



**National Institute of Technology**  
Rourkela – 769 008(Orissa)

**Minutes of the 10<sup>th</sup> Meeting of the Building and Works Committee, National Institute of Technology, Rourkela held on 9<sup>th</sup> December, 2009 at 9.30 A.M. in the Board Room at NIT, Rourkela.**

**Members Present:**

- |    |  |     |                       |
|----|--|-----|-----------------------|
| 1. | Prof. Sunil Kumar Sarangi,<br>N.I.T., Rourkela.  | ... | Director and Chairman |
| 2. | Shri Ajaya Kr. Nayak, AGM<br>PL No.917095<br>Civil Engineering, Town Engineering Department,<br>SAIL, RSP, Rourkela. | ... | Member                |
| 3. | Shri Vinod Kr Shrivastava, AGM<br>PL. No.041492<br>Refrigeration & Air Conditioning, RSP.,<br>SAIL, RSP, Rourkela    | ... | Member                |
| 4. | Prof. J.K. Pani,<br>Dean(PD), Civil Engg., NIT., Rourkela.   | ... | Member                |
| 5. | Er. S.K. Upadhyay  | ... | Registrar & Secretary |

**Invitee**

- |     |  |     |         |
|-----|--|-----|---------|
| 6.  | Prof. J.K. Satpathy,<br>PIC, Electrical Const., NIT, Rourkela.   | ... | Invitee |
| 7.  | Prof. S. P. Singh,<br>PIC, Civil construction, NIT., Rourkela.   | ... | Invitee |
| 8.  | Prof. C.R. Patra,<br>PIC, Civil Maint., NIT Rourkela.            | ... | Invitee |
| 9.  | Prof. A. K. Panda,<br>VP, Civil Engg, NIT, Rourkela.             | ... | Invitee |
| 10. | Prof. A. K. Sahoo<br>VP, Civil Engineering Dept., NIT Rourkela   | ... | Invitee |
| 11. | Prof. Y.K. Sahu,<br>VP, Electrical Engg., NIT Rourkela.          | ... | Invitee |
| 12. | Mr. S. P. Mohaptra,<br>AEE (Civil), Estate Office, NIT Rourkela. | ... | Invitee |

**Members Absent:**

- |    |   |     |         |
|----|---|-----|---------|
| 1. | Mr. Madan Mohan,<br>Director, MHRD (NITs)<br>Dy. Educational Adviser (NIT),MHRD, New Delhi. | ... | Member  |
| 2. | Prof. G.C. Mitra,<br>Retired. Work Secretary,<br>Member, Govt. of Orissa                    | ... | Member  |
| 3. | Prof. K. B. Mohanty,<br>PIC, Electrical Maint., NIT., Rourkela.                             | ... | Invitee |

The leave of absence was approved for all members absent.

**BWC: 10 (2009) -01:Welcome to the members by the Chairman.**

Prof. S.K. Sarangi, Director, NIT., Rourkela and Chairman, Building & Works Committee welcomed all the members.

**BWC: 10 (2009)- 02: Confirmation of the minutes of the 9<sup>th</sup> Meeting of the BWC.**

The minutes of the 9<sup>th</sup> Meeting sent to the members vide letter No. NITR/BWC-9/283, dt.27.08.2009 were confirmed by the BWC.

**BWC: 10(2009)-03: To report on the action taken on the decisions made in the 9<sup>th</sup> Meeting of BWC held on 19.08.2009 and to discuss matters arising out of the minutes:**

The report on the action taken on the decisions made in the 9<sup>th</sup> Meeting held on 19.08.2009 was presented for consideration of BWC.

<i>Sl. No.</i>	<i>BWC item No.</i>	<i>Item Descriptions</i>	<i>Action taken</i>
01	BWC: 9(2009) -03	To report on the action taken on the decisions made in the 9 <sup>th</sup> Meeting of BWC held on 19.08.2009 and to discuss matters arising out of the minutes.	1. Letter sent to M/s Design Services for consent. 2. Selection of bidders for Institute Main gate is in progress.
02	BWC: 9 (2009) - 04	Review of ongoing Civil Project	Under progress
03	BWC: 9 (2009) - 05	Review of ongoing Electrical Projects	Under progress
04	BWC: 9 (2009) - 06	Discussion on proposed New Projects	Action being taken for selection of Architects and tendering
05	BWC: 9 (2009) - 07	Progress on Construction of new 33/ 0.4 KV. Substation and Electrical network	In progress
06	BWC: 9 (2009) -08	Selection of Architects / Consultants for New construction Projects	Selection Committee meeting was held on 25.10.09
07	BWC: 9 (2009) - 09	Any other Items with the permission of the Chair	Revised deviation statement is being prepared.

**BWC: 10(2009) - 04: Review of ongoing Civil Projects:**

A copy on the progress report on ongoing Civil Projects was put up for consideration of the Committee. The following projects were specifically discussed.

1. The construction of swimming pool is expected to be completed by 31.01.2010, after commissioning of the electro mechanical system by M/s Astral Pvt. Ltd.
2. In the Guest Houses, after completion of air conditioning works, false ceiling work has been taken up by M/s Elite Interiors. In view of the Alumni function in Dec. 2009 and Convocation in Jan. 2010, the work will be expedited.
3. Finishing work of periphery Boundary wall is in progress.

4. On renovation of B type quarters BOQ has been received by the architect. The same is under scrutiny.
5. Revised BOQ is awaited from Architect for Mess staff Barrack and for Extension of Swaminathan and Homi Bhabha Halls.
6. M/s Bose Brothers Architects is expected to deliver the BOQ in first week of January for extension kitchen of Homi Bhabha Hall.
7. BOQ is under scrutiny for renovation of Sewerage system in campus & Hostel area (BOQ & specification was received on 27.11.09).

*(Annexure-A1 Page No. 7-10 )*

**BWC: 10 (2009) - 05: Review of ongoing Electrical Projects:**

A copy on the progress report on ongoing Electrical Projects was presented to the BWC. The following were specifically decided.

1. Two nos. of 250 KVA (or higher capacity) diesel generator sets will be installed in 2 phases for the entire campus. 1<sup>st</sup> phase generator will be installed near Computer Science building to cater to Guest House, Lecturer Gallery & Administrative building etc, which are served by the substation near it. The second generator will be installed near High Voltage Lab.
2. Submission of drawing and detail BOQ are to be made by M/s SATCON by 31.01.2010 for 33 KV Ring Main and substation. Air Conditioning substation details are to be made in consultation with M/s Design Services, in consultation with M/s Design Services, Kolkata, the consultants for the 2<sup>nd</sup> Phase AC work. .

*(Annexure-A2 Page No.11- 12 )*

**BWC: 10 (2009)- 06: a) Construction of New Main Gate for the Institute.**

The outside road leading to the Main Gate is over crowded due to existing and growing market complex. In order to ensure safety, free movement and decency it was necessary to activate the original main gate near Institution of Engineers building. This was agreed in a meeting of the Director with MD of RSP, who ordered removal of encroachment from the area in front of the gate. After RSP cleared the area, necessary steps have been taken to create an appropriate Main Gate. The BWC directed the administration to accelerate the process of Construction so that it can be made ready before the forth coming convocation in January. The administration was also directed to contact WESCO for shifting the electric poles to make way for the gate.

**b) Construction of Bank cum Post office**

It was also decided to construct the new SBI cum Post Office building on the old gate area so that it can serve not only the NIT community but also residents of the city,

without requiring city residents to come inside the campus. Request of SBI to provide quarters for the manger on the bank building was considered and agreed to.

It was noted that SBI will provide a loan to NIT for construction, the terms being so adjusted that the premium will not exceed the license fee on the building.

BWC advised Mr. A.K. Panda, VP(Civil) to expedite the placement of work order.

**BWC: 10 (2008) – 07: Revised Deviation statement of the ongoing major projects.**

Dean (PD) was advised to submit the revised Deviation statement of the following ongoing new projects.

1. Construction of Bio-medical Science Buildings.
2. Construction of Electronics & Electrical Science Buildings
3. Lecturer Hall Complex
4. Staff Residences
5. Construction of Hostel Buildings.

It was decided that the details of the deviation will be prepared and final approved statement will be sent to the Registrar to be put up before the BWC and Board of Governors, NIT Rourkela.

**BWC: 10 (2009) – 08: Construction of 400 KV D/C Ranchi-Rourkela Transmission line.**

A letter has been received from M/s Power Grid Corporation of India Ltd. for construction of Construction of 400 KV D/C Ranchi-Rourkela Transmission line through NIT Campus. They have cited the provision of the Indian Electricity Act., 2003 under section 164 for construction of the said line. Already two high voltage transmission lines have been constructed through NIT campus. The proposed line will hinder future construction restricting the availability of land for expansion.

Registrar informed that M/s PGCIL, Ranchi will be asked to clarify the logic for construction of 400 KV D/C Transmission line through educational institution. In case the proposal is approved, the compensation will be demanded from M/s PGCIL for the lost land. The matter will be referred to the Board for further action.

*(Annexure-A3 Page No.13-15)*

**BWC: 10 (2009) – 09: Selection of Architects / Consultants for New construction Projects:**

The BWC considered the process of selection of Architects for the new set of major projects e.g. Mechanical Science Building, Satish Dhawan Hall, Golden Jubilee building, Lecturer Hall complex II and faculty residence.

An advertisement for the selection was put up in national newspapers and proposals were received from architectural firms. Shortlisted firms were invited for

presentation on 25.10.2009 before the BWC, along with the following external experts and institutes officers responsible for construction projects.

1. Prof. R.K. Banerji, - Member  
Ret. Professor of Architecture and  
Dy. Director, IIT, Kharagpur
2. Prof. Sanghamitra Basu - Member  
Dept. of Architecture & Planning, IIT, Kharagpur
3. Prof. Subhas C. Kar, - Member  
Arcellor Mittal, Bhubaneswar
4. Prof. B. Kapse - Member  
Dept. of Architecture, NIT, Nagpur.

The recommendation of the Committee is given in Annexure. The summary of recommendation is given below:

<b>Sl. No.</b>	<b>Name of Building</b>	<b>Name of the H<sub>1</sub> Tenderer</b>	<b>Consultation fee (% of final cost)</b>
1	Satish Dhavan Hall	M/s Mukesh & Associates	1.69%
2	Lecture Hall Complex (No – II)	M/s Arch-en-Design	1.90%
3	Mechanical Sciences Building.	M/s Arch-en-Design	1.98%
4	Golden Jubilee Building.	M/s Inform Architects (P) Ltd.	2.25%
5	Centre for Technology Innovation.	M/s Mukesh & Associates	1.98%
6	Faculty Residence (Phase –II).	M/s Arch-en-Design	1.98%

Prof. J. K. Satapathy, PIC, Electrical Construction has given a note of dissent focussing on his observation on the quality of service presently being provided by M/s Arch-en-design. The BWC considered Prof. Satapathy's observations and the response of the Director. The Committee took into consideration, the observation not only of Prof. Satapathy but also of all other professors presently involved in the construction process. The committee felt that M/s Arch-en-design have delivered superior service in a timely manner though not without blemish. Records show that the performance of M/s Arch-en-design has been far better than that of all other architectural firms, the institute is dealing with. External experts with good knowledge of the subject have rated the firm

highly. In view of these records, any discrimination against the firm will not only be against the best interest of the institute, but also will be legally wrong.

The BWC accepted the recommendations of the selection committee. It, however, directed the administration to ensure that the concerns of Prof. Satapathy are adequately addressed to in the contract as well as during operation of the consultancy, so that the institute gets the best quality and the best service.

*(Annexure-A4 Page No.16-21 )*

**BWC: 10 (2009) –10: Any other item with the permission of the Chair.**

Registrar placed before the committee the report submitted by OSRAC for Ground water survey at NIT, Rourkela. It was decided to explore the priority points for utilization of the Ground water inside the campus as recommended by Remote Sensing Agency, ORSAC, BBSR.

The Report of ORSAC based on Ground water development plan is enclosed in annexure.

*(Annexure-A5 Page No.22-48 )*

The meeting ended with thanks to the Chair.

**(S. K. Upadhyay)**  
**Registrar & Secretary**  
Building & Works Committee

**(Sunil Kr Sarangi)**  
**Director & Chairman**  
Building & Works Committee



**Annexure-A1**

**Annexure-A2**

**Annexure-A3**

**Annexure-A4**

**Annexure-A5**