



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

**Minutes of the 11<sup>th</sup> Meeting of the Building and Works Committee, National Institute of Technology, Rourkela held on 9<sup>th</sup> April, 2010 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>Civil Engineering, Town Engineering Department,<br>SAIL, RSP, Rourkela. | ... | Member                |
| 3. | Shri Vinod Kr Shrivastava, DGM<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 |

**Invitees:**

- |     |  |     |         |
|-----|--|-----|---------|
| 7.  | Prof. S. P. Singh,<br>PIC, Civil construction, NIT., Rourkela.   | ... | Invitee |
| 8.  | Prof. K. B. Mohanty,<br>PIC, Electrical 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. N. Mohan Das,<br>Deputy Educational Advisor (T)<br>MHRD, New Delhi.  | ... | Member  |
| 2. | Prof. G.C. Mitra,<br>Retired. Work Secretary,<br>Member, Govt. of Orissa | ... | Member  |
| 3. | Prof. C.R. Patra,<br>PIC, Civil Maint., NIT Rourkela.                    | ... | Invitee |

The leave of absence was approved for all members absent.

**BWC: 11(2010) -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: 11(2010) -02: Confirmation of the minutes of the 10<sup>th</sup> Meeting of the BWC.**

The minutes of the 10<sup>th</sup> Meeting sent to the members vide letter No.NITR/2009/BWC-10/390 Dt. 18.12.2009 were confirmed by the BWC.

**BWC: 11(2010)-03: To report on the action taken on the decisions made in the 10<sup>th</sup> Meeting of BWC held on 9.12.2009 and to discuss matters arising out of the minutes:**

The report on the action taken on the decisions made in the 10<sup>th</sup> Meeting held on 9.12.2009 is presented for consideration of BWC.

<i>Sl. No.</i>	<i>BWC item No.</i>	<i>Item Descriptions</i>	<i>Action taken</i>
01	BWC: 10(2009) - 04:	<b>Review of ongoing Civil Projects:</b> 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).	1. Operation of Swimming Pool started from 03.03.2010. 2. Work completed in Dec.2009. 3. Tender opened on 19.03.2010. 4. Tender opened on 19.03.2010. 5. Tender opened on 18.03.10. 6. BOQ yet to be received. 7. Consultant yet to submit revised BOQ.
02	BWC:10 (2009) - 05:	<b>Review of ongoing Electrical Projects:</b> 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. .	Proposed to be procured from M/s Jakson on single tender basis. <b>BWC approved the proposal considering the feedback from local owners on performance and service facility on Jakson Generators.</b> i) BOQ in final stage. ii) Clearance from WESCO for charges under REC Grid. iii) Tendering by 1 <sup>st</sup> week of April,10.

03	BWC: 10 (2009)- 06:	a) Construction of New Main Gate for the Institute. b) Construction of Bank cum Post office.	In progress. Plan under finalization.
04	BWC: 10(2008)- 07:	<b>Revised Deviation statement of the ongoing major projects.</b>  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.	Details of deviation prepared and submitted for approval vide agenda item No.BWC: 11(2010)09.
05.	BWC: 10 (2009)- 08:	Construction of 400 KV Ranchi-Rourkela Transmission line.	i) Letter written to PGCIL for compensation ii) M/s PGCIL has agreed to relocate towers so that minimum space will be utilized inside the campus. iii) Collector had written to cooperate with PGCIL. Construction work is progress on the basis of relevant national acts.
06	BWC:10(2009)- 09:	<b>Selection of Architects / Consultants for New construction Projects:</b>	Appointment of M/s Mukesh & Associates for TIIR building approved by Director on priority basis. Other proposals awaiting Directors approval.
07.	BWC: 10 (2009)-10:	<b>Any other item with the permission of the Chair.</b>  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.	Work in progress.

**BWC: 11(2010) - 04: Review of ongoing Civil Projects:**

A copy on the progress report on ongoing Civil Projects was put up for consideration of the Committee.

BWC reviewed the ongoing Civil Projects. The report is given in the Annexure. BWC expressed concern at the slow progress of many projects, but accepted the underlying reasons of labour shortage to be genuine. All concerned were advised to make conscious effort to accelerate pace of work, commensurate with the externally imposed situations.

*(Annexure-A1, Page No.8-12 )*

**BWC: 11 (2010) - 05: Review of ongoing Electrical Projects:**

A copy on the progress report on ongoing Civil Projects was put up for consideration of the Committee.

BWC reviewed the ongoing Civil Projects. The report is given in the Annexure. BWC expressed concern at the slow progress of many projects, but accepted the underlying reasons of labour shortage to be genuine. All concerned were advised to make conscious effort to accelerate pace of work, commensurate with the externally imposed situations.

(Annexure-A2, Page No.13-19)

**BWC: 11 (2010)- 06: Selection of Architects / Consultants for New construction Projects**

The BWC vide resolution No.BWC: 10 (2009) 09 dt. 09.12.2009 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, TIIR 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,<br>Ret. Professor of Architecture and<br>Dy. Director, IIT, Kharagpur | - | Member |
| 2. | Prof. Sanghamitra Basu<br>Dept. of Architecture & Planning, IIT, Kharagpur                | - | Member |
| 3. | Prof. Subhas C. Kar,<br>Arcellor Mittal, Bhubaneswar                                      | - | Member |
| 4. | Prof. B. Kapse<br>Dept. of Architecture, NIT, Nagpur.                                     | - | Member |

The summary of recommendation is given below:

Sl. No.	Name of Building	Name of the H <sub>1</sub> Tenderer	Consultation fee (% of final cost)
1	Satish Dhawan 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%

The BWC accepted the recommendations of the selection committee. It, however, directed the administration to ensure that the concerns of Prof. J.K. Satpathy 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.

On approval of Director, work order for the work of Centre for Technology Innovation has been processed. Work order for other projects are to awaiting Director's approval.

The Committee was informed that due to lack of Quorum the 23<sup>rd</sup> BOG meeting could not be held in December, 2009. Since the BOG meeting is likely to be delayed, it was decided to

proceed with the process of placement of Work Orders for other projects as mentioned. The committee was satisfied that the concerns of Prof. J.K. Satpathy have been adequately addressed to.

BWC reiterated its approval of the proposal and requested the administration to proceed with the award of work order and present the progress before the BOG in its next meeting.

**BWC: 11(2010)- 07: Road network throughout the Campus for better connectivity.**

The Bustee people from the Campus have been relocated outside the Campus. A road network may be built immediately as per the Master Plan, so that communication can be easily established and petrolling by Security can be taken up.

Registrar informed that eviction of Bustee people from the campus is completed. BWC approved the proposal to immediately construct a road network throughout the Campus as per the master plan.

**BWC: 11(2010)-08: Proposal for development of Water Ponds/Water bodies.**

In view of the report submitted by Orissa Space Applications Centre, Bhubaneswar, for proper recharge of the underground water line, construction of water ponds/water bodies and check Dam may be taken up immediately.

It was decided that Water Ponds/Water Bodies/Check Dam may be constructed as per the recommendation of Orissa Space Applications Centre, Bhubaneswar. The following committee is constituted for preparing a scheme.

- |                             |     |          |
|-----------------------------|-----|----------|
| 1) Prof. K. C. Patra, CE.   | ... | Chairman |
| 2) Prof. A.K. Pradhan, CE   | ... | Member   |
| 3) Prof. R. Jha, CE.        | ... | Member   |
| 4) Prof. A.K. Panda, VP, CE | ... | Member   |

Director advised that one expert from NIH / OUAT may be adopted in the Committee. The report should be submitted by 15<sup>th</sup> May, 2010.

**BWC: 11(2010)-09: Revised Deviation Statement of the Ongoing Major Projects (Phase-I).**

Dean (PD) presented the revised deviation statement and extra items of the ongoing major projects being carried out by UPRNN.

BWC approved the expenditure incurred so far, considering the changes in foundation design, addition of basement floor, stone cladding and other minor aspects of construction. Dean (PD) was advised to prepare a revised estimate for the yet-to-be-completed buildings including deviation and extra items and put up to BWC in its next meeting.

*(Annexure-A3, Page No.20-24)*

**BWC: 11(2010)-10: Prequalification of Civil/Electrical Contractors for New Construction Projects (Phase – II) (e.g. Mechanical Science Building, Satish Dhawan Hall, Golden Jubilee Building, Lecture Hall Complex and Faculty Residence):**

An advertisement for prequalification of Civil/Electrical Contractor has been put up in National News Papers and NIT Website for the above work as given in the Annexure. The offers will be opened on 22.04.2010. Shortlisted firms will be issued with tender papers.

BWC noted the above.

*(Annexure-A4, Page No.25-27)*

**BWC: 11(2010)-11: Finalization of Tender for Renovation and Extension of Campus Quarters and Hostels:**

An advertisement for selection of civil contractors was put up for the following works in National News Papers and NIT website as given below:

- i) Mess / Security Staff Barrack.
- ii) Renovation of Ladies Hostel (Block A & B, Block C & D).
- iii) Renovation of G.D. Birla and Dhirubhai Ambani Halls.
- iv) Extension of Swaminathan Hall.
- v) Common Dining Facility and Parking for Visvesvaraya, Dhirubhai Ambani and Swaminathan Halls.
- vi) Renovation of 'B' Type Quarters.

Techno Commercial bids for the above works have been opened and tender under finalization.

BWC noted the above.

**BWC: 11(2010)-12:**

**Proposal for New works:**

The following new works are proposed.

**1. Provision of Low side AC work in Biomedical Building.**

The BOQ has been received from Architect. In view of handing over the Building and making it operative in the coming academic session, it is proposed to get the work executed through M/s Blue star at the same rates and terms as the Work Order issued to them for the Guest House.

BWC approved the proposal.

**2. 0.18 MLD Sewage Treatment Plant for Hostels:**

BOQ for Global Sewerage system is under finalization. Since this will take some time, as an interim measure, for Hostels, the work has been awarded to M/s Shivam Water Treaters, Ahmedabad at a value of Rs. 25.5 Lakhs. The work will be started shortly. In order to use the treated waste water from the above, scheme for gardening purposes, separate tender is being initiated for laying of pipeline and other related works.

BWC approved the proposal.

**3. Selection of AC Consultant for existing and New Academic Buildings:**

- i) Phase – I work (i.e. Guest House) has been completed and under use.
- ii) Selection of Consultant for Phase – II (Administration Building, Computer Sciences Building, etc.) has already been done.
- iii) Advertisement for appointment of Consultant for Phase – III & IV has been published in the National News Papers. Offers have been received.

The same will be finalized shortly.

BWC noted the above and directed the administration to proceed with the process with priority.

**4. Dismantling of Space Frame in the existing Gate and re-erection near Biju Pattnaik Library:**

Since the New Main Gate is under construction, it is proposed to dismantle the Space Frame in the existing Gate and erection of the same near Biju Pattnaik Library.

BWC approved the proposal.

**BWC: 11(2010)-13: Any other item with the permission of the Chair.**

**1) Registration of Contractors.**

Registrar informed that Civil Engineering Department has not submitted the list of contractors to be registered. Dean(PD) was requested to submit the same at the earliest.

**2) Review of Water supply to NIT Campus.**

Registrar presented the minutes of the meeting vide resolution No.NITR/RG/M/09/6117 dt.15/16.07.2010 on the review of Water supply to the Campus. Concerned authorities were requested to take necessary action, so that proposed scheme can be implemented in time.

Orissa Space Applications Centre, Bhubaneswar had carried out survey work and as per their report two boring points were dug, where one was successful and second one is in progress. Mr. S. P. Mohapatra, AEE was advised to take up the following work immediately so that the water can be utilized in summer.

- i) to make provision for 5 inch water pipe connection from the boring point to the tank.
- ii) to procure Pump and Motor based on the yield of boring point so that the entire work can be completed by 30<sup>th</sup> April, 2010.

Dean (PD) was advised to complete the work within the shortest possible time, by hiring drilling rigs, buying pipeline and pumps etc. from reputed firms, to ensure availability of water to the residents.

**3) Payment of Cess @1% under the Building and other construction and payment of Minimum wages to the worker working under different Civil, Electrical and other agencies etc.**

Registrar informed that while tendering in future, the following additional points are required to be incorporated.

- i) Payment of Cess @1% by the Contractors to the Govt. of Orissa under the Building and other construction workers welfare Cess Act, 1996 and the Building and other constructions worker's welfare Cess Rule-1998.
- ii) Minimum wages to be paid by the Contractor to the workers at the rate notified by the Govt. of India from time to time.

*(Annexure-A5, Page No.28)*

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**

To

Dt.12.04.2010.

The Registrar  
National Institute of Technology  
Rourkela, Orissa.

Sub: Application for Internate Connection and Login Password.

Sir,

With due respectfully, I beg to state that Apollo Pharmacy opening its Medicine Store at the NIT Dispensary since 31.3.2010. Without net facilities, we are facing a lot of problems to stress out medicines with our Main Store. Therefore, I would request you to kindly accord permission to provide us Login Password at the earliest. The installation and monthly rental charges will be born by the Apollo Pharmacy as per NIT rule.

Thanking you,

Yours faithfully,

(Madhusudan Patra)  
In-Charge, NIT Apollo Pharcy  
Rourkela  
M: 9777939430