

NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR
TAKYELPAT, IMPHAL

**MINUTES OF THE 3rd MEETING OF THE BUILDING & WORKS
COMMITTEE HELD ON 24TH JULY 2013**

The 3rd meeting of the Building & Works Committee of National Institute of Technology Manipur was held on 24th July, 2013 at 11:00 a.m at the NIT Manipur Conference Hall.

Dr. S. Birendra Singh, Chairman of the Building & Works Committee, NIT Manipur presided over the meeting.

The following members were present:

- ❖ Dr. S. Birendra Singh : Ex-officio Chairman
Director, NIT Manipur
- ❖ Shri P. Vaiphei : Member
Commissioner, Higher & Technical Education
Govt. of Manipur, Imphal
- ❖ Shri K.K Saxena : Member
Executive Engineer, MPD, CPWD, Impal
On behalf of Superintending Engineer, CPWD,
Shillong, Meghalaya
- ❖ Dr. Debasish Bhattacharjee : Ex-officio Member Secretary
Dean (Admn), NIT Agartala
Officiating as Registrar, NIT Manipur

The following person attended the meeting as invitees:

- (i) Mr.I.Lokendrajit Singh, S.E., Education Engineering Work
- (ii) Mr.Ch.Biren Singh, E.E., Education Engineering Work
- (iii) Mr.Anil KumarSingh, A.E. CPWD-MPD

MHRD and Mr.T.Aton Singh, S.E. Electricity Department could not attend the meeting due to their prior engagement.

DBhattacharya.

[Signature]

The Chairman welcomed all the members and then requested the Registrar (Officiating) to initiate discussions on agenda items. The following agenda items were discussed and item-wise decisions are described below:

ITEM NO. 3.1: Confirmation of the Minutes of the 2nd Building and Works Committee held on 21st Jan 2013

The minutes of the 2nd Building and Works Committee held on 21st Jan 2013 at the Director's Chamber of NIT Manipur is confirmed.

ITEM NO. 3.2: Action taken on the decision of the Second meeting of the Building and Works Committee held on 21st Jan 2013 in the Director's Chamber of NIT Manipur

The actions taken on various decisions of the 2nd Meeting of the BWC were noted. The members expressed their pleasure for the initiatives taken by the Institute for revision of the estimates for the Multipurpose Building foreseeing the Institute's interest.

ITEM NO. 3.3: To review the progress of Construction of Assam Type Hostels and Classrooms in the permanent Campus

The Education Engineering Wing (EEW) representative was requested to justify the enhanced cost of the construction of the proposed buildings at the permanent site. The engineer from EEW apprised the committee that the following items have been incorporated in the revised estimate amounting Rs.40.80 Crore.

- | | | |
|-----|--|-------------------------------------|
| (a) | Institute Building (plinth area 5655.6 sq.m) | : Estimated cost of Rs.17.51 Crores |
| (b) | Boys' Hostel (Plinth area 3781.2 sq.m) | : Estimated cost of Rs.11.52 Crores |
| (c) | Workshop (1800 sq.m) | : Estimated cost of Rs.5.86 Crores |
| (d) | Chowkidar's Quarter | : Estimated cost of Rs.0.15 Crores |
| (e) | Water Reservoir | : Estimates Cost of Rs.0.31 Crores |
| (f) | Internal Roads (1060 m length) | : Estimated cost of Rs.1.03 Crores |
| (g) | Wall fencing near Administrative Building | : Estimates Cost of Rs 0.27 Crores |
| (h) | Earth Banking | : Estimated cost of Rs 4.16 Crores |

Total estimated cost of Rs.40.80 Crores.

Further, he added that the cost has been increased due to the following reasons:

The foundation design has been changed to raft foundation from the initial isolated foundation. In addition to the increase in the total plinth area, the following new provisions were also added like: Common rooms, Chowkidar's Quarter, Internal Roads, Land Development and creation of Water Reservoir. The workshop which was earlier meant only for first year is now constructed to facilitate workshop practical for Civil and Mechanical also. Also there is an increase in the overall cost index. After threadbare discussion, the committee approved the proposal amounting Rs.40.80 Crore for the construction of the items mentioned above, which have also been vetted by CPWD. And also the EEW has been further requested to start the work immediately so that

cost overrun could be avoided. The EEW representatives assured the committee that the hostel will be handed over by December 2013 and the Institute block by March 2014.

ITEM NO. 3.3 A: To construct 10 more classrooms and another Boys hostel of Assam Type structure in the permanent Campus

The Chairman apprised the committee that by 2014, the total students' strength will rise to 600. From 2013-14, two new branches namely Civil Engineering and Mechanical Engineering is being started and 2014-15 one new branch Electrical Engineering will be also be introduced. Further the intake capacity of CSE will also be increased from 30 to 60. To accommodate this augmented strength in the permanent campus, one more hostel of 150 capacity is to be constructed on urgent basis, because the hostel to be constructed by CPWD is likely to be completed only by June 2016 as informed by CPWD engineers in the meeting.

Now the committee considering the urgency approved the construction of another 150 capacity hostel and 10 more classrooms in the permanent campus and the same may be awarded to EEW as depository work, with an estimated cost of Rs.18.70 crores prepared by EEW and vetted by CPWD.

ITEM NO. 3.4: To review the progress of construction of Boundary wall at NIT Manipur Permanent Site

The construction of boundary wall for the remaining part of about 1.2 km has already been entrusted to EEW as depository work with an estimated cost of 3.35 Crores. The Institute has already deposited Rs.1 crore as mobilization advance. The EEW assured the committee that the work will be started by Aug 2013 and will be completed by December 2013. During the discussion the Commissioner (Tech & Hr.Edn), Mr.Vaiphei suggested that along with the construction of remaining portion of wall, the repairing of the damaged/ collapsed portion of the boundary wall erected by PDA may also be taken up. The committee agreed on the proposal. The new construction will be as per the design, specifications and estimate vetted by CPWD.

ITEM NO. 3.5: Administrative approval of renovation, maintenance, repairing and other allied works to be / already undertaken by the NIT Manipur at Temporary Campus

The proposed works will be carried out in the temporary Polytechnic campus to meet the emergent need of the Institute. The State Government has already spent a huge amount for starting of NIT Manipur. After shifting of NIT Manipur to the permanent campus, these facilities may be used by Polytechnic and it will be a good gesture from NIT Manipur towards State Government for their generous help extended during the initial stage.

The committee recommended the proposal for creation of urgent facilities in the present temporary campus with an estimated cost of Rs. 97.27 lakhs as furnished in the next page.

List of proposed works

| Sl.No | Name of the Work | Amount (Rs.) |
|-------|--|---------------------|
| 1 | Proposed construction of Security Barrack for Director Quarter at Takyelpat, Imphal, Manipur | 1499933.00 |
| 2 | Proposed Extension & Repairing of Work Shop at Takyelpat, Imphal, Manipur | 889124.00 |
| 3 | Land Development at NIT Library Complex, Takyelpat | 474000.00 |
| 4 | Repairing / Renovation of Dining Hall at NIT Complex, Takyelpat | 179000.00 |
| 5 | Extension of Kitchen at NIT Complex, Takyelpat | 409000.00 |
| 6 | Construction of Fencing at Polytechnic Campus | 2483825.00 |
| 7 | Proposed construction of Canteen cum Dining Hall at Polytechnic Campus | 2377817.00 |
| 8 | Proposed erection of GI (Dyna) sheet fencing around the SAT Trainee Hostel | 5,86,560.00 |
| 9 | Proposed construction of pedestrian path connecting SAT and NIT Manipur internal road | 8,27,437.00 |
| | Total | 97,26,696.00 |

This is required to accommodate the new batch of students and for smooth running of academic activities. These works may be carried out under the supervision of the Institute construction committee after the estimates are vetted by CPWD.

ITEM NO.3.6: To review the status of the Construction of Multipurpose Building and Hostels taken up by CPWD

The Chairman apprised the committee that previously CPWD submitted one estimate in 2012 for construction of Multipurpose Building and Boys Hostel. But as per requirements of the Institute, certain changes have been proposed by the Institute and accordingly a fresh architectural drawing has been submitted by CPWD and approved by the Institute. Based on the approved drawing and the new requirements incorporated in the drawing, preliminary estimates amounting to Rs.262.34 crores have been submitted by CPWD. The breakup is detailed below:

- (a) Multipurpose Building: Rs.157.2 crore having plinth area of 18,500 sq.m
- (b) Boys' Hostel : Rs.71.02 crore having plinth area of 9900 sq.m
- (c) Supplementary Preliminary Estimates for Centralised AC for; auditorium, Administrative Block, Library, Senate Hall; approach road, drains, culverts, parking, landscaping, passenger lifts (2 nos) projectors for auditorium, underground sump for 3 lakhs litre water: Rs.34.20 crore.

The representatives of CPWD present in the meeting elaborated the cause of the increased in estimated cost for the proposed construction. The representative apprised that the following new provisions have been incorporated in the above estimates:

- (a) Increased plinth area i.e. 67 % increase in MP building and 18 % in Hostel building.
- (b) Addition of auditorium of 500 capacity. (included in 67% increase of plinth area)

- (c) Soil stabilization work, earth filling work and pile & raft foundation.
- (d) Earth quake resistant design
- (e) Sewage treatment plant
- (f) Water treatment plant
- (g) Rain water harvesting
- (h) Filtered and unfiltered water supply distribution system
- (i) Storm water drains
- (j) DG Set, LT transformer and substation

Further, the CPWD engineers added that the plinth area rate has changed from 2007 to 2012 and increased of cost index for Imphal by 212% on PAR 2007 and 167 % on PAR April 2012 on 1st July 2013. All these added, has given rise to the increase in cost of the estimated work from earlier Rs.82.75 crores to Rs.262.34 crores. As per earlier estimate, the plinth area for Multi Purpose building was 11,100 sq.m and for boys hostel 8400 sq.m.

The committee after discussion at length and taking into account the explanation given by CPWD for the increase in estimated cost, approved the proposal for the total estimates cost of Rs. 262.34 crores.

ITEM NO.3.7: Status of Master Plan for NIT Manipur permanent campus

The Chairman informed the committee that the Institute has prepared a Notice Inviting Quotation (NIQ) for providing Project Management Consultancy (PMC) and for preparation of Master plan for NIT Manipur permanent campus. The structure under construction at the permanent campus by EEW, Govt. of Manipur and by CPWD will be treated as already existing structure. The Master Plan will take this into account. The documents will be sent to Chief Architect, Eastern Region II, CPWD Guwahati for vetting and suggestions. After the finalisation of NIQ, the Institute will go for open tender inviting Master Plan for NIT Manipur from different resourceful firm as per Institute's requirements for selection of agency for the preparation of Master Plan and appointment of PMC.

After scrutiny of the proposal received against our tender, the bidders will be ranked and the top three bidders will be awarded.

Taking inputs from the top three bidders, a committee constituted for the purpose will prepare the final Master Plan for the Institute.

The BWC approved the proposal and requested the Director to go for the preparation of Master Plan immediately.

ITEM NO. 3.8: Administrative Approval for construction of Faculty and Non-Faculty residential Quarter, Guest House at Permanent Site

The BWC appreciated the timely initiative of the Institute and recommended the proposal for administrative approval of the BOG for the requirements furnished in the next page.

| Sl.No | Particulars | Nos. |
|-------|---------------------------------------|----------|
| 1 | Director's Quarter | 1 |
| 2 | Registrar's Quarter | 1 |
| 3 | Professor's quarter | 5 |
| 4 | Assoc. Prof's Quarter | 10 |
| 5 | Asst. Prof's Quarter | 25 |
| 6 | Staff's quarters (different category) | 30 |
| 7 | 100 Seater Girls Hostel | 1 |
| 8 | Guest House | 25 rooms |

Further the committee suggested that as per availability of fund, the Institute should go for the construction phase wise. The location of the proposed construction would be decided after the preparation of Master Plan. The CPWD may be requested to submit a detailed proposal to start construction of Girls Hostel.

ITEM NO. 3.9: Administrative approval for horticulture and tree plantation landscaping work at NIT Manipur permanent site

The committee approved the proposal sent by Horticulture Department, Govt of Manipur for plantation of 2000 saplings along the periphery of the Institute, erection of bamboo tree guards and nurturing the saplings for one year with an estimated cost of Rs. 6.88 lakhs.

ITEM NO. 3.10: External electrification and power station

The Committee approved the proposal for stringing 0.70 km long 11 KV line from Lamphel power substation to NIT Manipur permanent campus and supply and erection of 1 no of 100 KVA transformer to be installed at the permanent campus with an estimated cost of Rs.49.28 lakhs. The work will be executed by State Electricity Department. In this respect the Director added that the Institute will take further steps for stringing electricity line around the campus by engaging contractors through tender.

ITEM NO. 3.11: Administrative approval for Water Supply/ water treatment plant

The Director narrated the urgent requirement for creation of a water reservoir, a treatment plant and distribution in the new campus. In this respect state Public Health Department will be approached to supply water in the campus through pipes. And for meeting the emergencies, CPWD along with the construction of MP building in the campus will create a reservoir for buildings constructed by CPWD. For supplementing the requirements of the entire campus, there has to be additional water reservoir, treatment plant and distribution system.


After administrative approval by the BOG, the detailed estimates will be finalised.

The BWC approved the proposal.


ITEM NO. 3.12: Administrative approval for installation of solar power generation plant at permanent site

The Manipur Renewable Agency (MANIREDA) will be approached for setting up of a 100 KVA solar plant in the campus and the details of the cost involvement on the part of NIT Manipur. For this purpose a location in the Master Plan is to be finalised in the common facility area. This plant will meet the urgent power crisis specially for location like Girls Hostel, common facility centres, Administrative building etc. The committee appreciated the proposal and approved the same with an estimated cost of Rs.34 lakhs as informed by the Director MANIREDA, Govt of Manipur as Institute's contribution beside the subsidy from MNRE, Govt of India.

Shri L.Dorendro Singh, Assistant Registrar, NIT Manipur delivered the Vote of Thanks to all the members who attended the meeting, specially Mr.P.Vaiphei for his constant encouragement.


(Dr. Debasish Bhattacharjee) ^{24-07-13.}
Dean (Admn), NIT Agartala
Officiating Registrar, NIT Manipur

&
Ex-officio Member Secretary
Building & Works Committee
National Institute of Technology Manipur


(Dr. S. Birendra Singh)
Director, NIT Manipur

&
Ex-officio Chairman
Building & Works Committee
National Institute of Technology Manipur