



**NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR**  
An Institute of National Importance

No. NITRR/R-1/2016/172A

Dated: 19/05/2016

**Minutes of 19<sup>th</sup> meeting of Building and Works Committee was held on 19/05/2016 in the Mini Conference Hall of NIT Raipur.**

The following were present in the meeting:

1. Dr. Sudarshan Tiwari, Director, NIT, Raipur - Chairman
2. Prof. L. K. Mishra, Associate Professor, MNNIT, Allahabad - Member
3. Shri Bramha Dutt, Executive Engineer, CPWD, Raipur - Member
4. Shri V. P Chouhan, Executive Engineer CPWD, Raipur - Member
4. Dr. G. D Ramtekkar Dean (Planning & Development) - Member
5. Shri. P Y Dhekne Registrar (Offg.), NIT Raipur - Member Secretary
6. Shri Suraj Pratap Srivastava, Executive Engineer, NIT Raipur - Special Invitee

Chairman welcomed all the members and special invitee present in the 19<sup>th</sup> meeting of Building and Works Committee. Member Secretary commenced the proceedings of the meeting with the kind permission of the Chair.

**Item No. : 19.1 To confirm the minutes of 18<sup>th</sup> meeting of Building and Works committee held on 12/10/2015.**

**The minutes of the 18<sup>th</sup> meeting of Building and works committee held on 12/10/2015 were circulated amongst the members. Comments thereon have been received and the modified minutes were placed before the committee. The BWC confirmed the minutes.**

**Item No. : 19.2 To report action taken on the minutes of 18<sup>th</sup> meeting of Building and Works Committee.**

**The actions taken on the minutes of 18<sup>th</sup> meeting of Building and Works Committee held on 12/10/2015 were noted.**

Further, Member Secretary requested the representatives of EP (I)L and CPWD to present the status report of ongoing projects in the institute.

The representative of EP(I)L appraised the members about the status report of ongoing projects entrusted to EP(I)L:

- (i) Construction of Main Gate, Boundary Wall, Road, Canteen Building and Architecture Building at NIT Raipur.
- (ii) Construction of Boundary Wall of proposed New NIT Campus at Rakhi Bharenga.
- (iii) Construction of Computer Centre Building at existing campus of NIT Raipur
- (iv) Construction of class rooms in first and second floor of main building over existing highway lab at NIT Raipur.
- (v) Face-lifting and renovation of the main institute building at NIT Raipur
- (vi) Face-lifting of Hostel A, B, D, E & F at NIT Raipur.

EP(I)L informed that works mentioned at Sr. No. (i) to (iii) are nearing their completion. The work at Sr No. (iv) is complete. Regarding works at Sr. No. (v) and (vi); it was also observed that nearly 200 rooms have been renovated in the Institute premises and face lifting of three hostels A, B and E is over. In connection with construction of boundary wall of proposed new campus, EP (I) L informed that the construction of boundary wall is going on after removal of the encroachments. It was directed that the campus should have a temporary gate at present. The Main gate will be fixed after finalization of its design.

Representative of CPWD submitted the status report of the following allotted works :

- (i) Re-carpeting of the existing road along with provision of RCC storm water drain and paver footpath in the existing campus.
- (ii) Replacement of old electric service line in the campus (Laying of LTUG cables for residential and non-residential buildings, water supply pumps and street lighting including providing feeder pillar and street light poles and fitting at NIT campus.
- (iii) Construction of G+4 (24 nos.) faculty quarters.

(iv) Construction of 2 Nos. G+6 storey blocks with 24 no. of Residential flats in each block for Group –B and Group – C employees at NIT Raipur.

(v) Construction of water supply system and sewer drainage system along with sewage treatment plant (STP) at NIT Raipur.

CPWD informed that works mentioned at Sr. No. (i) to (iii) are almost complete. The official formalities for the works at Sr. No. (iv) and (v) are being executed by CPWD. The BWC expressed satisfaction over the progress of ongoing construction works entrusted to EP (I) L and CPWD.

CPWD and EP (I) L officials were advised to handover complete drawings/plans of the projects and warranty certificates for the buildings for various services/treatments to the estate office. The member secretary suggested that the agencies involved in the various works in the existing campus should restore the aesthetics at their respective sites of work.

**Item No. : 19.3 To consider and recommend the construction of New Girls' Hostel in the Existing Campus of NIT Raipur.**

It was informed that on the recommendation of the 15<sup>th</sup> BWC meeting held on 31.07.2015, CPWD was asked for construction of 3<sup>rd</sup> floor over the existing Girls' Hostel "G". After physical inspection by CPWD authority, they expressed their inability to construct 3<sup>rd</sup> Floor over the hostel, citing the reason of absence of dummy columns vide Letter No. 23(144)/WZ (V) 2014-15/645 dated 23.09.2014. The same was intimated in the 16<sup>th</sup> meeting of BWC held on 19.01.2015. The strength of Girl students is 982 (as on date, 06.05.2016) and current accommodation facility in the Girls' Hostel is approx 400. Therefore, it is necessary to construct a New Girls' Hostel to meet out the current demand for the increased accommodation facility for Girls students of the institute.

31<sup>st</sup> meeting of Institute Committee held on 11.03.2015 discussed the matter and proposed the construction of New Girls' Hostel of 300 capacity besides the existing girls' hostel. It is also proposed that G+6 storey hostel should be constructed so that the foot print area on the ground is as less as possible. The committee proposed to allocate the work of construction of New Girls' Hostel to EP (I)L or CPWD.

**BWC recommended the work of construction of New Girls' Hostel in the Existing Campus of NIT Raipur. BWC also recommended to award the work to EP (I) L.**

**Item No. : 19.4 To consider and recommend the upgradation of external Electrical Distribution System in the existing premises of the Institute.**

BWC was informed that the face-lifting and renovation of the main institute building



at existing campus of NIT Raipur has been given to EP(I)L vide Work Order no. NITRR/2014/9372 dated 31.03.2014 for which Rs. 29,90,10,856/- has been allocated. The face-lifting and renovation of the main institute building work is almost nearing completion.

As the existing main Electrical Distribution System of the institute building is very old and not able to cater the existing load of 548 KV/A (max. recorded in April 2016), which has increased around 200% from 271 KV/A load (max recorded in April 2011). This causes in frequent short circuit, overloading and heating of conductors. Thus there is always a chance of damage to the lab equipment and computers. Therefore, replacement of the existing electric distribution system and capacity enhancement is necessary keeping in view the present status and future Electric load demand of 1500 KV/A. Accordingly, EP(I)L was asked to submit a proposal for upgradation of existing external electrical distribution system of Main institute Building. EP(I)L vide letter No. WRO/NIT/662D/001 dated 03.05.2016 has submitted a separate proposal for the same with an estimated cost of Rs. 5,36,02,174/- . A committee consisting of representatives of NIT Raipur and CPWD considered the proposal and recommended to go for the upgradation of the electrical distribution system. The Institute also examined the financials involved. It was found that the base price of the estimate submitted by the EP (I) L and the Estate office of the Institute almost matches.

Further, it was felt that the work of upgradation of external Electrical Distribution System in the existing premises of the Institute may be allotted to EP (I) L as the same agency has already been engaged in the renovation of the premises and allotment of work to them will ensure better co-ordination

It was advised to provide separate electric panels for heavy utility equipments. It was also informed that the proposed electrical distribution plan has been vetted by the experts for technical capability.

**BWC recommended that the work of upgradation of external Electrical Distribution System in the existing premises of the institute should be awarded to EP (I) L at an estimated cost of Rs.5,36,02,174.**

**Item No. 19.5 To consider and recommend the extension in the premises of SBI GCET Branch located in the existing campus of NIT Raipur.**

A request letter for additional space for existing SBI building has been received from the Branch Manager of SBI, GCET Branch citing increased students' strength in the institute. In the letter they have also promised to provide one dedicated counter for the institute. Along with the letter they have submitted a drawing plan which has been prepared in consultation with the Estate Office. As per the drawing and specifications, Estate office has submitted an estimate of Rs. 23, 88, 607/- for construction of the proposed extension of existing SBI building. It is proposed that the construction of the proposed extension will be done by the Estate Office, through open tender process.

It was felt that some minor modifications regarding the exterior and interior are required in the estimate. However, this is not going to cause a major change in the estimated cost of the work.

**The work of construction of extension in the premises of SBI GCET Branch located in the existing campus of NIT Raipur was recommended by the BWC at an estimated cost of Rs. 23,88,607. It was also recommended that the proposed work may be carried out by the Estate Office of the Institute through open tender process.**

**Item No. :19.6 Any other matter with the permission of the chair.**

**(i) Rooftop water harvesting system in the campus**

The BWC was informed that the faculty members from Applied Geology department in consultation with Geological Expert have been requested to make a proposal for rooftop water harvesting system in the campus. The BWC welcomed the move and advised to put up a detailed proposal for implementing the same.

(ii) Chairman enquired about the status of lifts installed in the institute building. It was informed that two lifts are installed in the institute building and one lift will be operated within a week. Some minor electrical work is remaining in respect of one of the lifts which will be also completed at the earliest. Chairman directed to ensure operation of both the lifts on priority basis.

The meeting ended with vote of thanks to the Chair.



**[P. Y. Dhekne]**

Member Secretary and Registrar (Offg.)



**[Sudarshan Tiwari]**  
Chairman and Director