



**DRAFT MINUTES OF 40TH MEETING OF THE BUILDING AND WORKS COMMITTEE TO BE HELD ON 2ND SEPTEMBER 2016 AT 10.00 AM.**

The following members were present:

- |  |                    |
|--|--------------------|
| 1. Dr. Narendra S. Chaudhari, Director, VNIT, Nagpur | - Chairman         |
| 2. Dr. Rajendra Yerpude Dean(P & D) VNIT, Nagpur     | - Member           |
| 3. Dr.S.C.Sahasrabudhe,BoG Nominee                   | - Member           |
| 4. Mr.Pradip S Patil,PWD Representative              | - Member           |
| 5. Mr. Ravindra Akulwar,PWD Representative           | - Member           |
| 6. Dr. S.R. Sathe, Registrar, VNIT, Nagpur           | - Member Secretary |

Dr.Anirban Mandal, Associate Dean(New Constructions), Dr. Vijay Kale, Associate Dean (Electrical), Shri R M Gagde, Assistant Engineer(Maintenance) and the representatives from NBCC Ltd. were present for the meeting.

**BWC 40.01 To confirm the minutes of the 39th meeting of the Building and Works Committee.**

The minutes of the 39<sup>th</sup> meeting of the BWC are placed at Annexure-I.  
The BWC is requested to confirm.

**Resolution:** BWC has confirmed the minutes.

**BWC 40.02 Action Taken Report on the minutes of the 39<sup>th</sup> meeting of the BWC .**

**BWC 39.03 The progress report of New Construction Activities.**

As approved earlier, the various construction works started by M/s NBCC Ltd. the details of which are as given below:

Sr. No.	Activity	Progress Report
01	Construction of Academic block	The excavation work is completed. The foundation work for all the new constructions is completed and project is reported as per the schedule.
02	Construction of Girls Hostel G+11 storied	
03	Construction of Boys Hostel, G+10 storied	
04	Mega Mess for Boys	
05	Mega Mess for Girls	

The BWC is requested to note.

**Resolution:** The BWC noted the progress report of New Construction Activities and NBCC Ltd. representatives gave the present status. Based on the bills raised for Rs.14.24 Crores and payments for purchases for Rs.17.39 Crores regarding new construction, NBCC Ltd has submitted the statements for the release of payment. It is recommended that the amount of Rs.14.24 Crores for completed works is to be paid. Additionally, 75 % for the purchases of Rs.17.39 Crores i.e Rs.13.04 Crores payment is also recommended. The total payment thus calculated as Rs.27.28 Crores together is recommended for the payment to NBCC Ltd. This release of payment is necessary for smooth and on schedule project completion for these new construction activity.

**Action Taken:** The request for the funds under PLAN Grant is raised to MHRD

S.R. Sathe

**BWC 39.04 Installation of Solar Panels and Units on VNIT buildings and pathways.**

It is proposed to install solar panel and units on VNIT buildings and pathways in order to meet energy demand of the institute. This will also useful to generate clean energy on VNIT campus.

Sr No	Particulars of the area available for solar installation	Area in sq meters	Estimated Power generation capacity	Installation Cost without subsidy at @ Rs.80000 per KW	Installation Cost without subsidy at @ Rs.80000 per KW with 15 % subsidy.
1	Academic and Administrative Buildings Terrace.	21595	7650 KW	Rs.60.90 Crores.	Rs.51.80 Crores.
2	Hostels and Guest House	19261			
3	Proposed Pathways Top	70325			

The detail proposal is enclosed in annexure-II.

BWC is requested to discuss and approve the installation of Solar Panels and Units.

**Resolution:** The solar power generation is in accordance with the national mission which gives the clean and green energy. The institute has submitted the proposal to the MHRD for the solar installations on VNIT campus.

BWC approved the proposal in principle with the suggestion to follow up the proposal depending on the availability of the funds.

**Action Taken:** The institute has initiated the action and Solar Corporation of India, a nodal agency for implementation of Project has been contacted.

**BWC 39.05 Setting of sewage water treatment plant and a biogas plant**

- i). **Sewage treatment plant:** The institute campus generates the sewage waste water approx.510 cubic meter per day. Presently, water is not treated but discharged into the public sewage. If this water is treated then it will meet the requirement pertaining to flushing, washing and watering the garden and lawns. Therefore, it is proposed to set up sewage water treatment plant using Membrane Bio-Reactor(MBR) with the initial capacity of 600 cubic meter per day. The estimate is given below

Particulars	Estimated Cost
Construction and Installation of Sewage Treatment Plant.	Rs.3.00 Crores
Rehabilitation, repair and reorganization of existing sewage network to suit the requirement water treatment plant	Rs 1.50 Crores
Sub total	Rs 4.50 Crores

- ii). **Biogas plant:** Institute is generating about 386 kg/day the kitchen waste through various hostels, guest house and campus residents. The kitchen waste is fully organic in nature and potential to generate biogas after suitably treating an aerobically. If, this biowaste is treated then it will generate approx. 30.8 cum gas per day.

The estimate is given below

Particulars	Estimated Cost
Construction of biogas plant	Rs 0.5 Crores

The total estimated cost for sewage water treatment plant and biogas plant is Rs 5 Crores. The detail proposal is enclosed in annexure-III.

BWC is requested to approve.

**Resolution:** BWC approved the proposal in principle with the suggestion to prepare detailed report .

**Action Taken :** The work of preparation of detail report has been given to NBCC Ltd.

**BWC 39.06 Refurbishment of Kitchen of various Staff Quarters.**

The existing kitchen of quarter No. 28 to 43, 5, 11 to 12, 21, 67 to 78 , C-21 to C-40 and M1 to M33 are in very bad shape. The cupboards below platform are in dilapidated state. Kitchen is not renovated since its construction. Window of the kitchen is also in dilapidated state. However, the refurbishment of kitchen in other quarters already carried out. It is therefore proposed to carry out the work of refurbishment of kitchen platform of above mentioned quarters (remaining). The estimated cost of the above said work is Rs.36.15 Lac. The detailed estimate is prepared on the basis of Mah. PWD CSR 2015-16. The detail estimate is enclosed in Annexure-IV  
BWC is requested to approve.

S Bath



**Resolution:** BWC approved the proposal.

**Action Taken:** Tender was floated and item is listed BWC 40.04

**BWC 39.07 Internal and external painting of various Staff Quarters**

The internal painting of quarter No. 2-10, 11-21, 28-54, 55-66, 67-78, C21-C40 & CN01-CN08 was not carried out since more than three years. The wall surfaces and doors, grills and window surfaces looks very shabby and it is due for internal painting. As per maintenance norms, it is to be taken up after every three years. It is therefore proposed to carry out the work of internal painting of abovementioned quarters.

Secondly, external painting of quarter No.M1-M33 and C21-C40 was not carried out since more than five years and several cracks are repaired from outside and hence external wall surface looks very shabby. It is therefore proposed to carry out external painting of these quarters.

The detailed estimate is prepared on the basis of Mah. PWD CSR 2015-16. The estimated cost of the above said work is Rs.37 Lac. The detail estimate is enclosed in Annexure-V

BWC is requested to approve.

**Resolution:** BWC approved the proposal.

**Action Taken:** Tender was floated and item is listed BWC 40.03

**BWC 39.08 To approve the procurement of Indoor Transformer 800 KVA, 11KV/433 Volts for substation "A", Vacuum circuit breaker at Sub Station "B" and laying of HT Cable from Sub Station "C" to Sub Station "A" in the V.N.I.T Campus.**

The proposal for Supply, Erection, Testing and Commissioning of Indoor Transformer 800 KVA, 11KV/433 Volts at substation "A", Vacuum circuit breaker at Sub Station "B" and Supplying / laying of HT Cable from Sub Station "C" to Sub Station "A" in the V.N.I.T Campus along with detail cost estimated expenditure is given in Annexure-VI(A).

Total estimated cost for this work approximately:- Rs.60 lakh.

The summary of work to be carried out is as given below:

i) **Laying of HT Cable from Sub Station "C" to Substation "A"** As 800 KVA Transformer would replace 250KVA transformer thus raising the capacity. Existing HT cable has joints. To work with increased capacity, it is proposed to lay new HT cable from Sub Station "C" to Substation "A". Estimate expenditure for this work is Rs. 19 Lakh.

ii) **Erection and Commissioning of Indoor Transformer 800 KVA, 11KV/433 Volts at substation "A"**, electrical load of our VNIT campus, NBCC, IIM is increasing day by day. NBCC alone needs 250 KW for construction purpose. Hence the transformer at our Sub Station "A" is getting overloaded. Sanction demand for VNIT is 1000 kVA and in summer it increases to about 1150 kVA. In order to sustain the future load and avoid major breakdown, it is proposed to replace the existing one transformer of 250 kVA by 800 kVA. This existing 250KVA transformer will be installed at substation "B" as also the load on hostel side is increasing day by day. Estimate expenditure for this work is Rs. 30 Lakh.

iii) **Erection and Commissioning of Vacuum circuit breaker at Sub Station "B"**. 250KVA transformer proposed to be installed at substation "B" need additional VCB with accessories to be installed. Civil construction need to be modified for this purpose. Estimate expenditure for this work is Rs. 11 Lakh.

BWC is requested to approve.

**Resolution:** BWC approved the proposal.

**Action Taken:** The action is initiated from the institute and site for erection of the transformer is identified.

**BWC 39.09 Installation & Procurement of 100 KVA Diesel Generator & AMF panel for Network Centre.**

Network centre has many computer servers which are critical in nature. In order to provide continuous power supply 2 UPS (30 KVA) are installed and connected to essential loads of the server room. The batteries for UPS incur recurring expenditure of about 3 Lakhs (bi-annually). To avoid this recurring expenditure it is proposed to install one 100 KVA DG set with AMF panel to provide un-interrupted power supply to Network centre and essential load in nearby departments (Computer Science, Electronics & Communication). The expenditure on this account is Rs 13, 11, 118/-. The detailed cost estimated expenditure is given in Annexure-VI(B)

BWC is requested to approve.

**Resolution:** BWC approved the proposal.

**Action Taken:** The action is initiated from the institute and tender will be floated at the earliest.

**Resolution:** BWC has noted the action taken report with the observation that NBCC Ltd. should prepare the mock up room to be seen by BWC members.

*SPRath*

**BWC 40.03****To approve the tender for the work of Internal & External painting of various Staff Quarters at VNIT, Nagpur.**

As approved by the B & W Committee in its 39<sup>th</sup> meeting held on 3<sup>rd</sup> March 2016, tender notice was published on 23<sup>rd</sup> April 2016 in various newspapers and on website of the Institute. Invited tenders from registered Contractors of Maharashtra P.W.D/ Central P.W.D/ MJP/ MES/ P & T were opened on 10/05/2016. Estimated cost put to tender was Rs.35,21,540/-.

Highlights of the above work are:

- Whitewash
- Acrylic emulsion paint to walls
- Synthetic enamel paint
- External emulsion waterproof cement paint

Following tenders were received and trend was as under.

Name of Contractors	Amount quoted	Remarks
M/s. D.V. Patel & Co. Shankar Nagar, Nagpur	Rs. 29,26,500	16.90% Below
M/s. Farooque Shaikh M. Shaikh, Rambagh Road, Nagpur	Rs. 25,91,100	26.42% Below
M/s. Johny Construction, Khamla, Nagpur	Rs. 26,72,400	24.11% Below
M/s N. H. Construction Khamla, Nagpur	Rejected	Non submission of latest Income tax return
M/s Triveeni Constructions Ramdaspath, Nagpur	Rejected	Non submission of Registration Certi. & VAT clearance Certi.
M/S Northeast Construction, Kamptee, Nagpur	Rejected	Non submission of work done Certi. of required amount, Registration certi. & VAT Registration & Clearance
M/s S.D.Waghamashi, Somalwada, Nagpur	Rejected	Non submission of latest ITR, VAT registration & Clearance, work done certi of required amount.

The tender of M/s. Farooque Shaikh M. Shaikh, Rambagh Road, Nagpur was quoted the lowest considering the estimated cost of the work.

**Building and Works Committee is requested to approve the tender.**

**Resolution:** BWC approved the proposal.

*S. Prathe*



<b>BWC 40.04</b>	<p><b>To approve the tender for the work of Refurbishment of Kitchen of various Staff Quarters at VNIT, Nagpur.</b></p> <p>As approved by the B &amp; W Committee in its 39<sup>th</sup> meeting held on 3<sup>rd</sup> March 2016, tender notice was published on 23<sup>rd</sup> April 2016 in various newspapers and on website of the Institute. Invited tenders from registered Contractors of Maharashtra P.W.D/ Central P.W.D/ MJP/ MES/ P &amp; T were opened on 10/05/2016. Estimated cost put to tender was Rs. 35,33,867/-.</p> <p>Highlights of the above work are:</p> <ul style="list-style-type: none"><li>• Granite kitchen platform</li><li>• Aluminium sliding window &amp; grill</li><li>• Cupboard shutters</li><li>• Ceramic tile for dado &amp; floor of platform</li><li>• Stainless steel sink</li><li>• Plumbing fittings</li></ul> <p>Following tenders were received and trend was as under.</p> <table><tr><th>Name of Contractors</th><th>Amount quoted</th><th>Remarks</th></tr><tr><td>M/s. Sagar Construction, Laxmi Nagar, Nagpur</td><td>Rs. 33,09,427</td><td>06.35% Below</td></tr><tr><td>M/s. Farooque Shaikh M. Shaikh, Rambagh Road, Nagpur</td><td>Rs. 27,83,256</td><td>21.24% Below</td></tr><tr><td>M/s. B.P. Ukey, Giripeth, Nagpur</td><td>Rs. 32,02,935</td><td>09.36% Below</td></tr><tr><td>M/s N. H. Construction Khamla, Nagpur</td><td>Rejected</td><td>Non submission of latest Income tax return</td></tr></table> <p>The tender of M/s. Farooque Shaikh M. Shaikh, Rambagh Road, Nagpur was quoted the lowest considering the estimated cost of the work.</p> <p><b>Building and Works Committee is requested to approve the tender.</b></p>	Name of Contractors	Amount quoted	Remarks	M/s. Sagar Construction, Laxmi Nagar, Nagpur	Rs. 33,09,427	06.35% Below	M/s. Farooque Shaikh M. Shaikh, Rambagh Road, Nagpur	Rs. 27,83,256	21.24% Below	M/s. B.P. Ukey, Giripeth, Nagpur	Rs. 32,02,935	09.36% Below	M/s N. H. Construction Khamla, Nagpur	Rejected	Non submission of latest Income tax return
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<p><b>Resolution:</b> BWC approved the proposal.</p>																
<b>BWC 40.05(i)</b>	<p><b>To approve the detailed estimates of Internal &amp; external painting of H.B. No.1,4, 6-7 &amp; 8-9 at VNIT.</b></p> <p>The internal painting of Hostel Block No. 1,4, 6-7 &amp; 8-9 was carried out more than three years earlier. The wall surfaces and doors, grills, window surfaces looks very shabby and it is due for internal painting. As per maintenance norms, it is to be taken up after every three years.</p> <p>Secondly, external painting of Hostel Block No.6-7 &amp; 8-9 was carried out more than five years earlier. The external wall surface looks very shabby. It is therefore</p>															

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	<p>proposed to carry out internal &amp; external painting of above said Hostel Blocks.</p> <p>The detailed estimate is prepared on the basis of CSR of State PWD 2015-16 and placed at Annexure-II. The estimated cost of the above said work is Rs. 161.40 Lac.</p> <p><b>The Building and Works Committee is requested to approve the estimate.</b></p>
<b>BWC40.05(ii)</b>	<p><b>To approve the detailed estimates of Internal &amp; external painting of H.B. No. 3, 10, 10 extension, old &amp; extension Girls Hostel at VNIT.</b></p> <p>The internal painting of Hostel Block No. 3, 10, 10 extn, old &amp; extension Girls Hostel was carried out more than three years earlier. The wall surfaces and doors, grills, window surfaces look very shabby and it is due for internal painting. As per maintenance norms, it is to be taken up after every three years.</p> <p>Secondly, external painting of Hostel Block No.10, 10 extn, old girls Hostel was carried out more than five years earlier. The external wall surface looks very shabby. It is therefore proposed to carry out internal &amp; external painting of above said Hostel Blocks.</p> <p>The detailed estimate is prepared on the basis of CSR of State PWD 2015-16 and placed at Annexure-III. The estimated cost of the above said work is Rs. 99.32 Lac.</p> <p><b>The Building and Works Committee is requested to approve the estimate.</b></p>

**Resolution:** BWC approved the proposals.

**BWC 40.06 Any other item with the permission of Chair.**

**BWC 40.06 .01 To approve cost summary of furniture required for New Construction Buildings at VNIT NAGPUR.**

The cost summary of furniture as per the requirement submitted by Associate Dean(New Construction) for New Construction Buildings at VNIT NAGPUR amounting to Rs. 30,53,62,736.10 is enclosed(Annexure No IV).

The BWC is requested to approve.

**Resolution:** BWC recommended the proposal for its approval by finance committee and Board of Governors.

For furniture procurement the NBCC Ltd. should submit proposal along with terms and conditions to BWC for its approval.

The meeting concluded with the vote of thanks to the chair.

  
Chairman-BWC

