in offering consultancy services for a minimum of three works of 66 KV substation and 66 KV UG cables during the last five years.

(The proof for experience to be enclosed includes work order, BOQ and Completion certificate)

Or

The consultant should have executed a minimum of five works of 66 KV and above substation and 66 KV and above of UG cable in the past five years.

(The proof for experience to be enclosed includes work order, BOQ and Completion certificate)

Or

The consultant should be associated with an EPC contractor who have executed a minimum of eight works of 66 KV and above substation and 66 KV and above of UG cable in the past five years.

(The proof for association, experience to be enclosed includes work order, BOQ and Completion certificate)

c. Past Assignment-

The Consultant Firm must have at least one completed project handled in the past equivalent to or above a budget of more than **Rs 40 crore** in the last five years.

(The proof for experience to be enclosed includes work order, BOQ and Completion certificate)

d. Professional Fees-

Applicant should have collected Professional fees of at least **Rs. 1 crore** per year in the last three financial years.

(The proof for experience to be enclosed includes work order, BOQ, Completion certificate and financial statement)

e. Education and Experience of the personnel employed-

The consultant should have a panel of experienced engineers for project consultancy and project management as under:

- i. At least two engineers with bachelor's degree in Electrical Engineering with a minimum experience of 10 years in the field of design, planning and implementation of 66 KV and above class GIS / AIS projects
and
- ii. At least one engineer with bachelor's degree in Civil engineering with a minimum experience 10 years in the field of design, planning and implementation of similar projects.
and
- iii. The engineers should have worked in any electrical utility in India.

(The documentary proof for experience to be enclosed)

In addition, the consultant should have experienced engineers for project management aspects as under:

- i. At least one engineer with bachelor's degree in Electrical / civil Engineering with a minimum experience of 5 years in the field of project management aspects of 66 KV and above GIS / AIS projects, to be a site in charge engineer. (The site in charge engineer shall also coordinate with the site in charge of this project of IISc and EPC contractor).
- ii. At least one engineer with bachelor's degree / diploma in Electrical / civil Engineering with a minimum experience of 3 years in the field of execution aspects of 66 KV and above GIS / AIS projects, to be a site engineer. (The site engineer shall report to the site in charge of this project of the consultant
(The documentary proof for experience to be enclosed)

f. Declaration for Transparency- Applicant should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Govt. of India/ State Govt.

(Please submit self-declaration format as per Annexure duly sealed and signed)

III. SCOPE FOR PROJECT CONSULTANCY AND PROJECT MANAGEMENT CONSULTANCY WORKS:

Expected Cost of project is around **Rs. 50 crores.**

Stage 1 – Project consultancy:

- a) Site inspection and mark the location for the proposed substation and the UG cable route in IISc premises.
- b) Apply for power sanction to Bescom / KPTCL.
- c) Secure power sanction from Bescom / KPTCL
- d) Secure approval of the proposed scheme by KPTCL including single line diagram.

Stage 2 – Project consultancy

- a) Preparation of Detailed Project report.
 - i. Conducting detailed survey for 66 kV UG Cable to get the route for the alignment
 - ii. Securing approval from KPTCL for the route of the UG cable
 - iii. Preparation of lay-out drawing
 - iv. Conducting geo soil investigation at IISc sub-station premises to evaluate foundation requirements and levelling
 - v. Assessing the material / equipments required for GI station, GI Terminal Bay, UG cable Line and Metering cubicle arrangements
 - vi. Assessing the quantum of civil works including design of control room, Transformer foundations, cable ducts, UB cable trenches etcetera involved in establishing the 66kV GIS at IISc campus, GI terminal bay at Mathikere and cable routing from Mathikere to IISc premises.
 - vii. Preparation of route drawing of UG cable and incorporating / superimposing this route in BBMP soft map
 - viii. Obtaining Earth mat design from R&D, KPTCL
- b) The DPR shall be prepared
 - i. As per the schedule of rates followed by KPTCL, KPWD and market rates wherever KPTCL SRs are not available).
 - ii. Considering the modified landscape of the bifurcation of the medical research activities and the IISc.
- c) Discussions with IISc Medical School Foundation regarding the contents of the DPR.
- d) Preparation of tender documents as per technical specification of KPTCL, the ground rules of IISc Medical School Foundation at IISc campus, Bangalore and the period of completion.
- e) Preparation of notice inviting tender for the works for calling open tenders on two-part basis (technical and price basis).
- f) Assisting IISc Medical School Foundation at IISc campus, Bangalore for evaluation of the bids received for technical evaluation.

- g) Discussions with IISc Medical School Foundation to finalize technically qualified bidders.
- h) Assisting IISc Medical School Foundation for evaluation of the bids received for commercial evaluation
- (i) Assisting IISc Medical School Foundation for the issue of Letter of Intent for the successful bidder, project executing agency.

Stage 3 – Project management consultancy:

- a. The works are intended to commence from the date of issue of LOI.
- b. Assisting IISc Medical School Foundation for the issue of Detailed work award for the successful bidder
- c. Preparation of layout drawings for approval of Electrical Inspectorate – 2 stage approval
- d. Preparation of document for approval of PTCC (power and telecommunication co-ordination committee) – 2 stage approval
- e. Getting road cutting permission from BBMP / getting approval from traffic police for laying 66 kV UG Cable and OFC
- f. Material inspection by KPTCL for the materials procured for GI terminal bay, Metering equipments , UG cable and accessories.
- g. Inspection of equipments / materials other than (f) for 66 kV GIS sub-station along with one representative of IISc. The cost towards this is to be included in the bid.
- h. Supervision of execution of the works for quality and safety.
- i. Arranging pre commissioning tests for metering portion, Terminal bay and UG cable.
- j. Pre commissioning tests and SAS integration of 66KV station.
- k. Secure completion report from the project executing agency.

Stage 4 – Project management consultancy

- a. Secure approval from the Electrical Inspectorate department for commissioning
- b. Commissioning of Station, Terminal Bay and UG cable line.

Stage 5 – Project management consultancy

- a. Completion of all the sundry works associated with aesthetic looks and gardening / finishing
- b. Documentation and submission to IISc Medical School Foundation and KPTCL.

EXCLUSIONS:

1. Statutory payments to secure Road cutting permission from BBMP, as per intimation received by IISc Medical School Foundation.
2. Payment to be made to KPTCL for Earth mat design from KPTCL, as per intimation received by IISc Medical School Foundation.
3. Payment to be made to KPTCL for inspection of materials which are in KPTCL domain, as per intimation received by IISc Medical School Foundation

4. Payment for inspection and pre commissioning tests by KPTCL, as per intimation received by IISc Medical School Foundation
5. Statutory payments for electrical inspectorate for approval of the drawing and commissioning, as per intimation received by IISc Medical School Foundation

IV. Criteria for Shortlisting:

The shortlisting of consultant/firms will be done by a committee set up by Competent Authority, IISc Medical School Foundation.

The criteria used for evaluation would be:

Sl.No.	Criteria	Weightage
1.0	Total Experience	20
1.1	Consulting practice experience in number of years.	06
1.2	Past Assignments- Experience in dealing with similar Projects listed under II	14
2.0	Technical Aspects	60
2.1	Expertise and experience of key personnel (Separate list of permanent staff with proof of EPF Payments and Temporary staff to be enclosed along with educational qualification certificates and details)	20
2.2	Quality of past projects relevant to the current project listed under II	40
3.0	Financial strength	20
3.1	Professional fees collection figure for last three years	20

Documents required for validating eligibility criteria.

- a. Registration- Certified copy of valid proprietary firm / a company registration with name and address.
- b. Experience- Certified copy of Work orders & Completion certificate.
- c. Past Assignment- Details of past projects equivalent to or above Rs 40 crore in the last five years. These projects should involve design of academic campuses, research labs, corporate R&D buildings, Electricity distribution companies etc.
- d. Professional fees of at least Rs. 1 crore per year in the last three financial years.
- e. Education and Experience of the personnel employed

Tenders are invited from eligible bidders who are qualified and meet the requirements mentioned in this document. The quote shall be in two separate sealed envelopes. One sealed envelope marked as "Envelope-A" to contain the technical requirements of the tender and another sealed envelope marked as "Envelope-B" to contain the price bid. The price bid shall be on percentage basis of the cost of the detailed project report. Both these separately sealed envelopes shall be placed in a single sealed cover, marking as quotations for Project management consultancy and co-ordination works for establishing 2 x 12.5 MVA, 66/11kV GIS substation for Medical Research Centre and connected hospital along with extension of 66 kV

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PAYMENT SCHEDULE FOR THE PROJECT CONSULTANCY WORK OF 66/11 kV GIS SUBSTATION:

The complete electrical design consultancy services for 66/11kV GIS substation is to be quoted as % of the total estimated cost.

STAGES	SCOPE OF WORKS	TIME DURATION	CONSULTANCY PAYMENT (%)	CONSULTANCY RATE (%)
Stage 1	Site Inspection/Power sanction to BESCO/KPTCL	April 2025 – June 2025	30%	-----% To be quoted by the bidder in single % (percentage) only with respect to the estimated cost
Stage 2	DPR/Tender Process – Preparation of DPR/Tender preparation/Tender floating/Evaluation & Award of work	April 2025 – June 2025	20%	
Stage 3	Project Execution/Road cutting/Material Inspection/Pre-Commissioning tests	July 2025 – February 2026	30%	
Stage 4	Statutory Approval/Commissioning	February 2026 – March 2026	10%	
Stage 5	Completion of all Sundry works/ Documentation Closure	February 2026 – March 2026	10%	

RFQ with all enclosures should be submitted only in hard copy to the address:

“The Director, IISc Medical School Foundation, Office of Admin Deans, Main Building, IISc Bangalore, Pin-560012” in a sealed cover subscribing as “**Consultancy services for Establishing 2x 12.5 MVA, 66/11kV GIS substation at IISc campus for medical research Centre and connected hospital along with extension of 66kV UG cable from proposed 220kV/66kV SS at Mathikere in Bangalore on or before 5 p.m. on 22.04.2025.**”

Late submissions will not be considered.

IISc Medical School Foundation reserves the right to reject any/or all the RFQ without assigning any reasons whatsoever.

Annexure-I

(Self-Declaration Format)

Ref. No.:

Date:

To,

The Director

IISc Medical School Foundation,

Office of Admin Deans, Main Building

IISc Bangalore, Pin-560012

With reference to my/our expression of interest to IISc Medical School Foundation, it is hereby declared that I or (the name of the firm) was not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period by any Govt or other agency.

I or (the name of the firm) also declare that there are no contractual restrictions or legal disqualifications or other obligations which will prohibit me/us from entering this bid and each and every statement and particulars contained herein are correct.

Signature of the Applicant with name and seal

Date:

Place: