

**PROCEEDINGS OF THE 6th MEETING
OF THE
BUILDING AND WORKS COMMITTEE**

HELD ON

THURSDAY, 07th OCTOBER 2010



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING (IIITD&M)
KANCHEEPURAM**

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING (IIITD&M), KANCHEEPURAM**

Proceedings of the 6th meeting of the Building and Works Committee held at 10 a.m. on Thursday, 7th October 2010 in the II Floor, Conference Room, Administrative Block, IIT Madras campus, Chennai.

Members Present

Prof. R. Gnanamoorthy Director, IIITD&M	Chairman
Prof. S. Narayanan Dept. of Mechanical Engineering IIT Madras	Member
Mr. R. Arumugam Superintending Engineer IIT Madras	Member
Mr. R. Murali* Executive Engineer (Electrical) CPWD, Chennai	Member
Mr. A. Manickavasagam Estate Officer, IIITD&M	Member (Secretary)

Leave of absence was granted to Smt. Pratima Dikshit, Director (Technical) MHRD.

*Mr. R. Murali has been deputed to attend the meeting.

The Chairman welcomed the members to the meeting.

Item No.1 Accord of approval for the built up area to be taken up in the New campus at Melakottaiyur

Resolution The Committee was informed about the stages of infrastructure development of the permanent campus of the Institute considered at the time of allotment of 101.75 Acres for the Institute. As the large ground area was available and horizontal expansion was possible, at that stage, it was decided to go for development in phases. Accordingly

the EoI was called for approx built up area of 69,000 sq. m and initial design was limited to 55,000 sq. m although the built up area required to cater the student intake of about 1200 is approx 1,20,000 sq. m as per the details given.

Facilities	Built-up Area (in sq.m)
1 Admn building	4500
2. Class room campus	7500
3. Laboratory and research campus	20000
4. Auditorium	3000
5. Student activity and other public facilities	3000
6. Library	3000
7. Design studio	4500
8. Boys hostel 1200 bed	26900
9. Girls hostel	11000
10. Transit hostel 50 units	4600
11. Guest house 50 rooms	2500
12 Faculty housing 80 units	18000
13 Staff housing 80 units	11000
14. Service station, Director bungalow etc	500
Total	1,20,000 Sq.m.

Further it was informed that due to reduction in the extent of land, it was felt desirable to go in for vertical expansion with a limited horizontal expansion and it is advisable to proceed with the infrastructure development for the built-up area by 1,20,000 sq. m. After detailed deliberations, the Committee **RESOLVED** to recommend to the Board to take up 1,20,000 sq m built up area for construction of the new campus.

Item No.2 Restarting Master Plan and Detailed Design of buildings of IITD&M permanent campus based on the newly allotted area.

Resolution The Committee noted that while preparing EoI on 22.11.2008, it was
No.4/2010 decided to proceed with an initial development for approximately estimated as ~ 69,000 sq. m, since the land granted on lease was about 100 acres and significant horizontal expansion was possible. Consequent on the issue of new GO granting 50 acres of land free of cost, the Committee felt that Institute may contact M/s. CPG Consultants India Pvt. Ltd., Bangalore to restart the Master Plan and Detailed Design of buildings of the new campus. The Committee was explained in detail that due to reduction in the extent of land the Institute may go for vertical expansion with a limited horizontal expansion and due to this the built up area would go up to 1,20,000 sq.m for the student strength of 1200. As the buildings will be multistoried and advisable to be developed at a stretch, the Committee **RESOLVED** to recommend to the Board entrusting the additional area of 65,000 sq.m. to the same Architect at the rate of Rs.276/- per sq. m. as per original quote.

Item No.3 Award of additional work to M/s. CPG Consultants India Pvt. Ltd. for GRIHA 3/4 star rating

Resolution The Committee was informed that the Board in its 13th meeting held on
No.5/2010 16.9.2010 has approved giving additional work to the Consultant Architect M/s. CPG Consultants India Pvt. Ltd. for reaching GRIHA 3/4 star rating at a mutually agreeable rate in accordance with the MHRD guidelines to make the campus GRIHA compliant. The Chairman presented the additional works involved to achieve 3/4 Star GRIHA Rating as follows:

- Overall facilitation to obtain 3/4 Star GRIHA rating for the buildings
- Conduct feasibility study along with the council members to draw broad specification for the project
- Facilitate the project design team to select materials/equipment

to meet the rating requirement.

- Vet the tender document to ensure that the tender technical specification meets the rating norms
- Prepare and provide all necessary templates for the design team
- Facilitate project team in preparing the documentation as stipulated by GRIHA.
- To filter, cross validate, verify consistency, add value and consolidate to make the document suitable for submission to council
- Conduct the performance evolution with the support of BEE certified energy auditor to obtain the final rating

The broad scope of Energy Simulation is as follows:

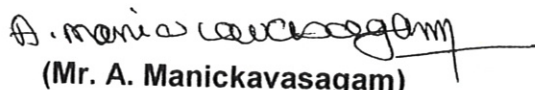
- Develop ECBC base-case assumptions for GRIHA certification
- Modeling assumptions and schedules for the project
- Base case simulation including validation and debugging
- Identification of improvements and alternatives (Energy Conservation Measures - ECMs)
- Validation of individual ECM results
- Prioritizing and evaluation of combined ECMs
- Incorporating changes required in the modeling subsequent to the I review.

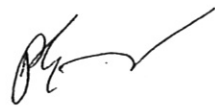
The Committee was informed that M/s. CPG Consultants have quoted a lumpsum of Rs.50 lakhs for carrying out the above work and to modify the design accordingly. The Infrastructure Advisory Committee met on 27.9.2010 to negotiate with M/s. CPG Consultants for further reduction in the rate and they have finally agreed for Rs.40 lakhs (Annexure A). For carrying out the above works and to ascertain the market value, M/s. The Energy Resource Institute (TERI) was also contacted. The cost to carry out work inclusive of travel, taxes, overheads etc., works out to be approx Rs.43.50. In addition the opinion of Ms TERI needs to be executed through the Architect and

there will be additional cost in case of major changes.

The Committee felt that awarding this work as an additional extra work to M/s. CPG will be in the interest of the Institute since the coordination of certification work will be easier and faster. After detailed deliberations, the Committee **RESOLVED** to recommend the above proposal to the Board.

The meeting concluded with thanks to the Chair.


(Mr. A. Manickavasagam)
Secretary


(Prof. R. Gnanamoorthy)
Director and Chairman