



**MINUTES OF 42ND MEETING FOR THE BUILDING AND WORKS
COMMITTEE HELD ON 1st March 2017 AT 3.00 PM.**

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.R R Jaiswal,PWD Representative(Civil) | - Member |
| 5. Mr. V P Markande,PWD Representative(Electrical) | - Member |
| 6. Dr. S.R. Sathe, Registrar, VNIT, Nagpur | - Member Secretary |

Shri Visramji Jamdar, Chairman BoG VNIT NAGPUR attended the meeting and graced the occasion by his valuable contribution.

Dr. Vijay Kale, Associate Dean (Electrical), Shri Shrawan Kumar Jr. Engineer (Electrical), Shri Atul Porey Jr. Engineer (New Construction) and the representatives from NBCC Ltd. and CPWD were present for the meeting.

The NBCC Ltd. representative gave presentation on progress of New Construction activity along with Solar installations to be carried out on terrace of these new buildings of VNIT, Nagpur. Director, VNIT, Nagpur apprised them to stick to the time line for construction activity. The funds will be released accordingly for smooth and in time construction completion.

CPWD officials gave presentation for ongoing progress of Class Room Complex Construction activity executed by CPWD. Director, VNIT, Nagpur apprised them to expedite the construction activity so that it will be available for use from next academic year.

BWC 42.01 To confirm the minutes of the 41st meeting of the Building and Works Committee conducted on 24th November 2016.

The minutes of the 41st meeting of the BWC are placed at (Annexure-1).

The BWC is requested to confirm.

Resolution: BWC has confirmed the minutes.

S.R. Sathe

BWC 42.02 Action Taken Report on the minutes of the 41st meeting of the BWC .

BWC 41.02	BWC has noted the action taken report with the observation that as per the resolution no 39.05, regarding setting up of sewage treatment plant M/s NBCC Ltd. should submit a detailed report for consideration in next BWC meeting.
Action Taken:	Regarding setting up of sewage treatment plant, M/s NBCC Ltd. has submitted a detailed report for consideration in 42nd BWC meeting.

BWC 41.03 Installation of Solar Panels and Units on VNIT buildings and pathways.

As per BWC item no. 39.04, BWC approved the Installation of Solar Panels and Units on VNIT buildings and pathways in principle (as per the table given below) with the suggestion to follow up the proposal depending on the availability of the funds.

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 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			

Hence, initially VNIT NAGPUR proposes to setup roof top Solar PV Power system on few buildings for generation of 335 KW power, the estimated cost of which is Rs. 184.25 Lacs.

It is proposed to set up roof top solar PV power system under CAPEX model. This Solar PV power system has to be procured by taking loan from bank and institute has to pay the EMI after availing subsidy. This EMI will get adjusted against the power consumption bill of the institute. Therefore, there will be no financial burden of capital expenditure as well as EMI. The details of the CAPEX proposal is enclosed in **Annexure-II**.

The BWC is requested recommend the proposal.

Resolution: Based on the presentation given by Dr.V.S.Kale, Associate Dean (Electrical Main.), BWC recommends the CAPEX proposal to Finance committee. It is also resolved that the detail technical report should be submitted to next BWC after discussion with Maharashtra State Electricity authorities.

Action Taken: The detailed technical report on "Installation of 513 kWp Solar Power Plant" at the institute and report on discussion with Maharashtra State Electricity authorities is attached as (**Annexure 2**).

BWC 41.04 To approve the tender for 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 1000 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 39th BWC.

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 1000 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".

ii) **Erection and Commissioning of Indoor Transformer 1000 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.

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.

As per the 39th BWC resolutions, the tender was floated and the following quotations are received.

VNIT Estimated cost- Rs.56, 99,939=00

Name of Contractors	Amount quoted	Remarks
M/s. V.R.Associates	Rs. 44,52,000	21.89% Below
M/s. SOM Electricals	Rs. 39,26,950	31.11% Below
M/s.YOGIRAJ POWERTECH PVT. LTD.	Rs. 57,65,127	1.14% Above

S.Rath

M/s. SOM Electricals has quoted the lowest(31.11% Below) considering the estimated cost of the work. Rates of certain items quoted by M/s Som Electrical are very low as compared to market rates of these items.

The Comparison of rates of these contractors are given in **Annexure-III**.

Building and Works Committee is requested to give directives.

Resolution: BWC approved the tender of M/s SOM Electricals being lowest. However, they should submit the undertaking regarding the quality of material to be supplied along with reputed makes of various items to be supplied. The quality of work should be assured and the transformer should be of 5 star specifications.

Action Taken: M/S Som Electricals expressed his inability to supply two of the items viz. 5 star rated transformer and Vacuum Circuit breaker at the quoted price. The scanned copy of the letter to this effect is attached herewith **(ANNEXURE-3)** for the perusal.

BWC 41.05 The Progress Report of New Construction-Class Room Complex Building work executed by CPWD.

The Progress Report of New Construction-Class Room Complex Building work executed by CPWD is given in **Annexure-IV**.

BWC is requested to note.

Resolution: The Progress Report of New Construction-Class Room Complex Building work executed by CPWD is noted. BWC suggested that the meeting of Contractor, CPWD and VNIT Officials be arranged for early completion of the construction activity executed through CPWD.

Action Taken: The meeting of CPWD, Contractor, and VNIT Officials was conducted and minutes of the meeting are enclosed in **(Annexure-4)**

BWC 41.06 The Progress Report of New Construction work executed by NBCC Ltd.

The Progress Report of New Construction works executed by NBCC is given in **Annexure-V**.

The new construction activities carried out by M/s NBCC Ltd are in full swing and smooth flow of funds are desired for timely execution of the said works.

BWC is requested to note.

Resolution: The Progress Report of New Construction works executed by NBCC Ltd. is noted. BWC resolved that the suggestion regarding the kitchen equipments be worked out in consultation of Dean(P & D).

Action Taken: The list of rejected kitchen equipment is attached in **(Annexure-5)**.

BWC 41.07 To recommend revised estimate of furniture required for New Construction Buildings at VNIT NAGPUR.

As per 40th BWC, item no 40.06 .01 ,the revised estimate of furniture required for New Construction Buildings at VNIT NAGPUR is enclosed in **Annexure-VI** the approximate cost is Rs.25 Crores.

BWC is requested to recommend.

Resolution: The BWC recommends to finance committee the revised estimate of furniture required for New Construction Buildings at VNIT NAGPUR. BWC also resolved that the agency charges be negotiated.

Action Taken: The Letter from NBCC Ltd. is enclosed **(Annexure-6)**.

BWC 41.08 Any other item with the permission of Chair.

BWC 41.08 .01 To recommend tentative cost estimates of additional items for new constructions executed by NBCC Ltd.

The NBCC Ltd. has submitted a letter requesting to approve tentative cost estimates of additional items for new constructions. **(Annexure-VII)**

BWC is requested to recommend.

Resolution: BWC recommends following cost estimates of additional items for new constructions.

- i) Ceramic Dado in Hostel Corridor(1.00 meter)- Rs. 27.46 lacs.
- ii) Wall mixture with under counter basin and two health faucet-Rs.17.00Lacs.
- iii)Service Lift in Boys Mega Mess- Rs.12.5 Lacs.

Action Taken: To submit for consideration in next FC.

SPScathe

Resolution: BWC has noted the action taken report with the following observations:

i) For item no. BWC 41.03, M/s Rays Power Expert Private Ltd., Jaipur has expressed his inability to execute the work under CAPEX model and hence BWC recommends to award turnkey work to M/s Solar Corporation of India for execution, subject to financial approval from FC and BoG.

ii) For item. no. BWC 41.04, BWC resolved that the M/s SOM Electricals should not be permitted to participate in future tendering process and his security deposit be forfeited. BWC also resolved that Associate Dean(Electrical) should invite second lowest bidder and seek his consent for doing the work.

iii) Dr.V.S.Kale, Associate Dean (Electrical Works) and Dr.Anirban Mandal Associate Dean(Civil) should liaison with CPWD for expediting the construction activity of CPWD-Class Room Complex.

BWC 42.03 To recommend DPR for sewage treatment plant.

As per the BWC item no 39.05, the work for preparation of DPR for sewage treatment plant has been given to NBCC Ltd. The DPR and along with the letter from NBCC Ltd. is enclosed(Annexure-7). The estimated for sewage treatment plant and laying of sewer line is Rs.7,74,79,741.

BWC is requested to approve DPR and recommend the cost of Rs.7,74,79,741 of sewage treatment plant and laying of sewer line to finance committee.

Resolution: BWC approved the DPR and recommends the construction of sewage treatment plant and laying of sewer line to finance committee at an estimated cost of Rs.7,74,79,741. BWC suggested that in first phase Sewage Treatment Plant work should be undertaken and subsequently laying and repairs of the existing sewage line work be carried out.

BWC 42.04 To approve essential additional requirement for Electrical and Mechanical Services at Class Room Complex, VNIT, Nagpur work being executed by CPWD.

The CPWD has submitted essential additional requirement for Electrical and Mechanical Services for Class Room Complex, VNIT, Nagpur (Annexure-8).

The Estimated cost is Rs.2,96,52,054/= including 3 % Contingencies for the above work including all additional items (Annexure-9). This fund requirement is within the essential cost of Class Room Complex.

BWC is requested to recommend the essential additional requirement for Electrical and Mechanical Services of Class Room Complex, VNIT, Nagpur to Finance Committee.

Resolution: BWC approved essential additional requirement for Electrical and Mechanical Services at Class Room Complex, VNIT, Nagpur. The fund requirement is well within the initially estimated cost of Class Room Complex, VNIT, Nagpur work being executed by CPWD and there is no escalation of the cost.

SPS at the

BWC 42.05 Any other item with the permission of Chair.

BWC 42.05.01 To approve additional security deposit for tender quoted below the estimated cost.

It has been observed that some of the tenderers are quoting rates much below the estimated cost. So it is proposed to seek additional security deposit in all such cases.

As per Maharashtra Govt.PWD norms, if the offer of the successful tenderer is 10% or more than 10% below the amount put to tender, then the successful tenderer whose tender is accepted will have to deposit additional security deposit amount equivalent to 5% of the amount put to tender contract price toward performance of work. This additional security deposit shall be deposited in form of FDR of schedule Bank having branches in Maharashtra duly pledged in the name of Director VNIT Nagpur. at the time of acceptance of tender.

This additional security deposit towards performance shall be valid for full period of completion of work including defect liability period. Failing which such tender shall be deemed to be withdrawn and their earnest money shall be forfeited. The additional security deposit shall be refunded within 30 days from the date of issue of satisfactory completion of defect liability period.

The BWC is requested to deliberate and approve.

Resolution:

BWC approved the additional security deposit that if the offer of the successful tenderer is 10% or more than 10% below the amount put to tender, then the successful tenderer whose tender is accepted will have to deposit additional security deposit amount equivalent to 5% of the amount put to tender contract price toward performance of work.

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



Chairman-BWC

