



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

Minutes for the 23rd Building & Works Committee, National Institute of Technology, Rourkela to be held at 09.30 A.M. on 19.11.2014 (Wednesday) in the Board Room of the Institute.

Members Present:

1. Prof. Sunil Kr. Sarangi, ... Chairman
Director, NIT, Rourkela.
2. Shri Vinod Kr Shrivastava, ... Member
DGM, Refrigeration & Air Conditioning,
RSP, SAIL, Rourkela.
3. Prof. S.K. Patra, ... Member
Professor, Dept. of Elect. & Comm. Engg.,
NIT, Rourkela.
4. Prof. C.R. Patra, ... Member
Professor, Dept. of Civil Engg.,
NIT, Rourkela.
5. Er. S.K. Upadhyay, ... Member Secretary
Registrar, NIT, Rourkela.

Members Absent:

1. Mr. Amarjit Sinha, ... Member
Addl. Secretary, Dept. of Higher Education,
MHRD, New Delhi- 110 015
2. Shri Ajaya Kr. Nayak, ... Member
DGM, Civil Engineering,
Town Engineering Department, RSP, SAIL, Rourkela

Invitees Present:

1. Prof. Sanjeeb Mohanty, ... Invitee
Professor, Elect. Engg., NIT Rourkela.
2. Prof. K. C. Biswal, ... Invitee
Professor, Civil Engg., NIT., Rourkela.
3. Dr. A.K. Panda, ... Invitee
Visiting Professor, Civil Engg., NIT Rourkela.
4. Prof. A.K. Sahoo, ... Invitee
Visiting Professor, Civil Engg., NIT, Rourkela.
5. Mr. Y.K. Sahu, ... Invitee
Visiting Professor, Elect. Engg., NIT, Rourkela.
6. Mr. S. P. Mohapatra, ... Invitee
Executive Engineer (CM), Estate, NIT Rourkela.

Invitees Absent:

1. Sri. D. Tripathy, ... Invitee
Executive Engineer, PWD, Uditnagar, Rourkela.
2. Prof. Sarat Kr. Das, ... Invitee
Professor, Civil Engg., NIT Rourkela.

Leave of absence was approved for all members absent.

A) GENERAL AND PROCEDURAL MATTERS.

BWC:23 (2014)-01: Welcome to the members by the Chairman.

BWC:23 (2014)-02: Confirmation of the minutes of the 22nd Meeting of the BWC held on 06.08.2014.

The minutes of the 22nd Meeting were sent to the members vide letter No. NITR/2014/BWC-22/517, Dt. 01.09.2014. No comments were received from the members.

The BWC confirm the minutes.

BWC:23 (2014)-03: To report on the action taken on the decisions made in the 22nd Meeting of BWC held on 06.08.2014 and to discuss matters arising out of the minutes.

The report on the action taken on the decisions made in the 22nd Meeting of the BWC held on 06.08.2014 is presented for BWC's consideration.

BWC noted the above.

[Annexure-A1, Page No.18-24]

B) REVIEW OF ONGOING PROJECTS:

BWC:23 (2014)-04: Review of ongoing Civil Projects.

A report on the progress of ongoing Civil Projects is enclosed for perusal of the Committee.

All the ongoing Civil projects were reviewed.

- i. Director advised to put up a comprehensive proposal regarding fund requirement for the financial year 2014-15 in the coming Finance Committee meeting.*
- ii. Director advised that vendors with creditability may be considered for starting a departmental store inside the campus. He advised that no outsiders will be allowed for shopping inside the campus.*
- iii. Director advised Dean(PD) to submit a proposal for addition of another dining hall in the institute Guest House South Block.*
- iv. Emergency power supply to the Health Centre to be restored.*

[Annexure-A2, Page No.25-29]

BWC:23 (2014)-05: Review of ongoing Electrical Projects.

A report on the progress of ongoing Electrical Projects is enclosed for perusal of the Committee.

All the ongoing Civil projects were reviewed.

Director advised Dean(PD) to put up a comprehensive proposal for segregation of domestic load involving metering system. The proposal should be sent to MD, WESCO, Burla immediately.

Dean(PD) was advised to implement the following.

- i. Cleanliness of all substations must be maintained,*
- ii. proper sticker must be put in all out going feeders.*

- iii. Checker plates should be put on all the holes.
- iv. Dressing of all cables must be properly done.
- v. Regular monitoring should be done at some interval in all un-manned substations.

[Annexure-A3, Page No.30-36]

C) ADMINISTRATIVE PROPOSAL FOR NEW PROJECTS – PART-'A':

BWC:23 (2014)-06: PROPOSAL FOR NEW PROJECTS:

1. Fresh Air Ventilation system for Gymnasium at Swimming Pool, Dinning Hall in CV Raman Hall, Homi Bhaba Hall and Rajendra Mishra Exhibition Hall.

Earlier, the BWC in its meeting held on 13.12.2013 (BWC: 20(2013)-06) (copy enclosed) has given administrative approval for provision of Fresh Air Ventilation System for Dinning Hall of the following Hostels:

- i. Vikram Srarabhai Hall
- ii. G.D Birla & VS Hall of Residence
- iii. D Ambani & Swaminathan Hall of Residence

Presently, the work is in progress in the above Halls. Now, it is felt to provide Fresh Air Ventilation System in the Dining Halls of CV Raman Hall, Homi Bhaba Hall, Rajendra Mishra Exhibition Hall and Gymnasium of Swimming Pool.

The estimated cost works out to about Rs.60 Lakhs.

The BWC approved the proposal.

[Annexure-A4, Page No. 37]

2. Development works in front of Electrical Science Building.

The newly constructed Electrical Science Building is presently in use. It is felt necessary to carry out some development works in front of this building such as parking facility for two wheeler and cars, drainage in the area etc. A sketch showing the parking areas (copy enclosed)

This will cost about Rs.11.0 Lakhs.

The BWC approved the proposal.

[Annexure-A5, Page No.38-39]

D) APPROVAL OF BOQ AND ESTIMATE FOR TENDERING NEW PROJECT- [PART-'B']:

BWC:23 (2014)-07: PROPOSAL FOR APPROVAL OF BOQ AND ESTIMATE FOR TENDERING FOR NEW PROJECT :

1. Development works in the courtyard behind Metallurgy Department and other Miscellaneous Works.

The work on extension block of Metallurgy Department linking South and Central Wing of the main building has been completed and in use.

However, it is observed that in the courtyard behind the Metallurgy Department, there is a temporary shed, earlier operating as work shop and now shifted to new building, is no longer required. This need to be

dismantled and the area inside should be developed for parking. A sketch showing the same is enclosed. Further, corridor connection is to be done from the new portion of the building to the Metallurgy Department on the 1st floor and Chemistry Department on the 2nd floor respectively. This will be cost about Rs.24.55 Lakhs. Detailed estimate is enclosed

The BWC approved the proposal.

[Annexure-A6, Page No.40-43]

E. APPROVAL OF TENDER FOR AWARD OF WORK [PART-‘C’]:

BWC:23 (2014)-08: REPORT ON AWARD OF WORKS TO CONTRACTORS.

1. Appointment of Architect for Important Buildings.

The BOG vide resolution No-BOG-40(2014)-05 dt. 09.05.2014, has approved the proposal to take up the following important works (copy enclosed):

- I. Planning & Architecture Department
- II. 120 Seated Married Hostel
- III. Construction of Boundary Wall and Building for NIT, Rourkela Extension Centre at Bhubaneswar

In addition to the above buildings, earlier, the BOG vide resolution No-BOG-38(2014)-05 dt. 17.01.2014 has approved to take up renovation of Existing Academic Building (old) on priority (copy enclosed).

The following twelve Architects (Architects qualified for Major Project (Phase III) + those worked with NIT, Rourkela) were informed to submit the conceptual Design for the four buildings as mentioned above by 04.08.2014.

- | | | |
|---|---|---------------------------------------|
| <ol style="list-style-type: none">i. M/s Jay Ambe Ground Designers (P) Ltd, Ahmedabadii. M/s Arch-en Design, Lucknowiii. ENARCH Consultant (P) Ltd, Noida
Suresh Goel & Associates, New Delhiiv. M/s Development Architect (P) Ltd, Kolkatavi. M/s DDF Consultants (P) Ltd, New Delhivii. M/s Mukesh Associates, Salem | } | Qualified for M/s Major (Phase III) |
| <ol style="list-style-type: none">viii. M/s Bose Brother Architects, Kolkataix. M/s Inform Architects, Bangalorex. M/s Vastukar, Bhubaneswarxi. M/s Space Arch, Bhubaneswarxii. M/s Design Techno, Bhubaneswar | } | Architects worked with the Institute. |

In response to the above, the following six firms submitted their Conceptual Design on 04.08.2014.

- i. M/s Development Architects Pvt Ltd., Kolkata
- ii. M/s Mukesh Associates., Salem
- iii. M/s Arch-en Design, Lucknow
- iv. M/s Inform Architects, Bangalore
- v. M/s Space Arch, Bhubaneswar
- vi. M/s Design Techno, Bhubaneswar

Offer of another firm, M/s Jay Ambe Ground Designers (P) Ltd was received on 07.08.2014 (Late Bid), which has been considered for competitive bidding.

All the above mentioned firms applied separately for each of the four buildings except M/s Design Techno who have applied for 3 buildings (i.e. except Renovation & Upgradation of Existing Buildings).

The representatives of the following firms reported at Rourkela on 16.08.2014 and gave their presentation on the Conceptual Design, for the above mentioned buildings:

- i. M/s Development Architects Pvt Ltd., Kolkata
- ii. M/s Mukesh Associates., Salem
- iii. M/s Arch-en Design, Lucknow
- iv. M/s Inform Architects, Bangalore
- v. M/s Space Arch, Bhubaneswar
- vi. M/s Design Techno, Bhubaneswar
- vii. M/s Jay Ambe Ground Designers (P) Ltd

The other firms did not turn up for presentation.

At the outset, the participating Architects were apprised of the selection procedure to be adopted, following the guidelines of Govt. of India under combined quality cum cost based system (CQCCBS).

Further, they were informed on the following:

- i) **Schedule of Payment** (stage wise): The participants were requested to submit their price bids in terms of percentage of the project cost for each building they would like to be considered. A copy of the schedule of payment was handed over to each participant.
- ii) Weighted marks for quality and cost shall be 70% and 30% respectively.
- iii) The qualifying mark for opening of the price bid fixed as 50 out of 100 for quality. Price bids to be opened for top three firms qualified for each buildings.

The above mentioned firms gave their presentation separately for each building in the presence of the above mentioned members.

The members of the Committee deliberated on the presentation made by the architectural firms stated above and scrutinized the Concept design/ drawings submitted by them.

The committee after deliberation on the quality of Conceptual design/ drawings submitted and presentation done by the above mentioned firms for the proposed buildings, gave marks for quality in a process of collective decision making for four buildings (3 new buildings + 1

renovation). The top three firms qualified for each building are as given below whose price bids were opened:

A. Planning & Architecture Department

- i. M/s Inform Architects, Bangalore
- ii. M/s Arch-en Design, Lucknow
- iii. M/s Design Techno, Bhubaneswar

B. Married Student Hostel

- i. M/s Inform Architects, Bangalore
- ii. M/s Arch-en Design, Lucknow
- iii. M/s Mukesh Associates., Salem

C. Rourkela Extension Center of Bhubaneswar

- i. M/s Inform Architects, Bangalore
- ii. M/s Arch-en Design, Lucknow
- iii. M/s Mukesh Associates., Salem

D. Renovation & Upgradation of Existing (old) buildings

- i. M/s Inform Architects, Bangalore
- ii. M/s Arch-en Design, Lucknow
- iii. M/s Mukesh Associates., Salem

Before opening the price bids, all the representatives of the Architectural firms were informed about the marks secured by their firms in respect of quality for each building.

Then the price bids were opened building wise and the marks were evaluated towards price and then the total marks, taking into consideration weightage factors. The building wise comparative statement for quality-cum-cost is enclosed.

The position of H1 tenderers with their quoted price are as given below:

Sl. No.	Name of Buildings	Name of H1 Tenderer	Quoted Price
1	Planning & Architecture Department	M/s Inform Architects, Bangalore	2.15 %
2	Married Student Hostel	M/s Inform Architects, Bangalore	2.0 %
3	NIT, Rourkela Extension Center at Bhubaneswar	M/s Inform Architects, Bangalore	2.20 %
4	Renovation & Upgradation of Existing (old) buildings	M/s Inform Architects, Bangalore	3.0 %

Considering the above, the members of the committee felt to lower the fees quoted by H1 Tenderers for all the buildings for which they have become H1.

The member of the committee called the representatives of the H1 tenderer and requested him to lower their rates. After prolonged

discussion, they agreed to revise their rates in respect of the buildings as indicated below:

Sl. No.	Name of Buildings	Name of H1 Tenderer	Revised Fees
1	Planning & Architecture Department	M/s Inform Architects, Bangalore	2.15 %
2	Married Student Hostel	M/s Inform Architects, Bangalore	1.90 %
3	NIT, Rourkela Extension Center at Bhubaneswar	M/s Inform Architects, Bangalore	2.20 %
4	Renovation & Upgradation of Existing (old) buildings	M/s Inform Architects, Bangalore	2.90 %

Considering the above, the members of the committee recommended to award the comprehensive Architectural Services to M/s Inform Architects, Bangalore for all four buildings at the agreed fees as detailed above.

The BWC approved the proposal.

[Annexure-A7, Page No.44-47]

2. Construction of (i) Planning & Architecture Department (ii) Married Student Hostel (iii) Bhubaneswar Extension Centre (iv) Renovation and upgradation of Existing Buildings (old).

During the BOG meeting held on 26.09.2014 it was proposed by NIT that the two buildings: Planning & Architecture Department Building and the Married Student's Hostel (120 nos) are small structures compared to the present running contract with M/s Shapoorji Pallonji for Major Project (Phase II) works and are also of the same nature. As such, the cost involved for these two buildings can be accommodated within the safe margin of the estimate of the ongoing work plus permissible deviation. To this, the BOG advised NIT to obtain the opinion of CPWD on the subject. Accordingly, the Superintending Engineer, CPWD at Bhubaneswar was contacted vide our letter no NITR/RG/2014/L566 dt 2.10.2014 (copy enclosed). However, SE, CPWD vide letter No. 23(Misc) CE(EZ-V)/CPWD/2014/4180 (11) dated. 03.11.2014 conveyed the following.

“However, new works which are not within scope of the existing agreement, the practice/procedure is not to entrust new works to existing agency who is executing the agreement to avoid any financial, legal and contractual complication and undue benefit to the contractor.”

Considering the above, it is proposed that NIT may follow normal procedure for tendering instead of awarding the work to M/s Shapoorji Pallonji.

The BWC noted the above.

[Annexure-A8, Page No.48-49]

3. Appointment of Consultant for Providing Acoustic Solution for Auditorium / Lecture Halls, Dining Halls of Hostels etc.

The above mentioned buildings are already completed and in use. But it is observed that there is acoustic problem in these areas to a great extent and hence require treatment. Earlier, the BWC in its 22nd Meeting,

held on 06.08.2014 has approved the proposal for appointment of a consultant for the same (copy enclosed).

Accordingly, open tenders were invited through open advertisement in newspaper and NIT website.

In response to the Tender Notice, the following firms have submitted their offers in two parts (Techno Commercial Bid and Price Bid)

- M/s Subramanian Associates, Chennai
- M/s Sonics, Bangalore
- M/s Rahul Associates, Rourkela
- M/s Mukesh Associates, Salem

The techno commercial bids were opened and it was felt to prepare a Technical Comparative Statement indicating their organization, experience, turnover during last 3 year etc. It was also decided to call all the firms to Rourkela for a presentation on the works executed by them on 04.09.2014. Accordingly, they were informed.

The representatives of the following three firms reported at Rourkela for presentation.

- M/s Subramanian Associates, Chennai
- M/s Sonics, Bangalore
- M/s Rahul Associates, Rourkela

Before the presentations, all the representatives of the firms were informed on the following:

- The consultancy works for TIIR Building dropped.
- The selection will be done on quality cum cost basis with weightage factors 0.7 and 0.3 respectively.
- If they wish, they may revise their price bids.

Before the presentation, all the documents submitted by the firms were verified with respect to originals by the members of the committee. The firms also submitted some additional documents.

Then the representative of the three firms gave their presentation.

Since verification of the documents submitted by the firms could not be completed on this day, it was decided to postpone the date of opening of the price bids as evaluation of quality is linked with the data submitted by the firms.

After verification of the documents submitted by the firms, Technical Comparative statement was updated.

The members of the committee went through the comparative statement and other documents and gave marks for quality.

The committee observed that M/s Rahul Associates are not qualified for the works as they do not fulfill the eligibility criteria. The other firms (i.e. M/s Subramanian Associates & M/s Sonics) are found qualified for the above work.

Accordingly, the qualified firms (i.e. M/s Subramanian Associates & M/s Sonics) were informed about the opening of the price bids scheduled on 16.09.2014 and to send their representative to Rourkela to be present at the time of price bid opening.

The price bids were opened on 16.09.2014 and since none of the representatives of the firms were present, they were informed telephonically about the result. It is observed that M/s Sonics have become L1 at a value of Rs. 7.25 Lakhs. Further, they had given certain conditions for payment such as payment of 50% advance, Payment Schedule, Project Time Schedule etc. which were felt not reasonable.

Considering all the above, M/s Sonics were informed telephonically to reduce their fee, and revise their Payments Schedule, Project Time Schedule etc and intimate the committee at the earliest.

The members of the committee went through the letter received from M/s Sonics, Bangalore indicating revised reduced offer of Rs. 7, 10,500.00, revised payment schedule, revised project time schedule etc. and all these are found reasonable.

The members of the committee recommended to award the work to M/s Sonics at a lumpsum value of Rs. 7, 10,500.00 (Rupees Seven lakh Ten Thousand Five Hundred only).

The BWC approved the proposal.

[Annexure-A9, Page No.50]

4. Providing False Ceiling (Bulkhead type) to conceal Existing Indoor AC Units of South & North Guest House.

Earlier, the BWC in its 22nd Meeting held on 06.08.2014, approved the administrative proposal of extension of the above work (copy enclosed).

Accordingly, tenders are invited from NIT registered civil contractors of category A, B, C & D who have executed similar works, in two parts (EMD, and price bid)

In response to the Tender Notice for the above work, the following three firms have submitted their offers:

- M/s Rourkela Fabrication
- M/s A.K. Mohanty
- M/s Indian Project Associates

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s Rourkela Fabrication have become L₁ at a quoted price of (+) 2.00% above the estimated rates of Rs. 654000.00.

The Tender Committee recommended to award the work to M/s Rourkela Fabrication at a price of 2% above the estimate (i.e. Rs. 667080.00)

The BWC approved the proposal.

[Annexure-A10, Page No.51]

5. Finalization of the Rate Contract (Civil) 2014-15.

The present NIT Rate Contract (Civil) is valid up to 31.10.2014. In the meantime, action has been initiated to update the Rate Contract. A duly constituted committee has already scrutinized the basic rates of materials collected from the local market and analysis of the rates for

various items is being done based on the approved materials rates, prevailing labour rates and followings CPWD norms. However, this will take some more time for finalization. ***In the meanwhile, the committee has recommended to extend the validity of the present Rate Contract up to 31st March, 2015.***

The BWC noted the above.

6. Construction of Kabbadi court (2 nos), Volleys ball court (2 nos), Basket Ball court (2 nos), Foundation of Missile / Jet, and painting for PT Usha Sports Complex.

It is felt necessary to construct Kabbadi court (2 nos) volleys ball court (2 nos), Basket Ball court (2 nos), Foundation of Missile / jet, and painting for PT Usha Sports Complex

Accordingly, tenders are invited from NIT registered civil contractors, in two parts (EMD, and price bid)

In response to the Tender Notice for the above work, the following four firms have submitted their offers:

- M/s P C Mohanty
- M/s Eastern Infrastructure
- M/s Indian Project Associates
- M/s Bijay Construction

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s P C Mohanty have become L₁ at a quoted price of (-) 15.00% below the estimated rates of Rs. 2287150.00.

The Tender Committee recommended to award the work to M/s P C Mohanty at a price of 15% below the estimate (i.e. Rs. 1930583.00).

The BWC approved the proposal.

7. Name board and other miscellaneous work in CV Raman Hall.

It is felt necessary to construct Name board and other miscellaneous work in CV Raman Hall

Accordingly, tenders are invited from NIT registered civil contractors, in three parts (EMD, Techno-commercial and price bid)

In response to the Tender Notice for the above work, the following three firms have submitted their offers:

- M/s Sudarsana Dash
- M/s S K Dash
- M/s Adarsh Enterprises

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s Adarsh Enterprises have become L₁ at a quoted price of (-) 08.10% below the estimated rates of Rs. 1072215.00.

The Tender Committee recommended to award the work to M/s Adarsh Enterprises at a price of 08.10% below the estimate (i.e. Rs. 985366.00).

The BWC approved the proposal.

8. Construction of Night Canteen Kiosk for CV Raman Hall, VS Hall and HB Hall.

It is felt necessary to construct Night Canteen Kiosks for CV Raman Hall, VS Hall and HB Hall.

Accordingly, tenders are invited from NIT registered civil contractors, in three parts (EMD, Techno-commercial and price bid)

In response to the Tender Notice for the above work, the following three firms have submitted their offers:

- M/s Predeep Patra
- M/s S K Dash
- M/s Sudarsana Dash

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s Predeep Patra have become L₁ at a quoted price of (-) 08.05% below the estimated rates of Rs. 909195.00.

The Tender Committee recommended to award the work to M/s Predeep Patra at a price of 08.05% below the estimate (i.e. Rs. 831913.00).

The BWC approved the proposal.

9. Acoustic False Ceiling and Paneling at Language Lab in Lecture Hall Complex.

It is felt necessary to provide acoustic false ceiling and paneling at Language Lab in Lecture Hall Complex.

Accordingly, tenders are invited from NIT registered civil contractors, in two parts (EMD, and price bid)

In response to the Tender Notice for the above work, the following four firms have submitted their offers:

- M/s Eastern Infrastructure
- M/s Indian Project Associates
- M/s A K Mohanty
- M/s Rourkela Fabrication

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s A K Mohanty have become L₁ at a quoted price of (-) 04.80% below the estimated rates of Rs. 2349760.00.

The Tender Committee recommended to award the work to M/s A K Mohanty at a price of 04.80% below the estimate (i.e. Rs. 2462548.00).

The BWC approved the proposal.

10. Renovation of Planning and Architecture Department.

It has been decided to open a new department i.e. Planning and Architecture Department in the old High Voltage Laboratory Building.

Therefore, it is required to renovate this building so that it can function as Planning and Architecture Department at present.

Accordingly, tenders are invited from NIT registered civil contractors, in two parts (EMD, and price bid)

In response to the Tender Notice for the above work, the following seven firms have submitted their offers:

- M/s Eastern Infrastructure
- M/s Indian Project Associates
- M/s A K Mohanty
- M/s S K Mohanty
- M/s Bijay Construction
- M/s P C Mohanty
- M/s Parija Construction

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s A K Mohanty have become L₁ at a quoted price of (-) 18.10% below the estimated rates of Rs. 2106401.00.

The Tender Committee recommended to award the work to M/s A K Mohanty at a price of 18.10% below the estimate (i.e. Rs. 1725142.42)

The BWC approved the proposal.

11. Hot water supply to MV Hall Bathroom.

It is felt necessary to supply hot water to MV Hall Bathrooms.

Accordingly, tenders are invited from NIT registered civil contractors, in two parts (EMD, and price bid)

In response to the Tender Notice for the above work, the following four firms have submitted their offers:

- M/s Predeep Patra
- M/s Indian Project Associates
- M/s Sudarsana Dash
- M/s Bijay Construction

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s Predeep Patra have become L₁ at a quoted price of (-) 12.05% below the estimated rates of Rs. 1386410.00.

The Tender Committee recommended to award the work to M/s Predeep Patra at a price of 12.05% below the estimate (i.e. Rs. 1213109.00).

The BWC approved the proposal.

12. Provision of parking in between Ceramic and Mining Engineering Department and dismantling the existing cycle shed.

Earlier, BWC: 21(2014)-08 dt 19.03.2014, has accorded administrative approval for the above work.

Accordingly, tenders are invited from NIT registered civil contractors, in three parts (EMD, Techno commercial and price bid)

In response to the Tender Notice for the above work, the following four firms have submitted their offers:

- M/s S K Das
- M/s Sudarsana Dash
- M/s Jena Construction
- M/s Sikandar Alam

The members of the Committee opened the envelopes containing the EMDs and found that they have submitted required amount towards EMD.

Then the price bids of the above mentioned firms were opened. It is observed that M/s Jena Construction have become L₁ at a quoted price of (-) 6.10% below the estimated rates of Rs. 862703.00.

The Tender Committee recommended to award the work to M/s Jena Construction at a price of 6.10% below the estimate (i.e. Rs. 810078.00).

The BWC approved the proposal.

F. DEVIATION AND EXTRA ITEMS FOR VARIOUS WORKS [PART-'D']:

BWC:23 (2014)-09: Proposal for approval of Deviation and extra items for various works:

1. Deviation for “Linking South and Central block of academic Building Eastern side” (Agency- M/s Sakuntala Enterprises)

The deviation statement for Linking south and Central block of academic Building Eastern side is given in the Annexure. The work order for the above work was awarded to M/s Sakuntala Enterprises vide Work Order No NITR/PW/WO/CT/04/13-14/04 (Amendment), Dated-08/04/2013 for a value of Rs 65,69,279.00

During the course of execution, there has been some deviation in the quantity indicated in the Bill of Quantities as per contract. However, the overall deviation amounts to (+) 2.76%.

The BWC approved the proposal.

[Annexure-A11, Page No. 52-66]

2. Deviation for “Provision of floor tile in the Rajendra Mishra Exhibition Hall”(Agency- M/s P.K. Rout)

The deviation statement for Provision of floor tile in the Rajendra Mishra Exhibition Hall is given in the Annexure. The work order for the above work was awarded to M/s P.K. Rout vide Work Order No NITR/PW/WO/CT/18/14-15/19, Dated-21/07/2014 for a value of Rs 23,55,609.00.

During the course of execution, there has been some deviation in the quantity indicated in the Bill of Quantities as per contract. However, the overall deviation amounts to (+) 2.84%.

The BWC approved the proposal.

[Annexure-A12, Page No.67-68]

3. Deviation for “Water Supply & Periphery Development of 0.18 MLD & fixing of MS jali for D Ambani & GD Birla Hall” (Agency- M/s Sudarshan Dash)

The deviation statement for Water Supply & Periphery Development of 0.18 MLD & fixing of MS jali for D Ambani & GD Birla Hall is given in the Annexure. The work order for the above work was awarded to M/s Sudarshan Dash vide Work Order No NITR/PW/WO/CT/23/13-14/25, Dated-25/06/2013 for a value of Rs 14,60,027.00

During the course of execution, there has been some deviation in the quantity indicated in the Bill of Quantities as per contract. However, the overall deviation amounts to (+) 9.11%.

The BWC approved the proposal.

[Annexure-A13, Page No.69-72]

4. Deviation for “Construction of New Road and Widening of existing Roads” (Agency-M/s Jitendra Prasad).

The deviation statement for Construction of New Road and Widening of existing Roads is given in the Annexure. The work order for the above work was awarded to M/s Jitendra Prasad vide Work Order No. NITR/PW/WO/CT/21/13-14/22, Dated-17/06/2013 for a value of Rs 4,64,59,114.00.

During the course of execution, there has been some deviation in the quantity indicated in the Bill of Quantities as per contract. However, the overall deviation amounts to (+) 8.47%.

The BWC approved the proposal.

[Annexure-A14, Page No.73-84]

5. Deviation for “Provision of Interlocking tile in the parking area between CS & Lecture Gallery and Mechanical building to Central Workshop” (Agency-M/s Rourkela fabrication)

The deviation statement for Provision of Interlocking tile in the parking area between CS & Lecture Gallery and Mechanical building to Central Workshop is given in the Annexure. The work order for the above work was awarded to M/s Rourkela fabrication vide Work Order No.NITR/PW/WO/CT/62/13-14/63, Dated-20/01/2014 for a value of Rs 15,74,922.00.

During the course of execution, there has been some deviation in the quantity indicated in the Bill of Quantities as per contract. However, the overall deviation amounts to (+) 10.82%.

The BWC approved the proposal.

[Annexure-A15, Page No.85-87]

BWC:23 (2014)-10: Any other item with the permission of the Chair.

1) Installation of Water Softening Plant for Central AC System.

Soft water is required for make-up of losses in condenser cooling water circuit and chilled water circuit of central air conditioning system. In order to provide soft water for on-going Central AC Project, it is proposed to install one Water Softening Plant of 10CuM/Hr capacity near AC plant. The estimated cost will be Rs.15 Lakhs(approx.).

The BWC approved the proposal.

2) Installation of Heat Exchanger for Central AC System.

In order to gainfully utilize waste heat from condenser cooling system of Central AC Plant for warming up swimming pool water, one Heat Exchanger along with a pump will be installed near swimming Pool. The estimated cost will be Rs. 50 lakhs (approx.).

The BWC approved the proposal.

3) Implementation of barrier- free environment in the buildings

Based on the Judgment of Supreme Court of India dated 26.03.2014 in WP (Civil) No. 116 of 1998 – Justice Sunanda Bhandare Foundation V/s Union of India & Anr. And MHRD letter no. F.No.21-82/2014-TS.II dated 03.11.2014, BWC discussed barrier –free environment in the buildings, which would include provision of ramps, rails, lifts, adaptation of toilets for wheelchair users, brail signages and auditory signals, tactile flooring etc to PwDs as envisaged in the PwD Act.

The proposal given by Dean(PD) which was forwarded to Ministry of Social Justice was discussed.

Preference order	Description of Proposed buildings	Number of buildings	Estimated Cost in (Lakhs rupees)
1	Lift for Academic Buildings (≥ 3 floors)	10	446.52
2	Ramp in selected Academic Buildings	3	219.00
3	Lift for Academic Buildings ($=2$ floors)	5	134.85
4	Lift for Hostel Buildings	10	460.52

In addition to above, the estimated cost for website development for PwDs is Rs.24 lakhs. Total financial involvement = Rs.12,84,89,000=00 (Twelve Crore Eight Four Lakhs and Eighty Nine Thousand Rupees)

It will be prudent to take up the job in phases, the first phase being limited to 3 ramps and 15 lifts in the academic area and website creation for PwDs with an overall investment of Rs.8,24,37,000 (Eight Crores Twenty Four Lakhs and thirty Seven thousand Rupees only) and 10 lifts in hostel area costing Rs.4,60,52,000 (Four Crores Sixty Lakhs and Fifty Two Thousand Rupees) in second phase. It was decided to send the proposal to MHRD for necessary action.

Further it was decided that the lift provided near the main entrance (Bhubaneswar Behera statue) is nearly 8 years old and is giving problem frequently for which PwD students are suffering. Though the repair work has been carried out and AMC was awarded, availability of the lift for use is very poor. In view of the above, it was decided to shift the lift to less important area such as MN/CR/CH Dept etc. Instead, a new lift of OTIS make will be procured for the main entrance since other lifts of the institute are of OTIS make.

[Annexure-A16, Page No.88-115]

(S. K. Upadhyay)
Registrar & Secretary
Building & Works Committee

(S. K. Sarangi)
Director & Chairman
Building & Works Committee