

**MINUTES OF THE PRE-BID MEETING OF ARCHITECT SELECTION COMMITTEE
OF IIT MANDI HELD ON 31st JANUARY, 2011**

The Pre-bid meeting of Architect Selection Committee Meeting for the development of main campus of IIT Mandi at Kamand (H.P.) was held on 31st January, 2011 at 10.00 AM at Academic Block, Board Room, of IIT Mandi.

Following attended the meeting:

- | | | |
|---|--|-----------------|
| 1 | Prof. Subrata Ray
Professor of Metallurgical & Materials
Engineering, IIT Roorkee
Roorkee - 247 667 | Chair |
| 2 | Dr. Ravindra Gettu
Professor of Civil Engineering
Indian Institute of Technology Madras
Chennai – 600036 | Member |
| 3 | Prof. R. Shankar
Department of Architecture & Planning
IIT Roorkee,
Roorkee 247 667 | Member |
| 4 | Dr. D. K. Paul
Professor of Earthquake Engineering
IIT Roorkee,
Roorkee - 247 667 | Member |
| 5 | Mr. N. K Negi
Sr. Architect, HUDCO
New Delhi | Member |
| 6 | Dr. Arunava Dasgupta
Associate Professor
Department of Architect and Planning
School of Planning and Architect
New Delhi | Member |
| 7 | Prof. T. A. Gonsalves
Director, IIT Mandi
Mandi- 175001 | Special invitee |

8	Er. P. K. Gupta PE-cum-EO Indian Institute of Technology Mandi Mandi – 175001 (HP)	Special invitee
9	Prof. B. K. Mishra Dean Planning (Incharge) IIT Mandi	Special invitee
10	Dr. R.C. Sawhney, Registrar, IIT Mandi Mandi – 175 001	Member

The following members could not attend the meeting due to other commitments:

- 1 Dr. V.K. Gupta
Professor of Civil Engineering
IIT Roorkee,
Roorkee -247 667
- 2 Architect Narendra Kumar
Chief Architect, Sahara Hospital,
3/98, Vivek Khand,
Lucknow
- 3 Er. Shukal Kumar Malhotra
Engineer-in-Chief (Retd.)
2037, Sector-4,
Gurgaon-122001
- 4 Dr. S.P. Gupta
Professor of Electrical Engineering
IIT Roorkee,
Roorkee 247 667
- 5 Dr. I. K. Bhat
Professor, Applied Mechanics
Department , MNNIT
Allahabad – 211004
- 6 Er. Krishna Kant
Retd. Chief Engineer, CPWD,411
Sector - A, Pocket C
Vasant Kunj, New Delhi-110070

- 7 Dr. R. J. Ranjit Daniels
Managing Trustee
Care Earth Trust No 5, 21st Street,
Thillaiganganagar
Chennai 600 061
- 8 Er. Salek Chand
Institute Engineer
IIT Roorkee,
Roorkee 247 667

At the outset, the Chair welcomed all the honourable members and introduced them to the architects who came to attend the pre-bid meeting. He also requested all the participating architects to introduce themselves and thanked them for submitting Expression of Interest to participate in the process of selection for providing architectural consultancy services to IIT Mandi. The following representatives of the bidders who were shortlisted by the Architect Selection committee in the meeting held on 15th January, 2011 at IIT New Delhi attended the meeting:-

Sr. No.	Name of the representative	Name of the representation firms
1	Mr. Rajesh Ayodhyawasi	Consulting Engineering Services (India) Pvt. Ltd. 57, Nehru Place (5 th floor) New Delhi-110019
2	Mr. Rahul Surin	ADP Architecture 9812, Sector-C Pocket 9, Vasant Kunj New Delhi
3	Mr. Eldoalias	Bose Brothers Architects D-21, Connaught Place New Delhi-110001
4	Mr. Rishi Dhody	Arcop Associates Private Limited E-106, Ground Floor, Greater Kailesh Enclave-1 New Delhi-110048
5	Mr. Arunava Sarkar	Building Design Partnership Architecture, Engineering Pvt. Ltd L-20 Green Park Main New Delhi – 110016
6	Mr. Manmohan Singh	BURT HILL DESIGN PVT LTD. Architecture, Engineering, Interior Design, Branding, Landscape, Master Planning USA,UAE, INDIA

		71-72 Titanium, Corporate Road, Near Prahlad Nagar, Auda Garden, Satellite Ahmadabad - 380015
7	Mr. Jaspreet Bedi	The Architectural Grid Urban Design Interior Architecture E-339, Greater Kailesh-1 New Delhi-110048

Prof. T. A. Gonsalves, Director, IIT Mandi also extended a warm welcome to all the members and representatives of the firms who came to attend the pre-bid meeting. The meeting started with a presentation by Prof. Gonsalves who gave an overview of the vision and mission of the Institute and also shared the short as well as long term road map of the Institute. He requested the participating architects to follow basic architectural principles while developing the master plan for the new campus and stressed a need for planning the new campus in which (i) student / faculty should not need a powered vehicle within the campus (ii) minimal use of powered vehicles in the academic areas (ii) academic space (faculty offices, research scholar space, research labs) designed to facilitate inter disciplinary research and collaboration (iii) provision for outdoor classes (iv) spaces for informal gatherings (v) a lighting system in harmony with the nature (vi) facilities that can help the public and visitors to be located close to the entrances / public roads (vii) decentralized administration units located close to the faculty / students whom they serve (viii) optimum use of available natural resources (xi) architectural designs that are sustainable, and in harmony with the natural setting and the traditions of the region (x) flexible master plan to cater to unanticipated needs for the next 100 years (xii) classrooms, labs and conference centers with an easy access to physically challenged individuals. The presentation made by the Director is attached as Appendix-A

Dr. Arunava Dasgupta from SPA, New Delhi requested the participating architectural consultants to keep in mind the following while designing the campus:

- 1) ENVIRONMENT SENSITIVITY
 - Response to Natural & Ecological Setting (In relation to ECO-report) so as to contribute to natural environment rather than consume / exploit
 - Environment management strategies – Energy / Waste / Water
 - The project is to be a worthy example of Man-Nature interface
 - Innovative / Alternative Technologies and construction systems

- 2) FUNCTIONAL EFFICIENCY
 - Disposition of functional groupings with reference to available site parcels in different locations
 - Circulation & Movement
 - Phasing & Future Growth
 - Definition of Space – Activity Relationships

- 3) FORM, SPACE & EXPRESSION

- Disposition of built form in consonance to physical terrain & natural characteristics
- The project is to be an innovative example of Hill (Himalayan) architecture & continuity with the regional vernacular.
- Open-space based layout – “place making” strategies
- Promotion of diversity of architectural character within an overall, unifying vocabulary to establish the identity of the campus

4) EXPERIENCE

- As appropriate for a center of inspiration, learning & reflection.
- Promotion of a lively, vibrant, social environment & sense of belonging
- Maximizing visual & sensory potential of site with proposed configuration of built form, space & activity.

Prof. D. K. Paul, Professor of Earthquake Engineering, IIT Roorkee shared the Geotechnical Investigation Report of the new Kamand site of IIT Mandi with the Committee members and the participating Architectural firms and informed that the new site is located in the earthquake seismic Zone-5. He requested that while planning the construction activities the stability of the slopes of the terrain should be kept in mind.

Prof. Subrata Ray, Chairman, Architect Selection Committee explained to the architects about the scope of the work and discussed in details the modified pre-bid document outlining different work stages like - Stage-I - Pre-Design Stage, Stage-II & III- Design and Approval Stage, Stage-IV – Working Drawing stage, Stage-V&VI - Tender Document & Award of Work Stage, Stage-VII - construction Stage, Stage –VIII - Completion Stage and also detailed scope of work regarding design of individual buildings. He also briefed about the payment schedule as well as time frame for developing the master plan. He requested the participating architects to go through the complete pre-bid document again and requested the members to address the queries of the participating architects. The questions raised by the participating architects and answers provided by the committee members are as under:

Sr no.	Question	Answer
1	Can primary data of the contour map be provided?	IIT Mandi will upload on its website whatsoever data is available
2	Can the climate data like annual rainfall, temperature variations, wind pattern, solar chart and the humidity be provided?	IIT Mandi will try to get this information from IMD. However, the micro climatic data of the new site, Kamand should be collected by the Architects themselves.
3	What is the status of the ground water, recharge?	Efforts will be made by IIT Mandi to obtain these inputs from Archeological Survey of India.
4	What is the type of vegetation and wild life at the new site?	The information is available in the Eco report provided.

5	How many A ₀ drawings should be submitted at stage-I? Whether B&W or colored drawings are to be submitted?	Numbers of drawing limited to 10 only of size A ₀ are to be submitted. Number of views should be as required for the presentation within 30-45 minutes of duration. B & W or color drawings may be submitted.
6	Whether 3D Model is to be submitted at Stage-I?	It is optional
7	The partitionable Auditorium may have Eco effects! Is it acceptable?	The Architect should design a partitionable auditorium which should have no Eco effects
8	Are the drawings to be submitted in editable or PDF format?	All drawings shall be prepared in auto CAD and submitted to IIT Mandi in editable as well as in PDF form.
9	Will the Architect selected have to obtain certification for GRIHA-4?	The Architect selected has to submit compliance report of GRIHA-4 along with all the documents required for certification.
10	Is the Architect fee to be paid limited to 80,000 m ² only?	Yes.
11	How many persons are to be placed by the Architects at the site and how many visits he should make?	The architect selected has to establish an office at the site and one graduate Architect & one graduate engineer are to be placed for day to day functioning at the site. It is necessary to make visits linked with the construction stage.
12	At every stage how many sets of drawings are to be submitted?	Only ten sets of drawings with soft copy are to be submitted.
13	What is the primary source of water?	Uhl river flowing adjacent to the site is the primary source of water.
14	The proof checking takes lot of time. Is it necessary?	Proof checking is essential and should be built in the time schedule.
15	What are the parking norms for the new campus?	The parking norms are to be evolved by the Architects.
16	What are the model construction guidelines and by laws for the new site?	Construction by-laws for the Mandi town can be made available, whereas bye laws for Kamand township are yet to be formulated.
17	Since the architects are being paid at	The deposition of EMD in appropriate bank

different stages of work accomplished, payments of Rs. 10 lacs as EMD should not be charged. instruments like FD, bank guarantee or DD is mandatory under institute rules.

It was decided that the minutes of the pre-bid meeting should be put on the Institute website, so that the shortlisted architects who could not attend the meeting are also benefited from today's deliberations. It was also decided that all the shortlisted architects may address additional queries, if any, to the Registrar, IIT Mandi by e-mail till 10/02/2011 to facilitate submission of Stage – I proposals.

The meeting ended with a vote of thanks to and by the chair.

(Dr. R. C. Sawhney)
Registrar