



C/BWC(57)/ 4588

Date: 13/01/2015

**CIRCULAR**

**SUB: Minutes of the 57<sup>th</sup> Meeting of the Building & Works Committee held on 08/01/2015.**

Enclosed please find a copy of the Minutes of the 57<sup>th</sup> meeting of the Building & Works Committee for Sardar Vallabhbhai National Institute of Technology, Surat held on 08/01/2015 in the Conference Room of the NIT, Transit House, A-1/267, Safdarjung Enclave, New Delhi for your information.

The comments, if any, may please be sent at the earliest.

Encl.: As above

  
13.01.2015.  
(H. A. PARMAR)  
MEMBER-SECRETARY

To,  
The Chairman, B & WC  
All concerned members of the B & WC

Copy f.w.c.s. for information:

Shri Sanjeev Kumar Sharma, Director (NITs), Govt. of India, MHRD (Deptt. of Secondary & Higher Education), Shastri Bhavan, New Delhi – 110 001



## **SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**

Minutes for the 57<sup>th</sup> meeting of the *Building & Works Committee* of the Sardar Vallabhbhai National Institute of Technology Surat held on *Thursday, the 8<sup>th</sup> January, 2015* at 10:30 a.m. onwards in the *Conference Room of the NIT, Transit House, A-1/267, Safdarjung Enclave, New Delhi.*

The following members remained present.

- |    |   |   |                  |
|----|---|---|------------------|
| 1) | <b>Dr. P.D. Porey</b><br>Director, SVNIT, Surat   | : | Chairman         |
| 2) | <b>Shri Rajesh Singh Solanki</b><br>Under Secretary, Rep. of TS-III<br>MHRD, New Delhi. | : | Member           |
| 3) | <b>Shri Satpal Sharma</b><br>Under Secretary, Rep. of Director (IFD)<br>MHRD, New Delhi | : | Member           |
| 4) | <b>Dr. N. J. Mistry</b><br>Professor, CED, SVNIT, Surat                                 | : | Member           |
| 5) | <b>Dr. S. A. Vasanwala</b><br>Dean (P&D), SVNIT, Surat.                                 | : | Member           |
| 6) | <b>Dr. Ranjit Roy</b><br>Prof. I/C. Elect. & Comm. System,<br>SVNIT, Surat.             | : | Special Invitee  |
| 7) | <b>Shri A. V. Deshingkar</b><br>Technical Advisor, Civil Works<br>SVNIT, Surat          | : | Special Invitee  |
| 8) | <b>Shri S.C. Shoemaker</b><br>Asstt. Engr. (SG-II),<br>SVNIT, Surat.                    | : | Special Invitee  |
| 9) | <b>Shri H. A. Parmar</b><br>Registrar, SVNIT, Surat.                                    | : | Member-Secretary |

Shri Rajesh Bhagwani, Executive Engineer, CPWD, Gandhinagar could not attend the meeting. Shri P.M. Choudhary, Supdt. Engr., R&B Circle, Surat could not attend the meeting due to his pre occupation and conveyed inability to attend the meeting.

At the outset the Member-Secretary welcomed the Chairman and members of B&WC especially Shri Rajesh Singh Solanki, Under Secretary, TS-III, MHRD, New Delhi, Shri Satpal Sharma, Under Secretary (IFD), MHRD, New Delhi and Shri A. V. Deshingkar, Technical Advisor, Civil Works, Surat for sparing their valuable time in spite of their busy schedule.

The following business was transacted:

**Item 1:** To confirm the minutes of the 56<sup>th</sup> meeting of the Building & Works Committee held on 18/10/2014.

**Reso.1:** “Resolved to confirm the minutes of the 56<sup>th</sup> meeting of the Building & Works Committee held on 18/10/2014.”

**Item 2:** To note and approve the action taken on the resolutions passed at the 56<sup>th</sup> meeting of the Building & Works Committee held on 18/10/2014.

**Reso.2:** “Resolved to note and approve the action taken on the resolutions passed at the 56<sup>th</sup> meeting of the Building & Works Committee held on 18/10/2014.”

**Item: 3** To consider the proposal of the estimate for the Water Proofing works of Old Guest House and Boiler Lab Building at SVNIT, Surat for the estimated cost of ₹17,64,000/-.

**Reso.3:** The committee discussed the matter at length. It has been observed that, the Prof. & Head, Mechanical Engineering Department has requested to apply the water proofing treatment at the terrace of extended portion of Boiler Laboratory to prevent leakage from terrace and walls, as well as, the terrace of old Guest House was also frequently leaking during monsoon season. It is necessary to add here that previously water proofing work was carried out for extended portion of Boiler Lab in 2007 and for old Guest House in 2008. In this regard, the estate personnel have visited the site & prepared the estimate which comes out to be ₹17,64,000/-, which was scrutinized by the institute level Technical Scrutiny Committee during the meeting on Dtd: 07/11/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the Water Proofing works of Old Guest House and Boiler Lab Building at SVNIT, Surat at the estimated cost of ₹17,64,000/- (APPENDIX: 3.1) by inviting open tender.”



**Item: 4**      **To consider the proposal of the estimate for the Development work at Backside of Student's Amenity Centre in SVNIT, Surat for the estimated cost of ₹8,16,800/-.**

**Reso.4:**      The committee discussed the matter at length. It has been observed that, the backside of Student Amenity Centre is required to develop with paver block work etc. for smooth passage around the building for maintenance/ cleaning work under Swachh Bharat Mission. In this regard, the estate personnel has visited the site and prepared the estimate which works out to be ₹8,16,800/-, which was scrutinized by the institute level Technical Scrutiny Committee during the meeting on Dtd: 25/11/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval.. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the Development work at Backside of Student's Amenity Centre in SVNIT, Surat for the estimated cost of ₹8,16,800/- (APPENDIX: 4.1) by inviting open tender.”

**Item: 5**      **To consider and discuss the status of work for constructing multipurpose space frame.**

**Reso.5:**      The committee discussed the matter at length. It was instructed by the institute authority, to the estate section to construct S. S. Space Frame with Polycarbonate Sheet during the 11<sup>th</sup> convocation function of the institute scheduled on 27/10/2013 as the authority wish to organise the next convocation function at institute itself. In this regard, the estate section has surveyed and suggested to construct double layer space grid of 304 grade S.S. with 6mm thick Polycarbonate Sheet in roofing portion. The area of work would be around 1360 sq.mt. The said matter was put up in 54<sup>th</sup> meeting of Building & Works Committee held on 10/02/2014 and after careful consideration of all relevant aspect, it was resolved vide Reso.: 11 that

*“Resolved to approve in principle the proposal for constructing the Multipurpose space frame for Institute consists of 304 Grade S.S. 75mm dia double layer grid with 6mm thick polycarbonate sheet in roofing portion and submit the complete detailed proposal alongwith estimate and planning including civil works in ensuing meeting of Building & Works Committee.”*

Accordingly, the Institute authority had asked M/s. NBCC, M/s. CPWD & M/s. Prasar Bharti to submit the concept / design for the said work. In response, M/s. Prasar Bharti has submitted the detailed proposal alongwith estimate and planning including civil works which is works out to be Rs.5.36 crores including departmental charges and contingencies for the cover area of 1360 sq.mt. whereas M/s. CPWD has intimated that there is no system of competition in CPWD for comparing with the other department. After thorough discussion in 55<sup>th</sup> meeting of Building & Works Committee held on Dt.15/05/2014 on it, it was resolved vide Reso. 8 that "Resolved to recommend to the Board to construct Multipurpose Space Frame and construction work be awarded to M/s. Prasar Bharti."

In action taken of this resolution, M/s. Prasar Bharti has published the tender notice as per own set procedure, and technical bid was opened in presence of SVNIT & Prasar Bharti officials on Dt. 27/08/2014. After verifying the received documents, price bid of qualified bidders were opened on same day. But somehow, the tender was recalled without opening of the financial bid. Hence, M/s. Prasar Bharti has re-invited the tender notice on dt.19/09/2014 and the opening of the bid scheduled to be held on 01/10/2014. After following own set procedure, M/s. Prasar Bharti has prepared the bid evaluation report and after duly scrutinized by Technical Advisor of SVNIT, it was placed before 56<sup>th</sup> meeting of Building & Works Committee held on 18/10/2014. In which, M/s. Shanti Structures Pvt. Ltd., Rajkot was recommended to award the said work at their quoted rate of 3.53% above the estimated cost of Rs.4,59,13,557/-. After thorough discussion on it, it was resolved vide Reso.: 6 that ;

*"Resolved to recommend to the Board to approve to award the work for constructing multipurpose space frame to M/s. Shanti Structures Pvt. Ltd., Rajkot at the cost of 3.53% above the estimated cost of Rs.4,59,13,557/- through M/s. Prasar Bharti".*

During noting the minutes in 37<sup>th</sup> meeting of BOG held on 27/10/2014, the Board has directed that the work of Constructing Multipurpose Space Frame be reviewed before awarding the work vide Reso.: 12.



Therefore, the institute authority has reviewed the structural details alongwith allied details supplied by the consultant of M/s. Prasar Bharti, and the review report was placed before the Committee for approval. After thorough discussion unanimously adopted following resolution(s);

“Resolved to approve to award the work for constructing multipurpose space frame to M/s. Shanti Structures Pvt. Ltd., Rajkot at the cost of 3.53% above the estimated cost of ₹4,59,13,557/- through M/s. Prasar Bharti (APPENDIX:5.1).”

“Resolved, further that same may be brought to the notice of the Board for kind information and noting as same has already been approved by the Board.”

**Item: 6**      **To consider and discuss the status of work of Construction of New Library Building in the SVNIT Campus, Surat.**

**Reso.6:**      The committee discussed the matter at length. It is observed that looking to the increase in Student’s intake and introduction of new PG Programmes there is a need to construct a new Library Building in line with IIT Chennai Library Building. The said matter was put up in 42<sup>nd</sup> meeting of Building & Works Committee held on 06/07/2011 and after thorough discussion on it, it was resolved vide Reso.: 15 that;

*“Resolved to defer the item and be placed with complete details in ensuing meeting of Building & Works Committee.”*

*“Further resolved that the outside agency be engaged for planning, designing, estimation etc. and appropriate consultancy charges be paid.”*

The said matter was also put up in 43<sup>rd</sup> meeting of Building & Works Committee held on 19/09/2011, and it was resolved vide Reso.: 8(14) that :

*“Resolved that the existing facility of library be reviewed and extension be planned as per students strength and be placed before the committee.”*

Meanwhile, the institute has decided to request to competent authority to consider for constructing a new Library building and existing one will be utilize for office of the Estate & Store as it is situated in central space. As well as, the library officials has submitted the area requirement for new library with requirement of different sections like Reading Room, Stack Room, Digital Library, Conference Room, etc. The Building & Works Committee was



requested to issue suitable advice / directives how to award the work and decide the agency to award the work in its 54<sup>th</sup> meeting held on 10/02/2014. After careful consideration of all relevant aspect, the committee adopted following resolution;

*“Resolved to approve the construction of new library building in principle and institute is directed to obtain preliminary planning with estimate from M/s. NBCC, M/s. Prasar Bharti and CPWD and if required, they may be called for presentation during ensuing meeting of Building & Works Committee.”*

Accordingly, the institute authority has asked M/s. NBCC Ltd., M/s. Prasar Bharti & M/s. CPWD to submit the preliminary planning with estimate as well as display the presentation in ensuing Building & Works Committee meeting. In response of this, M/s. NBCC Ltd. and M/s. Prasar Bharti has present the presentation in presence of Building & Works Committee members, where as M/s. CPWD has refused for any presentation as there is no system of competition in CPWD. After careful consideration of all relevant aspect, the committee adopted following resolution (s) ;

*“Resolved to recommend to the Board to construct New Library Building and the construction work be awarded to M/s. NBCC.”*

*“Resolved further that Old Library building will be utilize for the Estate & Store Section as it is situated in the Centre of the Campus.”*

Accordingly, M/s. NBCC Ltd., New Delhi has prepared the estimate of Rs.44.49 crores duly scrutinised by Technical Advisor of SVNIT, which is placed in 56<sup>th</sup> Building & Works Committee held on 18/10/2014 for approval. After thorough discussion on it, it was resolved vide Reso.: 7 that;

*“Resolved to recommend to the Board to approve the detail estimate of Rs.44.49 Crores inviting tenders for Construction of Central Library Building at SVNIT, Surat by M/s.NBCC Ltd., New Delhi”.*

In action taken of this resolution, M/s. NBCC Ltd. has published the tender notice as per the set procedure, and the technical bid opened in presence of SVNIT & NBCC officials on dt.16/12/2014. After verifying the received documents, price bid of qualified bidders opened on 05/01/2015. On that base, M/s. NBCC Ltd. has prepared bid evaluation report which was duly



scrutinised by Technical Advisor of the institute, in which M/s. NBCC Ltd. has recommended to award the said work to the lowest quoting agency i.e. M/s. Shanti Structures Pvt. Ltd. of Rajkot at their quoted cost of Rs.32,10,30,188.23 (excluding Contingencies, Agency charges, escalation etc.) which is placed in 57<sup>th</sup> meeting of Building & Works Committee for approval. After thorough discussion on it, it was resolved that;

“Resolved to recommend to the Board to approve the award of the Civil Works i.e. New Library Building at SVNIT, Surat to M/s. Shanti Structures Pvt. Ltd., Rajkot at 18.81% below the estimated cost of ₹39.54 Crores (i.e. ₹32.11Crores, with other terms and conditions agreed upon in MoU) through M/s. NBCC (APPENDIX:6.1).”

**Item:7**            **To consider and discuss the status of work of Construction of Residential Quarters in SVNIT Campus, Surat.**

**Reso.7:**        The committee has discussed the matter at length. It has been observed that the Building & Works Committee has resolved to award the Construction of Residential flats for staff (faculty / non-faculty) vide Reso.: 6 in its 29<sup>th</sup> meeting held on 27/09/2008 and Reso.: 12 in its 31<sup>st</sup> meeting held on 04/12/2008. On basis of rough estimate for construction of new residential building, the amount of ₹89.96 lacs was deposited towards preliminary estimate of ₹294.69 Crores for 400 nos. of 3BHK, & 2BHK quarters each & 100 nos. of 1BHK quarters and allied expenditure for construction of staff quarters in the campus to M/s. CPWD as resolved vide Reso.: 3 of 32<sup>nd</sup> meeting of Building & Works Committee held on 10/02/2009. After repeated communications and correspondences with the CPWD office, the progress on subject is very minimal / slow due to some constraints of CPWD side. Looking to the importance of this work, which is time bound as well as poor condition of existing quarters and the fund is required to utilize during financial year, the said matter was put up in 42<sup>nd</sup> meeting of Building & Works Committee held on dt.06/07/2011 and it was resolved that the progress of assigned work is very poor, hence matter be taken up with the ministry to consider the alternate arrangement for construction of Residential Building for the institute other than CPWD. Afterwards, the Building & Works Committee in its 43<sup>rd</sup> meeting held on 19/09/2011 has resolved vide Reso.: 8 (7, 8, & 9) to award the new civil projects like Residential Quarters and other academic



building on turnkey basis to Government agency M/s. National Building Construction Corporation Ltd., New Delhi in second phase. It was also resolved that two towers of faculty residence be awarded to M/s. National Building Construction Corporation Ltd., New Delhi. In action taken of this resolution, the proposal for the said work was also approved in principle by Building & Works Committee vide Reso.: 7 in its 46<sup>th</sup> meeting held on 04/03/2012. It was also resolved that during first phase 120 units of Type-II, 200 units of Type-V (B-(D-1)) and 80 units of Type-VI-A be constructed. As per the preliminary estimate duly scrutinized by Technical Advisor of the institute submitted by M/s. National Building Construction Corporation Ltd., New Delhi, the total cost of project in phase-I will works out to ₹312.15 which was put up in 51<sup>st</sup> meeting of Building & Works Committee held on 06/02/2013 and it was resolved vide Reso.: 10 that :

*"Resolved to recommended to the Board to consider and approve the preliminary estimate of ₹312.15 Crores (cost per sq. mt. of ₹35,082.00) for the new work of construction of Residential Quarters of Type-II [2BHK], Type-V (B-(D-1)) [3BHK] & Type-VI-A [4BHK] (phase-II) awarded to M/s. NBCC, New Delhi."*

*"Resolved, further that, the actual accommodation facilities available and future projected demand may also be made available to the Board."*

*It is also agreed in principle to recommend to construct 280 flats of various types in phased manner as per requirement.*

*"Resolved, further that the mobilization advance in prescribed ratio be released."*

In the meantime, CPWD officials were approached the institute officials and discuss the matter related to construction of proposed Residential accommodation and Library building in the SVNIT, Surat in series of meetings.

Keeping view on the above, the committee discussed the matter in detail that an advance of ₹89.96 lac has been released to CPWD during the year 2008-09, but till date no progress has been made by CPWD. Looking to the slow progress, Building & Works Committee has therefore resolved to award the construction of faculty accommodation to NBCC and has resolved to construct 280 units accommodation in first phase for which M/s. National Building

Construction Corporation Ltd., New Delhi has submitted detailed plan and rough estimate. The minutes of meeting with CPWD as well as detailed plans and rough estimate submitted by M/s. NBCC Ltd., New Delhi was put up in 54<sup>th</sup> meeting of Building & Works Committee held on 10/02/2014. After careful consideration of relevant aspect, the committee adopted following resolution(s) vide Reso.: 9 that;

*“Resolved to recommend to the Board to approve the overall preliminary planning alongwith required utilities prepared By M/s. NBCC for faculty and non-faculty accommodation with common amenities (APPENDIX: 9.1)”*

*“Resolved further to recommend to the Board to consider to construct 02 Nos. of Type-V (B-(D-1)) tower each of 40 flats with basement parking and the construction work be awarded each one to M/s. NBCC and Central Public Works Department (CPWD).”*

Accordingly, M/s. NBCC Ltd. of New Delhi has submitted the detailed estimate for 1 no. of Residential Tower consist of 40 flats with essential amenities works out to be ₹23.5 crores duly scrutinized by Technical Advisor of the institute as well as additional expenditure of ₹6.40 crores would be for R.C.C. road surrounding Academic, Hostels & Residential area (existing) which was put up in 55<sup>th</sup> meeting of Building & Works Committee held on 15/05/2014. The committee discussed the matter in detailed and after careful consideration of all relevant aspect, adopted following resolution vide Reso.: 6 that;

*“Resolved to recommended to the Board to construct two Nos. of Type-V tower each of 40 flats with basement parking and the construction work be awarded to M/s. NBCC at the estimated cost of ₹ 47.00 crores.”*

*“Resolved further to recommend to the Board to construct one No. of Type-IV tower of 40 flats with basement parking and the construction work be awarded to M/s. CPWD and detailed estimate for the same be placed before the Building & Works Committee in its ensuing meeting.”*

*“Resolved further to recommend to the Board to one No. of Type-II tower of 40 flats with basement parking and the construction work be awarded to M/s. Prasar Bharti and detailed estimate for the same be placed before the Building & Works Committee in its ensuing meeting.”*



“Resolved to recommend to the Board of Governors to approve additional expenditure of ₹ 6.40 crores for road surrounding Academic, Hostels & Residential area (existing) to M/s. NBCC, New Delhi.”

Accordingly, M/s. NBCC Ltd, New Delhi has published the tender notice as per the own set procedure, and the technical bid was opened in presence of SVNIT & NBCC officials on dt. 11/08/2014. After verifying the received documents, price bid of qualified bidders was opened on 14/08/2014. On that base, M/s. NBCC Ltd. has prepared the bid evaluation report which was duly scrutinised by A. V. Deshingker, Technical Advisor of the SVNIT, in which M/s. NBCC Ltd has recommended to award the said work to M/s. Classic Engineers of New Delhi at their quoted rate of 7.71% below the estimated rate for the total cost of ₹ 49,28,30,133/-. The said matter put up in 56<sup>th</sup> Building & Works Committee held on 18/10/2014 and after detailed discussion on it, it was resolved vide Reso.: 13 that;

*“Resolved to inform M/s. NBCC Ltd to re-invite the tender and ensure that BOQ amount and estimated cost put to tender be remain same”.*

In action taken of this resolution, M/s. NBCC Ltd., New Delhi has re-published the open tender notice for the said work, and after following the procedure, the technical bid was opened in presence of SVNIT & NBCC officials on 05/12/2014. After verifying the received documents, price bid of qualified bidders was opened on dt.26/12/2014. On that base, M/s. NBCC Ltd. has prepared bid evaluation report which was be duly scrutinised by Technical Advisor of the SVNIT, in which M/s. NBCC Ltd. has recommended to award the said work to the lowest quoting agency i.e. M/s. Shreeji Krupa Project Ltd. of Rajkot at their quoted cost of Rs.45,31,00,409.36 (excluding Contingencies, Agency charges, escalation etc.) which is put up in this meeting of Building & Works Committee for approval. After thorough discussion on it, it was resolved that;

“Resolved to recommend to the Board to approve the award of the Civil Works i.e. Residential Quarters at SVNIT, Surat to M/s. Shreeji Krupa Project Ltd. of Rajkot at 15.15% below the estimated cost of ₹53.40 Crores (i.e. ₹45.31 Crores, with other terms and conditions agreed upon in MoU) through M/s. NBCC (APPENDIX:7.1).”

**Item: 8** To consider and approve the recommendation of the tender committee to award the work of “External Colour work in Quarters Building in SVNIT, Surat”. Estimated Cost ₹25,76,410/-.

**Reso.8:** The committee has discussed the matter at length. It has been observed that, the external colour work of all staff quarters were previously carried out in the July 2008, as the frequency of application of colour work is every 3 years as per maintenance norms chapter – 3 Annexure – 23, Page no. 138 of Maintenance Manual of CPWD. In this context, the estate personnel have visited the site and prepared the estimate which works out to be ₹25,76,410/-. The said estimate was already approved by Building & Works Committee vide Reso: 4 in its 56<sup>th</sup> meeting held on 18/10/2014.

Accordingly, the tender were invited by putting the tender notice on institute website and also by insertion of press notice in dailies. The time limit for the said work was kept 5 months. On due date and time, 05 tenderers submitted their completed tender proposal in sealed cover.

On establishing compliance of the details in technical bid with the tender requirement, the said committee will look up the financial bid of 04 tenderers on dt.18/12/2014. As recommended by the tender opening committee, offer of M/s. Smit Buildcon Company of Surat at 41.34% below the estimated rate is recommended being the lowest one. As regards assessing the reasonability of offer, market rate analysis was carried out which shows that the said offer is 31.36% below the market rate analysis. It is necessary to add here that the institute has included the clause in the tender agreement regarding 100% amount of S. D. of exterior paints & interior paint work be refunded only after completion of 5 years & 3 years respectively from the date of final bill. Moreover, M/s. Smit Buildcon Company of Surat have been carrying out works for this institute for past few years and their performance is satisfactory. The said proposal was put up in this meeting for approval and after detailed discussion on it, and it was unanimously adopted following resolutions;

“Resolved to recommend to the Board to approve the award of the Civil Works i.e. “External Colour work in Quarters Building in SVNIT, Surat” to M/s. Smit Buildcon Company of Surat at 41.34% below the estimated cost of ₹25,76,410/- (APPENDIX:8.1).”



**Item:9** To consider and approve the recommendation of the tender committee to award the work of “ Supply, installation, testing & commissioning one number of 45KVA diesel generator set with alternator, acoustic enclosure canopy and automains failure panel for 45KVA 1nos with allied works for cabling, civil work for foundation with earthing at Central Computer Centre at SVNIT, Surat”. Estimated cost Rs. 9,35,630.00

**Reso.9:** The committee discussed the matter at length. It has been observed that the requirement of separation diesel generator set for running network servers for the LAN network as requested by Professor in charge, Central Computer Center to provide uninterrupted power supply. Accordingly, an estimate is prepared which is discussed and approved in 23<sup>rd</sup> meeting of the technical scrutiny committee for electrical works held on 11<sup>th</sup> August, 2014 at 4:00 p.m. in the office of Head, Electrical Engineering Department. The same was put for approval in 56<sup>th</sup> meeting of Building & Works committee held on 18/10/2014 and approved the same vide reso:8. Accordingly, the tender were invited by putting the tender notice on institute website as well as by insertion of press notice in dailies during the month of November-December 2014. The time limit for the said work was kept 06 months. On due date and time (Dt.11/12/2014 during office hours) 06 tenderers submitted their completed tender proposal in sealed covers. On establishing compliance of the details in technical bid with the tender requirement, the said committee look up the financial bid of 03 tenderers for opening on 16/12/2014. As per comparative statement, M/s. V R Power Equipments (P) Ltd. of Rajasthan has quoted 12.0% below the estimated cost of Rs.9,35,630/- and being a lowest one, the committee recommended to award the work to M/s. V R Power Equipments (P) Ltd. of Rajasthan which was put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the award of the work of “ Supply, installation, testing & commissioning one number of 45KVA diesel generator set with alternator, acoustic enclosure canopy and automains failure panel for 45KVA 1nos with allied works for cabling, civil work for foundation with earthing at Central Computer Centre at SVNIT, Surat to M/s. V R Power Equipments (P) Ltd. of Rajasthan at 12.00% below the estimated cost of ₹9,35,630.00 (APPENDIX:9.1).”

**Item:10** To consider and approve the recommendation of the tender committee to award the work of “Electrical supply provision to lighting load of extension of Physics, Chemistry and Mathematics and air-conditioned load supply of extension of Physics, Chemistry and Mathematics Department at SVNIT, Surat”. Estimated cost Rs.44,59,780.00

**Reso.10:** The committee discussed the matter at length. It has been observed that the construction work of Applied Physics, Applied Chemistry and Applied Mathematics are under progress. It is required to provide lighting load power supply and air-conditioned load power supply in near future. Accordingly, an estimate has been prepared and said proposal was discussed in 25<sup>th</sup> meeting of the technical scrutiny committee for electrical works held on Friday, 29<sup>th</sup> August, 2014 at 4:00 p.m. onward in the office of Head, Electrical Engineering Department. Subsequently, the said proposal was approved in 56<sup>th</sup> meeting of Building & Works committee held on 18/10/2014 vide Reso. No.:9. Accordingly, the tender were invited by putting the tender notice on institute website as well as by insertion of press notice in dailies during the month of November-December 2014. The time limit for the said work was kept 09 months. On due date and time (Dt.11/12/2014 during office hours) 09 tenderers submitted their completed tender proposal in sealed covers. On establishing compliance of the details in technical bid with the tender requirement, the said committee look up the financial bid of 08 tenderers for opening on 16/12/2014. As per comparative statement, M/s. L. L. Electricals of Rajkot has quoted 28.11% below the estimated cost of Rs.44,59,800/- and being a lowest one, the committee recommended to award the work to M/s. L. L. Electricals of Rajkot which was put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to recommend to the Board to approve the award of work of “Electrical supply provision to lighting load of extension of Physics, Chemistry and Mathematics and air-conditioned load supply of extension of Physics, Chemistry and Mathematics Department at SVNIT, Surat to M/s. L. L. Electricals of Rajkot at 28.11% below the estimated cost of ₹44,59,800/- (APPENDIX:10.1).”



**Item:11** To consider and approve the recommendation of the tender committee to award the work of “Separation of power supply of lighting and air-conditioned load from diesel generator set of existing civil engineering, workshop and applied mechanics department from Substation-5 at SVNIT, Surat”. Estimated cost Rs.60,43,429.00

**Reso.11:** The committee discussed the matter at length. It has been observed that the air-conditioner load of applied mechanics, civil engineering and workshop are supplied from diesel generator set from substation-1. It is required to isolate air-conditioned load from DG set. Moreover, in near future power supply of extension of electrical engineering, extension of chemical engineering, extension of mechanical engineering and new classroom complex will supplied from substation-1 which will overload the equipment connected with substation-1. The said proposal was discussed in 26<sup>th</sup> meeting of the technical scrutiny committee for electrical works held on Friday, 19<sup>th</sup> September, 2014 at 03:30 p.m. in the office of Head, Electrical Engineering Department. It is resolved by the committee to approve the estimate. The said proposal was approved in 56<sup>th</sup> meeting of Building & Works committee held on 18/10/2014 vide reso. No.:10. Accordingly, the tender were invited by putting the tender notice on institute website as well as by insertion of press notice in dailies during the month of November-December 2014. The time limit for the said work was kept 09 months. On due date and time (Dt.11/12/2014 during office hours) 09 tenderers submitted their completed tender proposal in sealed covers. On establishing compliance of the details in technical bid with the tender requirement, the said committee look up the financial bid of 08 tenderers for opening on 16/12/2014. As per comparative statement, M/s. Shree Sai Electrical & Instrumentation of Surat has quoted 30.03% below the estimated cost of Rs.60,43,429/- and being a lowest one, the committee recommended to award the work to M/s. Shree Sai Electrical & Instrumentation of Surat which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to recommend to the Board to approve the award of work of “Separation of power supply of lighting and air-conditioned load from diesel generator set of existing civil engineering, workshop and applied mechanics department from Substation-5 at SVNIT, Surat to M/s. Shree Sai Electrical & Instrumentation of Surat at 30.03% below the estimated cost of ₹60,43,429/- (APPENDIX:11.1).”

**Item:12** To consider the proposal of “Electrical supply provision of lighting load and air-conditioned load of extension of computer engineering, extension of production engineering, extension of MED workshop and extension of advance manufacturing lab at SVNIT, Surat”.

**Reso.12:** The committee discussed the matter at length. It has been observed that, the construction work of extension of computer engineering, extension of production engineering, extension of MED workshop and extension of advance manufacturing lab are under progress and likely to be completed in near future. It is required to provide power supply to lighting load and air-conditioned load from substation-5 which is nearer to the location. For that the Estate Section (Electrical) has prepared the estimate which was come out to be Rs.31,47,079/-. The said estimate was scrutinized by 30<sup>th</sup> Meeting of Technical Scrutiny Committee held on 18/12/2014 & resolved to approve the estimate for further process. The said proposal is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to recommend to the Board to approve the estimate for the work of “Electrical supply provision of lighting load and air-conditioned load of extension of computer engineering, extension of production engineering, extension of MED workshop and extension of advance manufacturing lab at SVNIT, Surat at the estimated cost of ₹31,47,079/- (**APPENDIX: 12.1**) by inviting open tender.”

**Item:13** To consider the proposal of “Electrical supply provision of lighting load and air-conditioned load of extension of mechanical engineering department, extension of fluid mechanics, extension of HMT lab and extension of IC Engine lab at SVNIT, Surat”.

**Reso.13:** The committee discussed the matter at length. It has been observed that, the construction work of extension of mechanical engineering department, extension of fluid mechanics, extension of HMT lab and extension of IC Engine lab are under progress and likely to be completed in near future. It is required to provide power supply to lighting load and air-conditioned load from substation-1 which is nearer to the location. For that the Estate Section (Electrical) has prepared the estimate which was come out to be Rs.28,25,324/-. The said estimate was submitted by 29<sup>th</sup> Meeting of Technical Scrutiny Committee held on 15/12/2014 & resolved to approve the estimate



for further process. The said proposal is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to recommend to the Board to approve the estimate for the work of “Electrical supply provision of lighting load and air-conditioned load of extension of mechanical engineering department, extension of fluid mechanics, extension of HMT lab and extension of IC Engine lab at SVNIT, Surat” at the estimated cost of ₹28,25,324/- (**APPENDIX: 13.1**) by inviting open tender.”

**Item from Chair**

**Item: 14**      **To consider the proposal of the estimate for the work of Construction of Under Ground Sump in Guest House at SVNIT, Surat for the estimated cost of ₹14,54,800/-.**

**Reso.14:**      The committee discussed the matter at length. It has been observed that, during the visit of old Guest House with Registrar, Dean, Planning & Development, etc., it was instructed to demolish the existing divider wall between new guest house lawn and old guest house lawn. Also instructed to shift the existing underground water sump (which is located at middle of old & new lawn) to explore the big area of lawn which will be utilized for various activities at guest house. In this regard, the estate personnel have visited the site & prepared the estimate which comes out to be ₹14,54,800/-. The said estimate is also scrutinized by the institute level technical scrutiny committee during the meeting on Dtd: 07/11/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of Construction of Under Ground Sump in Guest House at SVNIT, Surat at the estimated cost of ₹14,54,800/- (**APPENDIX: 14.1**) by inviting open tender.”

**Item: 15**      **To consider the proposal of the estimate for the work of Construction of Rain Water Pipe Drain near SAC Lab in SVNIT, Surat for the estimated cost of ₹19,21,000/-.**

**Reso.15:** The committee discussed the matter at length. It has been observed that, during the recent visit of Hon'ble Chairperson of the institute, it was instructed by the institute authority to convert the rain water drain with r.c.c. pipe in place of open drain near Student's Amenity Building to beautify the said area. In this regard, the estate personnel have visited the site & prepared the estimate which works out to be ₹19,21,000/-. The said estimate is also scrutinized by the institute level technical scrutiny committee during the meeting on Dtd: 19/12/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of Construction of Rain Water Pipe Drain near SAC Lab in SVNIT, Surat at the estimated cost of ₹19,21,000/- (**APPENDIX: 15.1**) by inviting open tender.”

**Item: 16** To consider the proposal of the estimate for the work of R.C.C. Road and Paver Block at Entrance of Activity Centre in SVNIT, Surat for the estimated cost of ₹17,96,500/-.

**Reso.16:** The committee discussed the matter at length. It has been observed that, The Prof. & Head, Physical Education Department has requested to renovate the entry of Student's Activity Centre to avoid the water accumulation in front of department and parking during monsoon season as well as to enhance the beauty of entry vide letter no. P.E./17/2014-15, Dt.16/06/2015. It has been observed that mosquito breeding as well as algae which makes parking very sleepery and dangerous. In this context, the estate personnel have visited the site & discussed with concerned officials accordingly prepared the estimate which works out to be ₹17,96,500/-. The said estimate is also scrutinized by the institute level technical scrutiny committee during the meeting on Dt.19/12/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of Construction R.C.C. Road and Paver Block at Entrance of Activity Centre in SVNIT, Surat at the estimated cost of ₹17,96,500/- (**APPENDIX: 16.1**) by inviting open tender.”



**Item: 17**      **To consider the proposal of the estimate for the Colour work of Staircase Passage of Quarter Building in SVNIT, Surat for the estimated cost of ₹6,48,450/-.**

**Reso.17:**      The committee discussed the matter at length. It has been observed that, during the routine visit of quarters, it has been observed that staircase portion of the various quarters building is required plaster patch work, polymer plaster, colour work to avoid any accident. The said portion was renovated before six years ago i.e. in 2008. Henceforth, as per the maintenance norms, it will be required to carry out the colour work at staircase passage of quarter building. For that, the estate personnel have visited the site & prepared the estimate which comes out to be ₹6,48,450/-. The said estimate is also scrutinized by the institute level technical scrutiny committee during the meeting on Dtd: 19/12/2014 and the committee members have also recommended the detailed proposal which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of Colour work of Staircase Passage of Quarter Building in SVNIT, Surat at the estimated cost of ₹6,48,450/- (**APPENDIX: 17.1**) by inviting open tender.”

**Item: 18**      **To consider and discuss the status of work i.e. Construction of Academic Block for Applied Physics, Applied Chemistry & Applied Maths & Management Department Building at SVNIT, Surat awarded to M/s. National Building Construction Corporation Limited, New Delhi.**

**Reso.18:**      The committee discussed the matter at length. It has been observed that, the MOU was signed between M/s. National Building Construction Corporation Limited, New Delhi and SVNIT, Surat for the Construction of civil work i.e. Class Room Complex, Academic Department Building (Applied Mathematics & Humanities Department and Applied Physics and Chemistry Department), Extension of Academic Buildings and Construction of Residential Quarters at SVNIT, Surat in second phase vide Reso: 8 of 44<sup>th</sup> meeting of Building & Works Committee held on 12/12/2011. During 44<sup>th</sup> meeting of Building & Works Committee held on 12/12/2011, the preliminary estimate of Rs.40.97 crores including agency charges, contingency, price escalation etc. for the above said work was already sanctioned vide Reso : 10. In this context, M/s. National Building Construction Corporation Limited, New Delhi has prepared

the BOQ for Construction of Academic Block for Applied Physics, Applied Chemistry, & Applied Maths. & Humanities Department Building and same was discussed in the 48<sup>th</sup> meeting of Building & Work Committee held on 07/08/2012 and it has been resolved vide Reso.: 12 to to approve the detailed estimate worked out based on DSR 2012 and Non DSR items aggregating to Rs.28.88 crore (excluding price escalation, contingency & agency charges etc.) for the said work. During the noting and approving the minutes / recommendations of the Building & Works Committee by the Board in its 30<sup>th</sup> meeting held on 05/10/2012, "it was instructed to review the Master Plan of Institute Campus, including extension of various Departments and new buildings for the Departments and it was also directed that the possibility of combining of newly proposed Departments be explored with due consideration to plinth to height proportions. The proposed extension of above proposed departments may also be reviewed anticipating the demolition of aging structure of the department in future. Accordingly, final layout plan be placed before the Board for consideration and approval in its ensuing meeting".

In this context, M/s. National Building Construction Corporation Limited. has prepared the option – I & II and same was placed before the Board in its 31<sup>st</sup> meeting held on 05/12/2012 and the Board has adopted following resolution;

*"Resolved to approve proposed extension of Electronics, Chemical & Electrical Engineering Departments for approximate built up area of 7050 sqmt., 5548 sqmt. & 8326 sqmt. respectively, at the estimated cost of Rs.52.50 crores (excluding price escalation, contingency & agency charges etc.)".*

*"Further, resolved to approve the proposed construction of new buildings for Departments of Applied Physics (built up area of 2814 sqmt.) & Applied Chemistry with built up area of 3874 sqmt. and Applied Maths & Humanities with built up area of 4050 sqmt. Opposite of existing Institute Canteen premises (proposed new extension of academic zone – i.e. Option – I) at the estimated cost of Rs.28.88 crores (excluding price escalation, contingency & agency charges etc.)".*

In persuasion to above resolution, the institute has given the consent to initiate further action to invite the tenders. Accordingly, M/s. NBCC Ltd, New Delhi invited the e-tenders from NBCC prequalified eligible contractors for construction of Applied Physics, Applied Chemistry & Applied Mathes & Humanities Department Building. After following the set own procedure, M/s. NBCC Ltd., has recommended to award the work under reference to the first



lowest tenderer M/s. Classic Engineers of New Delhi at their lowest quoted rate of Rs.27,53,86,352.32 against the estimated cost of Rs.28,59,37,444.00 which comes out to be 15.0 % below with respect to the market rate analysis, which was put up in 51<sup>st</sup> meeting of Building & Works Committee held on 06/02/2013 for approval. After thorough discussion on it, it was resolved vide Reso.; 3 that;

*“Resolved to recommend to the Board to approve the award of the Civil Works i.e. Construction of Academic Block for Applied Physics, Applied Chemistry & Applied Maths. & Humanities Department Building at SVNIT, Surat to M/s. Classic Engineers of New Delhi at 3.69% below the estimated cost of Rs.28,59,37,444.00 (i.e. Rs.27,53,86,352.32) through M/s. National Building Construction Corporation Limited, New Delhi being a lowest tenderer”.*

In action taken of this resolution, M/s. NBCC Ltd., New Delhi has awarded the said work to the lowest quoting agency M/s. Classic Engineers of New Delhi and work is at final stage. Meanwhile, during the site visit of faculties of Chemistry Department alongwith NBCC officials and Estate officials on 20/11/2014, various issues pertaining to finishing of Chemistry block has been discussed like requirement of granite platform, and rack, Bigger size exhaust fans, smoke detector, fire extinguisher, AC point with AC, bib cock, projector point with projectors, CC TV points, false ceiling, etc. looking to the safety and full function of various labs as narrated in minutes of meeting. In this context, M/s. NBCC Ltd. has submitted the detailed estimate of Rs.2.65 crores. The committee discussed the matter in detailed and after careful consideration of all relevant aspect, the committee adopted following resolution (s);

The Committee feels appropriate to create facilities and construct a building of Applied Chemistry Department (New Building) at par with laboratories of Institute of National repute considering the preventive hazards and safety and also to improve ambience of the laboratory and new building under construction. Hence, additional items required to be approved, the Committee unanimously adopted following resolutions(s);

“Resolved to recommend to the Board to approve to carry out additional work items like Fire extinguisher, Exhaust Fans, False ceiling, granite platform, A.C., Electrical Items etc. in the Applied Chemistry Department (New Building) amounting to ₹2.65 Corers as additional sanction by ongoing agency through M/S NBCC (APPENDIX:18.1).”

**Item: 19**      **To consider and approve the estimate for the work of Construction of Compound Wall at SVNIT Guest House at SVNIT, Surat submitted by M/s. NBCC Ltd..**

**Reso.19:**      The committee discussed the matter at length. It has been observed that, during the recent visit of Hon'ble Chairperson of the institute, it was instructed by the institute authority to demolish the existing stage to explore the big area of lawn which will be utilised for various activities of the institute. During demolition of this stage backside compound wall is open towards central school, which creates security and privacy problem. The Guest House Incharge has also requested to take urgent action in this regard, for security point of view and privacy of guest, as well as to prevent the entry of unauthorised persons and misuse of guest house premises vide letter no. nil, Dt.13/12/2014. Looking to the urgent nature of work, the institute authority has instructed to carry out the said work through M/s. NBCC Ltd. In this regard, M/s. NBCC Ltd. has submitted the estimate which comes out to be Rs.30.30 lacs (including agency charges etc.) which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee discussed that the M/s NBCC Ltd. is ready to execute the proposed work at approved item rate. Therefore, the Committee feels appropriate to award the work to M/s Classic Engineers of New Delhi through M/s NBCC at the total cost of Rs.30.30 lacs and adopted following resolution;

“Resolved to recommend to the Board to approve the additional work of Construction of Compound Wall at SVNIT Guest House at SVNIT, Surat to M/s Classic Engineers of New Delhi through M/s NBCC at the estimated cost of ₹30.30 lacs (including agency charges etc.) with other terms and conditions stated in MoU signed between SVNIT and M/s NBCC, New Delhi (APPENDIX: 19.1)”

**Item 20:**      **To consider the proposal of “Annual operation and maintenance contract of diesel generator sets at SVNIT, Surat.” Estimated cost Rs.34,10,388/-**

**Reso.20:**      The committee discussed the matter at length. It has been observed that, annual maintenance contract for DG set at SVNIT, Surat will be expired on 24/02/2015. The estimate for the new Annual Maintenance Contract is prepared and the proposal was discussed in 32<sup>nd</sup> meeting of the technical scrutiny committee for Electrical Works held on 24<sup>th</sup> December, 2014 in the office of Head, Electrical Engineering Department. The addition in the estimate compared with last year are as follows:



- I) One junior site engineer is added to look after the operation and maintenance of diesel generator set installed at various locations at SVNIT, Surat.
- II) The defect liability period of one number Cummins make DG set is over which is added in the estimate.
- III) There is increase in wages of skilled and highly skilled man power compared with last year as per notification of Ministry of Labour, Govt. of India.

It is resolved by the technical scrutiny committee to approve the estimate of Rs.34,10,388/- and forward it for further process during 32<sup>nd</sup> meeting held on 24/12/2014 which is put up in this meeting for approval. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of “Annual operation and maintenance contract of diesel generator sets at SVNIT, Surat.” at the estimated cost of ₹34,10,388/- (**APPENDIX: 20.1**) by inviting open tender.”

**Item 21:** To consider the proposal of “Electrical Installation of air-conditioner and other electrical accessories at Advanced Research Centre for Civil Engineering Department at SVNIT, Surat..” Estimated cost ₹46,54,320/-

**Reso.21:** The committee discussed the matter at length. It has been observed that, the letter received from the Professor & Head, Civil Engineering Department and Applied Mechanics Department regarding additional electrical works at Advanced Research Centre for Civil Engineering vide letter No.: CED/Estate/2847/2013-14 dtd.:10/02/2014. Later on, an additional requirement for split type air-conditioner was received from Head, Civil Engineering Department for Advanced Hydraulic Laboratory vide letter No.: CED/PLP/2829/2014-15 dtd.: 07/10/2014. On receipt of requirements, a joint visit with both Head of the department alongwith faculty members, site visit was carried out on 16/09/2014. Based on this visit, the final requirement was finalized and an estimate was prepared which was put for approval in 31<sup>st</sup> meeting of the technical scrutiny committee held on 23<sup>rd</sup> December, 2014 in the office of Head, Electrical Engineering Department.

The committee member has approved the requirement of lighting, ceiling fan, wan, fan, exhaust fan and other accessories required at Advance Research Centre for Civil Engineering.

Further, the committee has suggested to optimize the requirement of air-conditioner from the Prof. & Head, Civil Engineering and Applied Mechanics Department and to review the basic requirement of air-conditioner in next meeting.

Accordingly, the basic requirement of air-conditioner as suggested by the committee in the 31<sup>st</sup> meeting are included and put up for discussion in 32<sup>nd</sup> meeting the technical scrutiny for electrical works held on 24<sup>th</sup> December, 2014 in the office of Head, Electrical Engineering Department.

It is resolved by the committee to install 64nos. of air-conditioner as basic requirement for Advance Research Centre for Civil Engineering and remaining requirement may be taken up after taking optimized requirement from both Head of the Departments.

Finally, it was resolved by the committee to approve the estimate of Rs.46,54,320/- for 64nos. A.C.s and suggested to forward the proposal for further process which is put up in this meeting. After careful consideration of all relevant aspect, the committee adopted following resolution;

“Resolved to approve the estimate for the work of “Electrical Installation of air-conditioner and other electrical accessories at Advanced Research Centre for Civil Engineering Department at SVNIT, Surat.” at the estimated cost of ₹46,54,320/- (APPENDIX: 21.1) by inviting open tender.”

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

  
**(H.A. PARMAR)**  
**MEMBER SECRETARY**  
**BUILDING & WORKS**  
**COMMITTEE**

  
**(Dr. P.D. POREY)**  
**CHAIRMAN**  
**BUILDING & WORKS**  
**COMMITTEE**